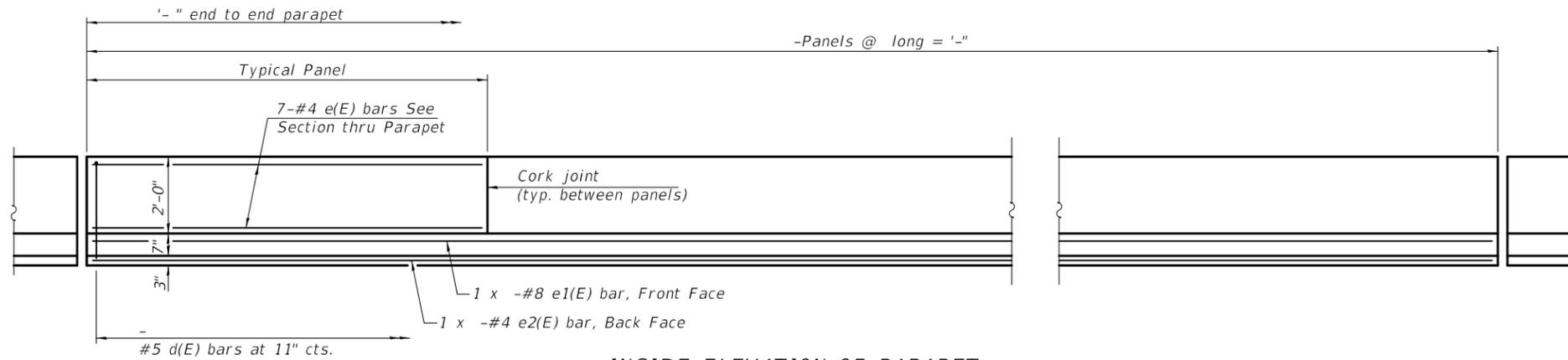


CELL / MODEL NAME	DESCRIPTION	DATE
SDE-BT6372-1	Superstructure Details; Expansion; Bulb T-Beam 63-72 inch beam depth; Single span	2/17/2017
SDE-BT6372-2	Superstructure Details; Expansion; Bulb T-Beam 63-72 inch beam depth; Multi-span	2/17/2017
SDE-I3642-1	Superstructure Details; Expansion; I-Beam 36-42 inch beam depth; Single span	2/17/2017
SDE-I3642-2	Superstructure Details; Expansion; I-Beam 36-42 inch beam depth; Multi-span	2/17/2017
SDE-I4854-1	Superstructure Details; Expansion; I-Beam 48-54 inch beam depth; Single span	2/17/2017
SDE-I4854-2	Superstructure Details; Expansion; I-Beam 48-54 inch beam depth; Multi-span	2/17/2017
SDE-IL27-1	Superstructure Details; Expansion; IL 27 inch beam depth; Single span	2/17/2017
SDE-IL27-2	Superstructure Details; Expansion; IL 27 inch beam depth; Multi-span	2/17/2017
SDE-IL36-1	Superstructure Details; Expansion; IL 36 inch beam depth; Single span	2/17/2017
SDE-IL36-2	Superstructure Details; Expansion; IL 36 inch beam depth; Multi-span	2/17/2017
SDE-IL36N-1	Superstructure Details; Expansion; IL 36 inch beam depth narrow top; Single span	2/17/2017
SDE-IL36N-2	Superstructure Details; Expansion; IL 36 inch beam depth narrow top; Multi-span	2/17/2017
SDE-IL4554-1	Superstructure Details; Expansion; IL 45-54 inch beam depth; Single span	2/17/2017
SDE-IL4554-2	Superstructure Details; Expansion; IL 4554 inch beam depth; Multi-span	2/17/2017
SDE-IL4554N-1	Superstructure Details; Expansion; IL 45-54 inch beam depth narrow top; Single span	2/17/2017
SDE-IL4554N-2	Superstructure Details; Expansion; IL 45-54 inch beam depth narrow top; Multi-span	2/17/2017

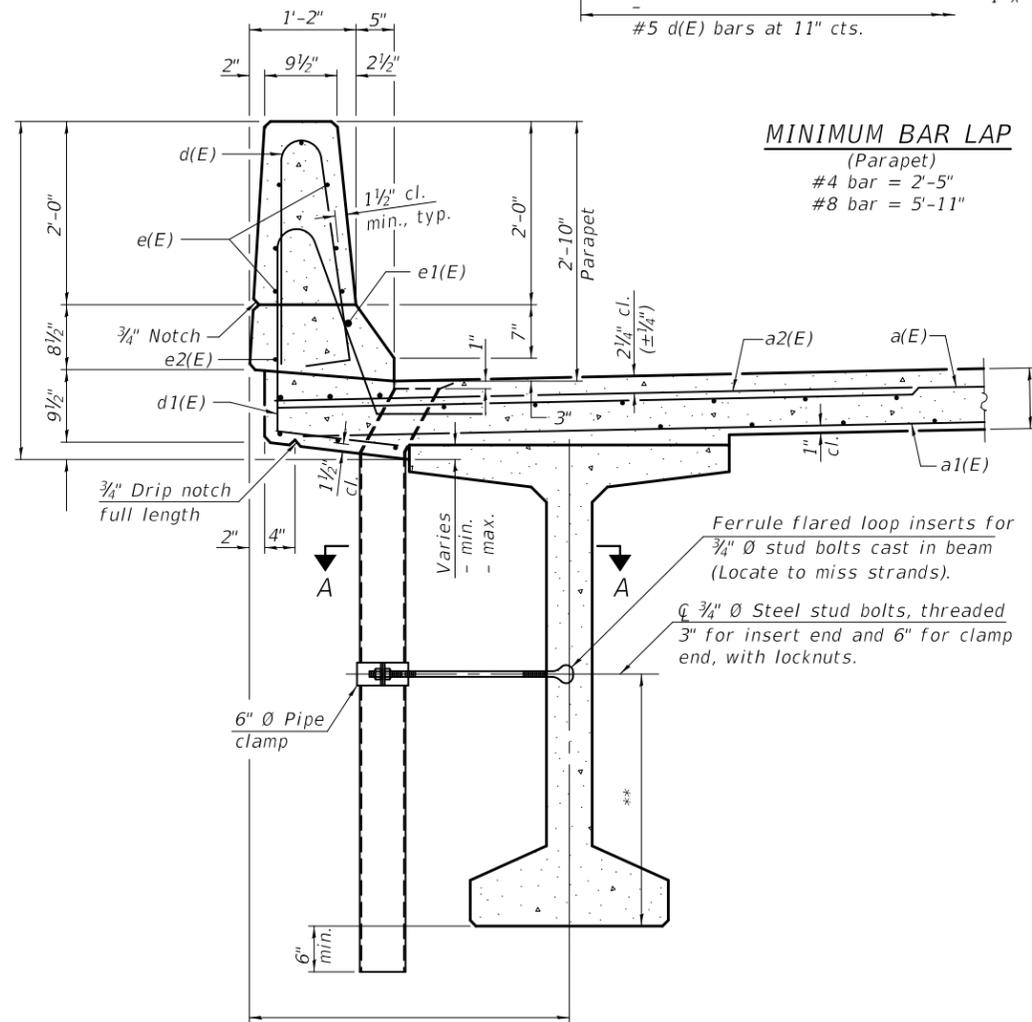
CELL / MODEL NAME	DESCRIPTION	DATE
SDE-IL6372-1	Superstructure Details; Expansion; IL 63-72 inch beam depth; Single span	2/17/2017
SDE-IL6372-2	Superstructure Details; Expansion; IL 63-72 inch beam depth; Multi-span	2/17/2017
SDE-IL6372N-1	Superstructure Details; Expansion; IL 63-72 inch beam depth narrow top; Single span	2/17/2017
SDE-IL6372N-2	Superstructure Details; Expansion; IL 63-72 inch beam depth narrow top; Multi-span	2/17/2017
SE-BT6372-1-0	Superstructure; Expansion; Bulb T-Beam 63-72; Single span; No skew	2/17/2017
SE-BT6372-1-L-Greater than 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Single span; Left skew; Greater than 30 degrees	2/17/2017
SE-BT6372-1-L-Less than or equal to 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Single span; Left skew; Less than or equal to 30 degrees	2/17/2017
SE-BT6372-1-R-Greater than 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Single span; Right skew > 30 degrees	2/17/2017
SE-BT6372-1-R-Less than or equal to 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Single span; Right skew; Less than or equal to 30 degrees	2/17/2017
SE-BT6372-2-0	Superstructure; Expansion; Bulb T-Beam 63-72; Multi-span; No skew	2/17/2017
SE-BT6372-2-L-Greater than 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Multi-span; Left skew > 30 degrees	2/17/2017
SE-BT6372-2-L-Less than or equal to 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SE-BT6372-2-R-Greater than 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Multi-span; Right skew > 30 degrees	2/17/2017
SE-BT6372-2-R-Less than or equal to 30 degrees	Superstructure; Expansion; Bulb T-Beam 63-72; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017
SE-I3654-1-0	Superstructure; Expansion; I-Beam 36-54; Single span; No skew	2/17/2017
SE-I3654-1-L-Greater than 30 degrees	Superstructure; Expansion; I-Beam 36-54; Single span; Left Skew; Greater than 30 degrees	2/17/2017

CELL / MODEL NAME	DESCRIPTION	DATE
SE-I3654-1-L-Less than or equal to 30 degrees	Superstructure; Expansion; I-Beam 36-54; Single span; Left Skew; Less than or equal to 30 degrees	2/17/2017
SE-I3654-1-R-Greater than 30 degrees	Superstructure; Expansion; I-Beam 36-54; Single span; Right Skew; Greater than 30 degrees	2/17/2017
SE-I3654-1-R-Less than or equal to 30 degrees	Superstructure; Expansion; I-Beam 36-54; Single span; Right Skew; Less than or equal to 30 degrees	2/17/2017
SE-I3654-2-0	Superstructure; Expansion; I-Beam 36-54; Multi-span; No skew	2/17/2017
SE-I3654-2-L-Greater than 30 degrees	Superstructure; Expansion; I-Beam 36-54; Multi-span; Left skew; Greater than 30 degrees	2/17/2017
SE-I3654-2-L-Less than or equal to 30 degrees	Superstructure; Expansion; I-Beam 36-54; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SE-I3654-2-R-Greater than 30 degrees	Superstructure; Expansion; I-Beam 36-54; Multi-span; Right skew; Greater than 30 degrees	2/17/2017
SE-I3654-2-R-Less than or equal to 30 degrees	Superstructure; Expansion; I-Beam 36-54; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017
SE-IL2772N-1-0	Superstructure; Expansion; IL 27-72; Single span; No skew	2/17/2017
SE-IL2772N-1-L-Greater than 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Single span; Left Skew; Greater than 30 degrees	2/17/2017
SE-IL2772N-1-L-Less than or equal to 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Single span; Left Skew; Less than or equal to 30 degrees	2/17/2017
SE-IL2772N-1-R-Greater than 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Single span; Right Skew; Greater than 30 degrees	2/17/2017
SE-IL2772N-1-R-Less than or equal to 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Single span; Right Skew; Less than or equal to 30 degrees	2/17/2017
SE-IL2772N-2-0	Superstructure; Expansion; IL 27-72 narrow top; Multi-span; No skew	2/17/2017
SE-IL2772N-2-L-Greater than 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Multi-span; Left skew; Greater than 30 degrees	2/17/2017
SE-IL2772N-2-L-Less than or equal to 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017

CELL / MODEL NAME	DESCRIPTION	DATE
SE-IL2772N-2-R-Greater than 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Multi-span; Right skew; Greater than 30 degrees	2/17/2017
SE-IL2772N-2-R-Less than or equal to 30 degrees	Superstructure; Expansion; IL 27-72 narrow top; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017
SE-IL3672-1-0	Superstructure; Expansion; I-Beam 36-72; Single span; No skew	2/17/2017
SE-IL3672-1-L-Greater than 30 degrees	Superstructure; Expansion; IL 36-72; Single span; Left Skew; Greater than 30 degrees	2/17/2017
SE-IL3672-1-L-Less than or equal to 30 degrees	Superstructure; Expansion; IL 36-72; Single span; Left Skew; Less than or equal to 30 degrees	2/17/2017
SE-IL3672-1-R-Greater than 30 degrees	Superstructure; Expansion; IL 36-72; Single span; Right Skew; Greater than 30 degrees	2/17/2017
SE-IL3672-1-R-Less than or equal to 30 degrees	Superstructure; Expansion; IL 36-72; Single span; Right Skew; Less than or equal to 30 degrees	2/17/2017
SE-IL3672-2-0	Superstructure; Expansion; IL 36-72; Multi-span; No skew	2/17/2017
SE-IL3672-2-L-Greater than 30 degrees	Superstructure; Expansion; IL 36-72; Multi-span; Left Skew; Greater than 30 degrees	2/17/2017
SE-IL3672-2-L-Less than or equal to 30 degrees	Superstructure; Expansion; IL 36-72; Multi-span; Left Skew; Less than or equal to 30 degrees	2/17/2017
SE-IL3672-2-R-Greater than 30 degrees	Superstructure; Expansion; IL 36-72; Multi-span; Right Skew; Greater than 30 degrees	2/17/2017
SE-IL3672-2-R-Less than or equal to 30 degrees	Superstructure; Expansion; IL 36-72; Multi-span; Right Skew; Less than or equal to 30 degrees	2/17/2017

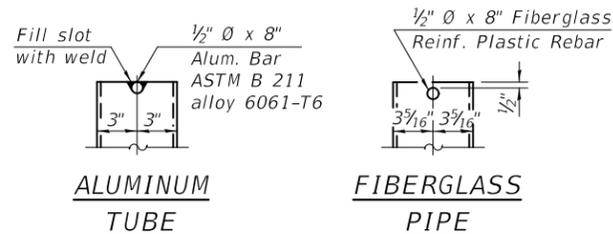


INSIDE ELEVATION OF PARAPET



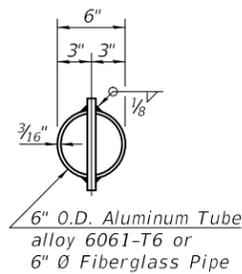
SECTION THRU PARAPET

**For insert locations See sheet of

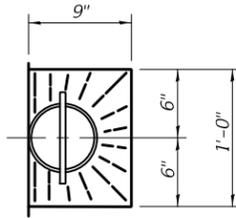


ALUMINUM TUBE

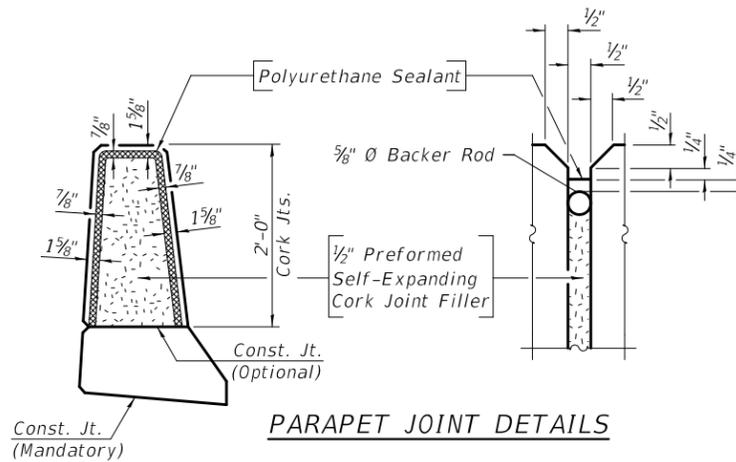
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)



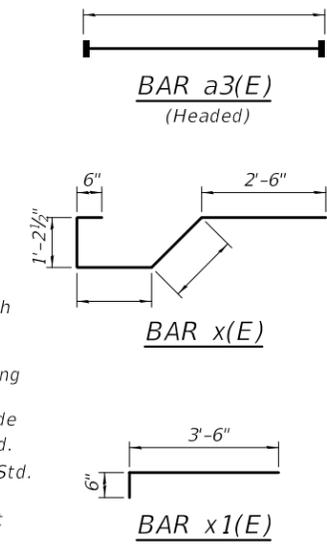
TOP PLAN



PARAPET JOINT DETAILS

Notes:

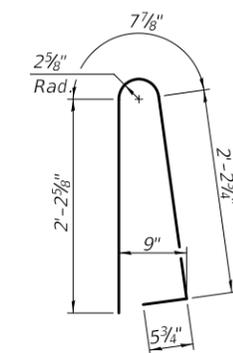
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall 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 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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



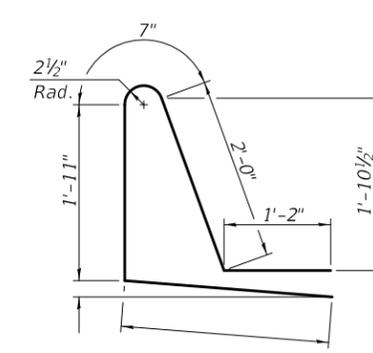
BAR a3(E) (Headed)

BAR x(E)

BAR x1(E)



BAR d(E)



BAR d1(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
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.

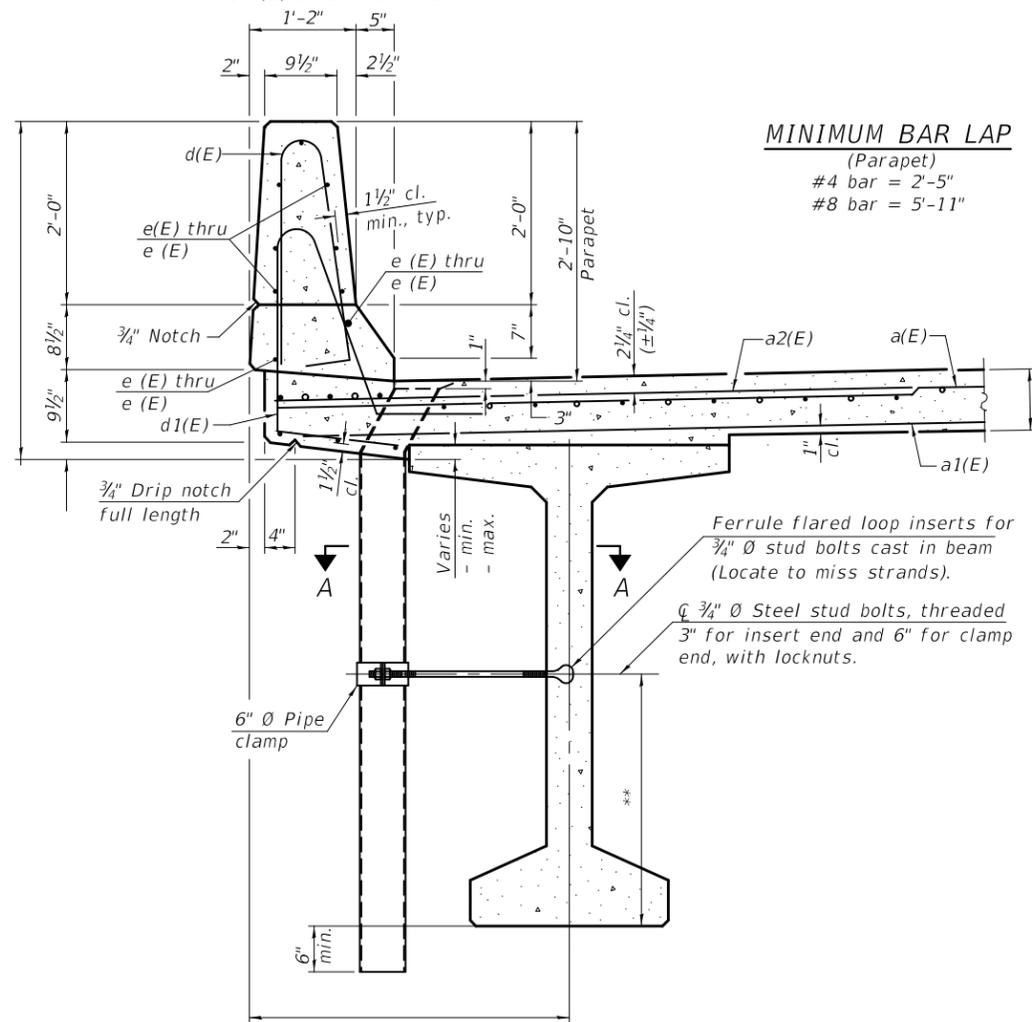
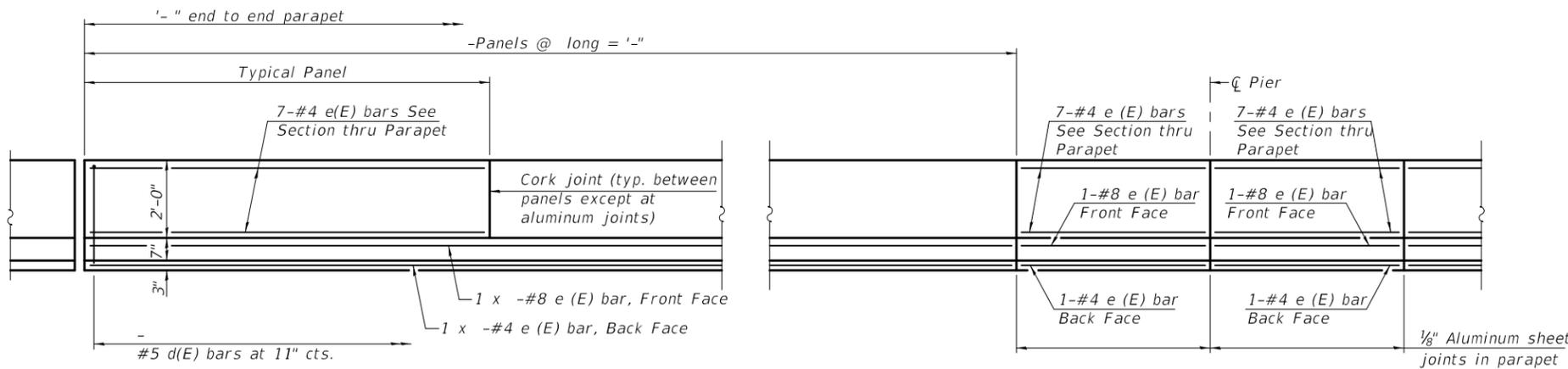
SDE-BT6372-1 2-17-2017

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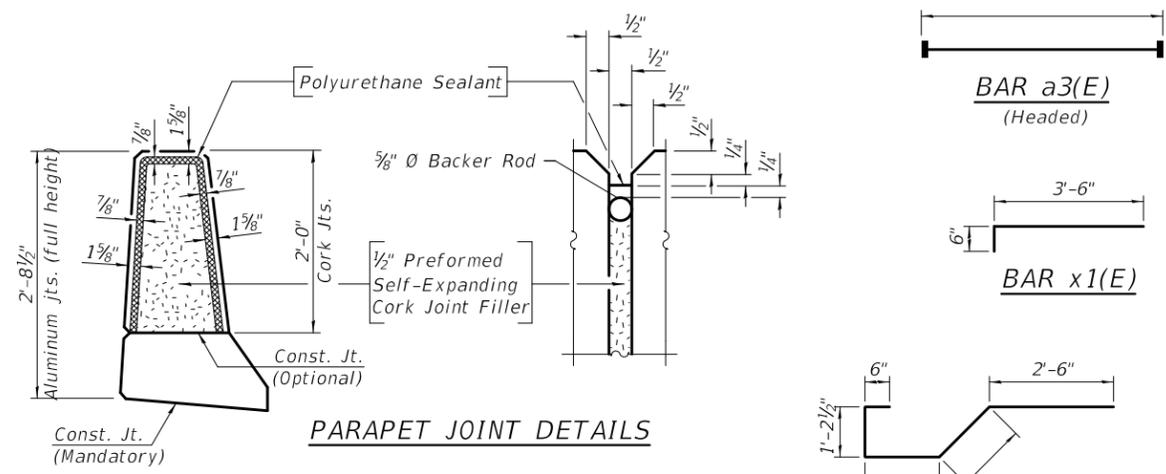
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

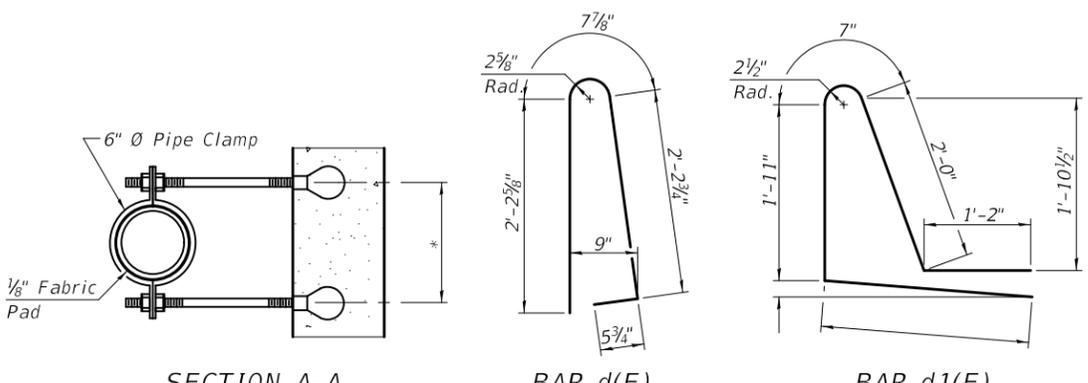
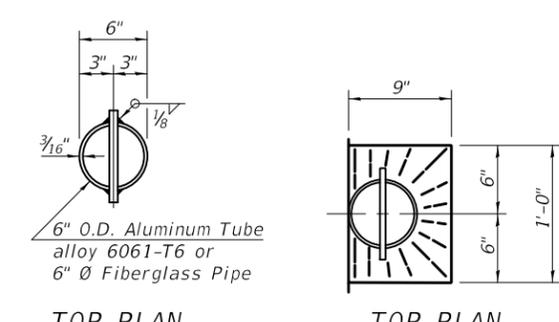
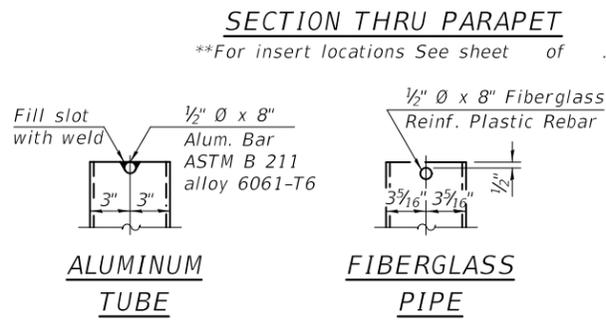
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-5"
#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.
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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. 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)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
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.

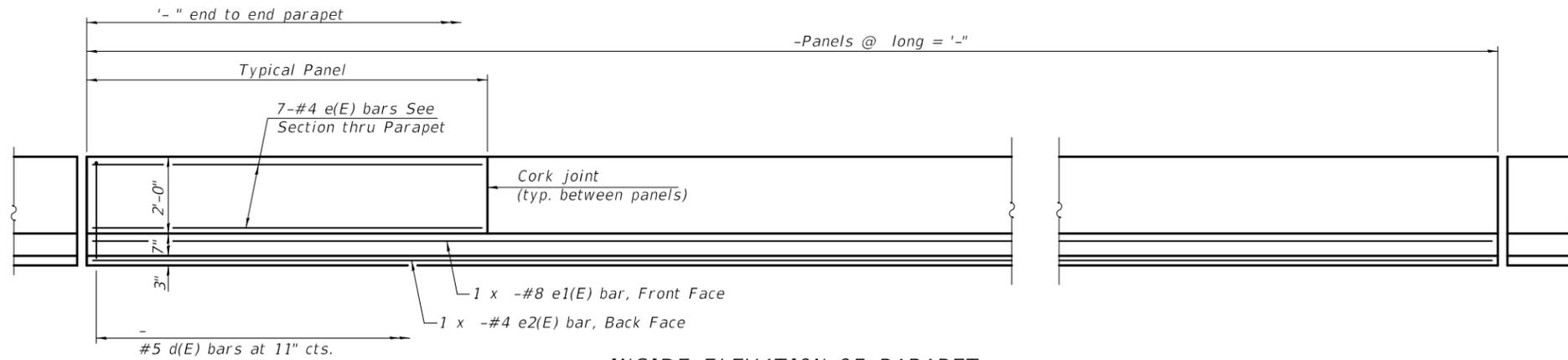
SDE-BT6372-2 2-17-2017

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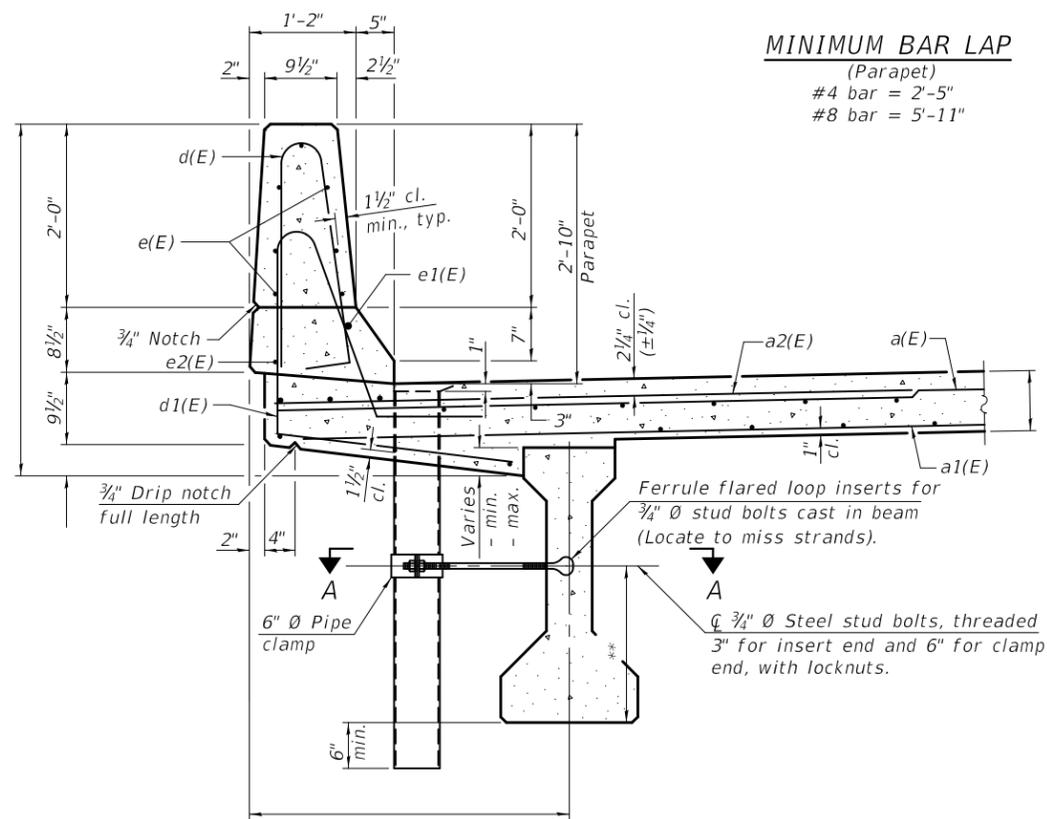
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

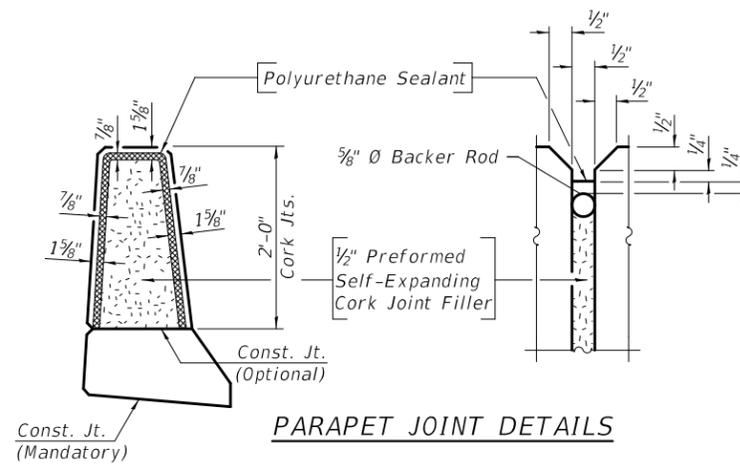


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

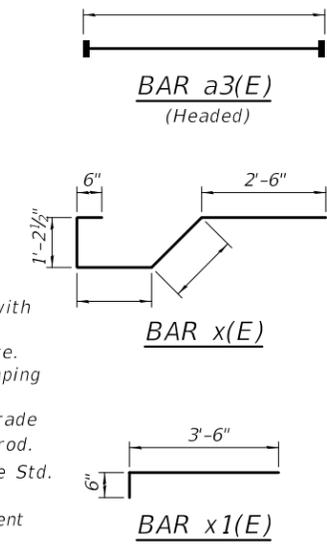
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

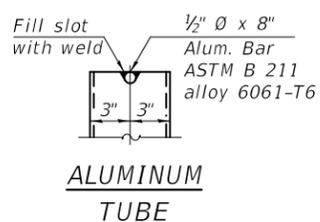
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 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



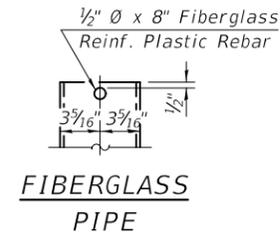
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

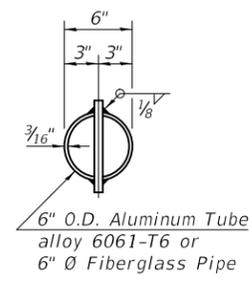
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



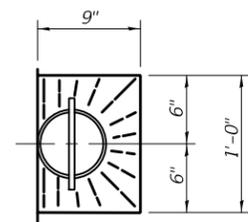
ALUMINUM TUBE



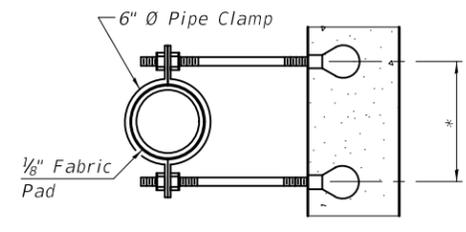
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

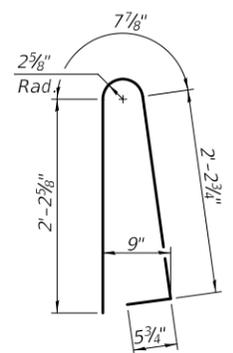


TOP PLAN

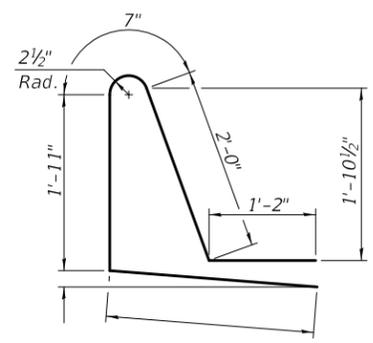


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

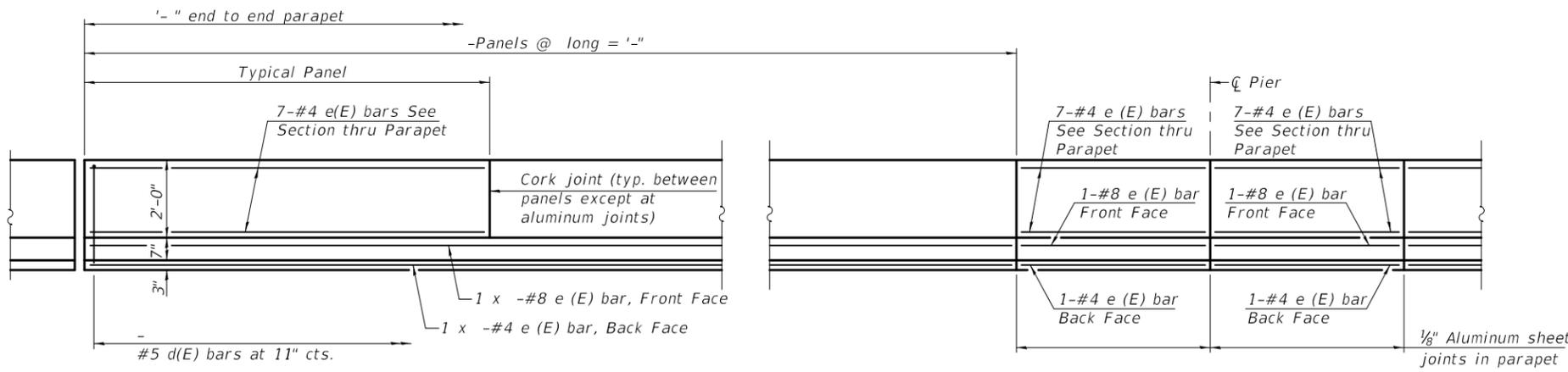
SDE-I3642-1 2-17-2017

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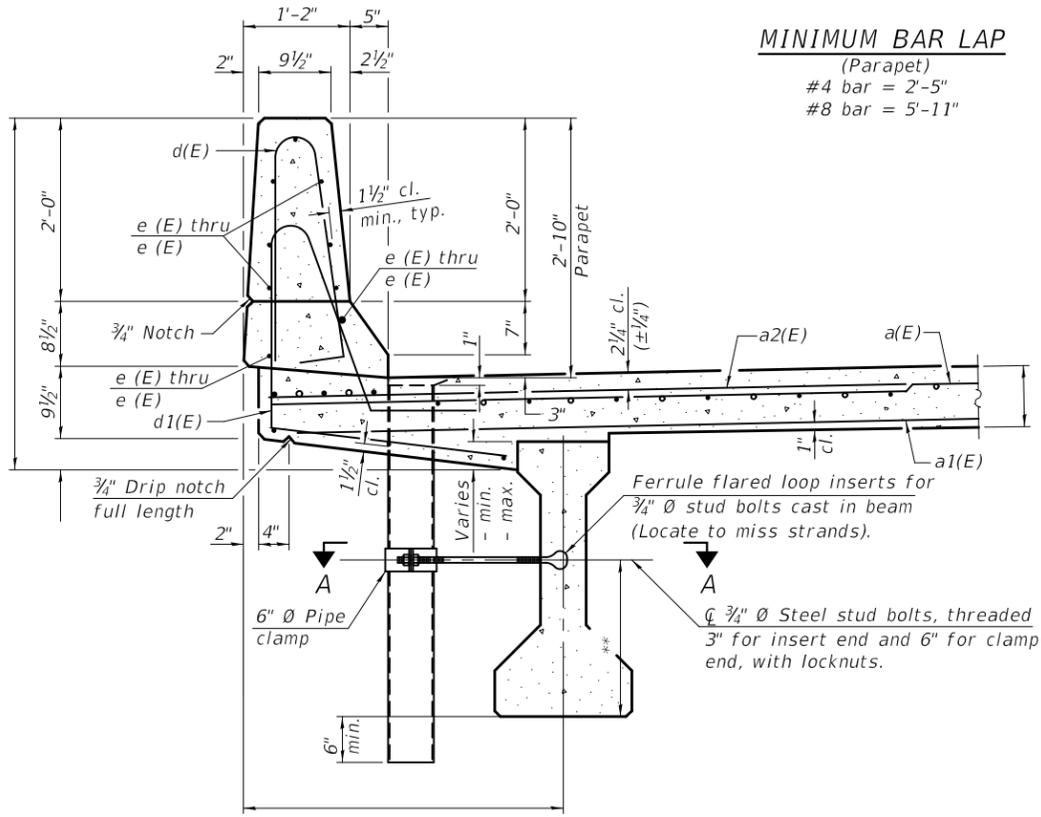
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



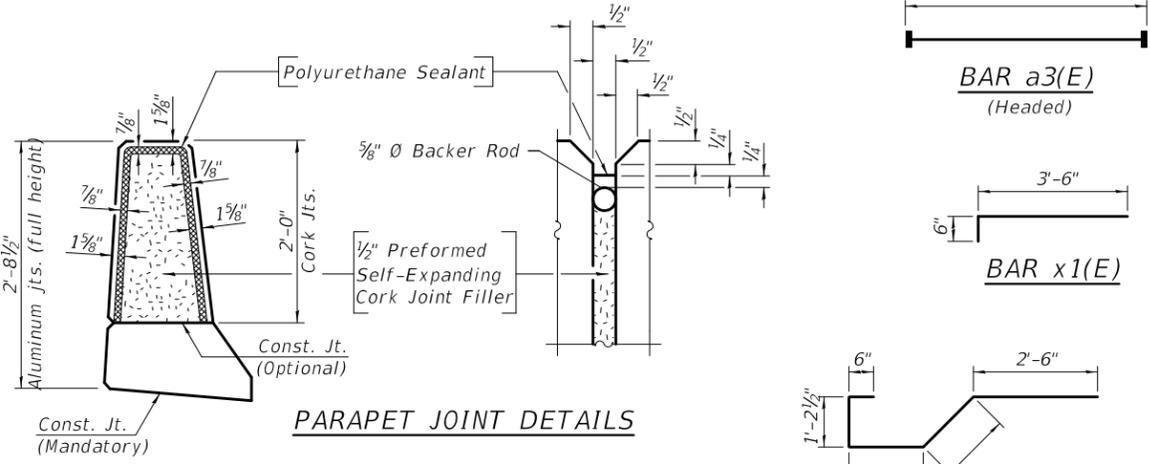
INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

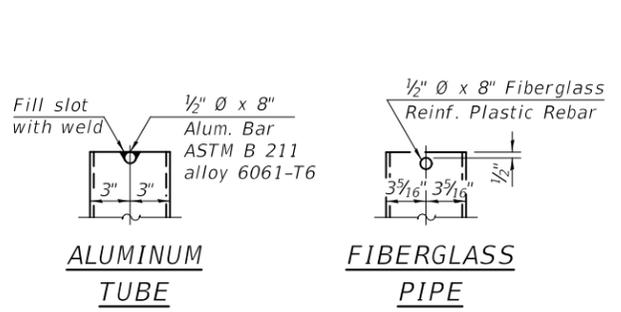
**For insert locations See sheet of

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



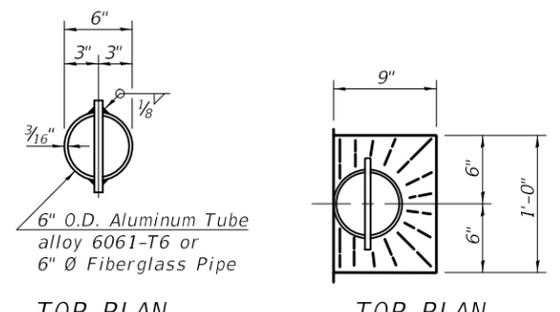
PARAPET JOINT DETAILS

Notes:
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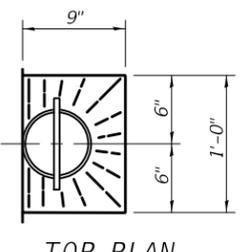


ALUMINUM TUBE

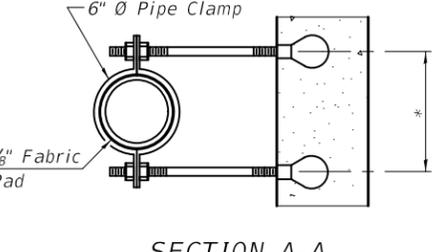
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

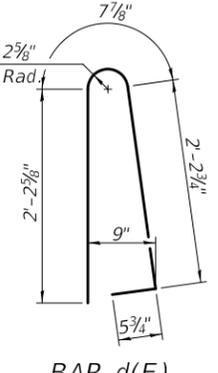


TOP PLAN

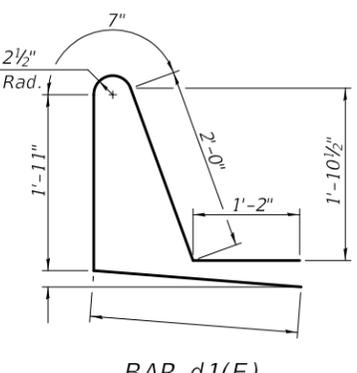


SECTION A-A

*Dimension as required by Pipe Clamp



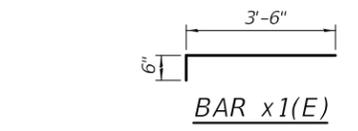
BAR d(E)



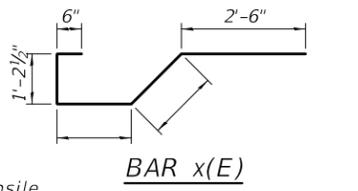
BAR d1(E)



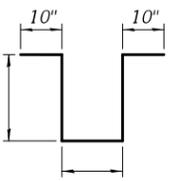
BAR a3(E) (Headed)



BAR x1(E)



BAR x(E)



BAR s20(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
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.

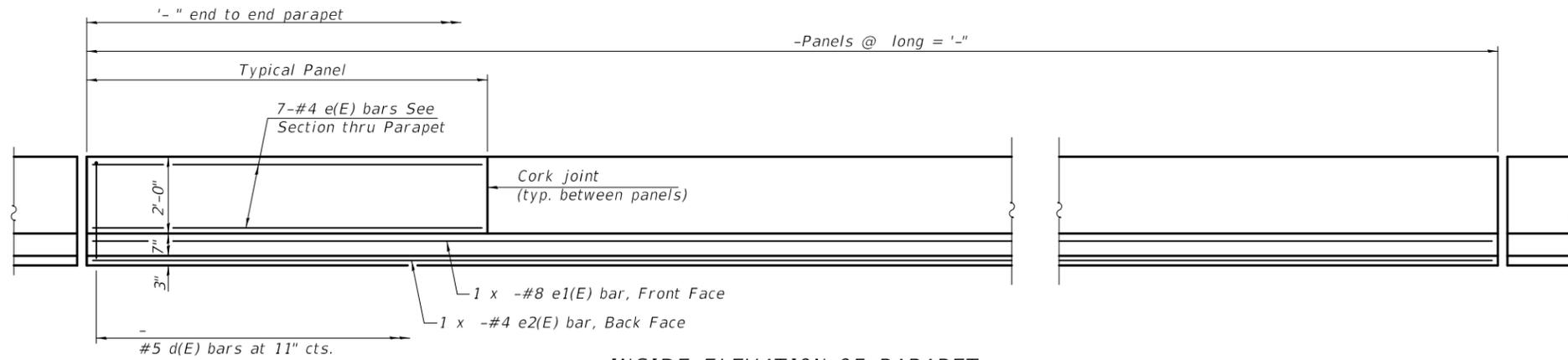
SDE-I3642-2 2-17-2017

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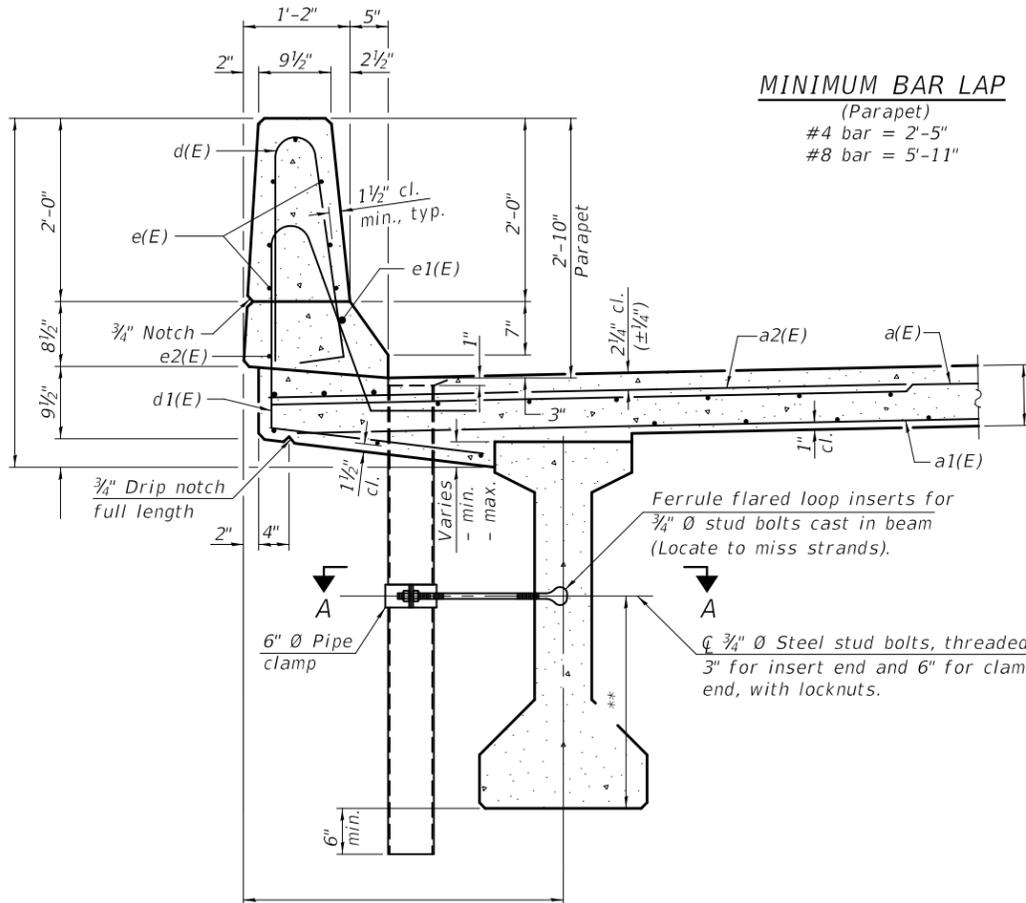
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

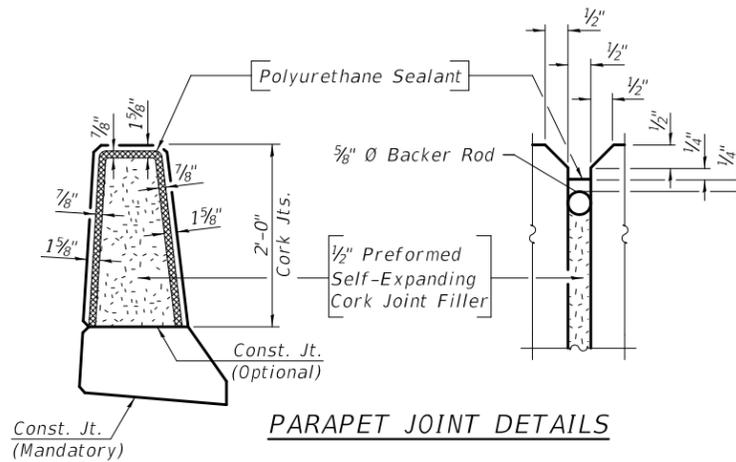


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

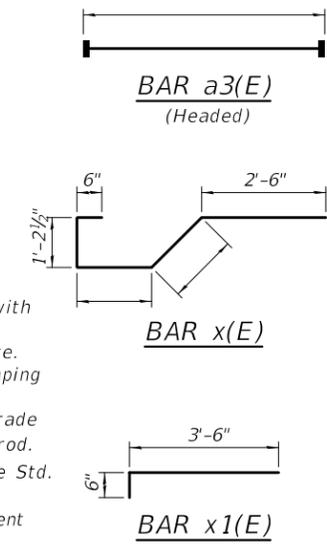
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

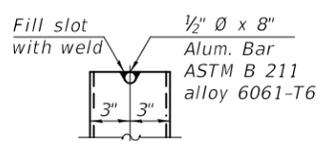
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall 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 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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



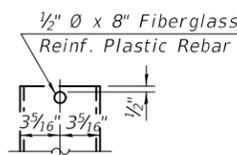
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	#5			
a1(E)	#5			
a2(E)	#6	6'-6"		
a3(E)				
a4(E)				
a5(E)				
b(E)	#5			
b1(E)	#5			
b2(E)				
d(E)	#5	5'-7"		
d1(E)	#5			
e(E)	#4			
e1(E)	#8			
e2(E)	#4			
x(E)	#5			
x1(E)	#5	4'-0"		
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

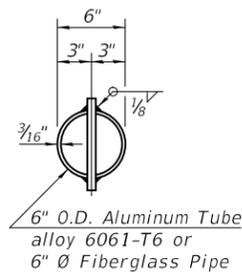
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



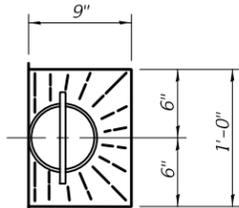
ALUMINUM TUBE



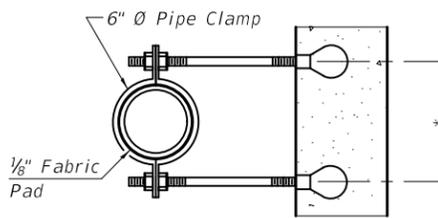
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

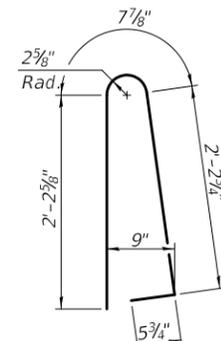


TOP PLAN

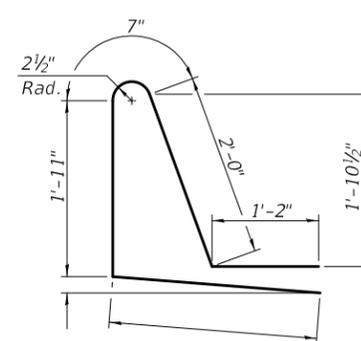


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

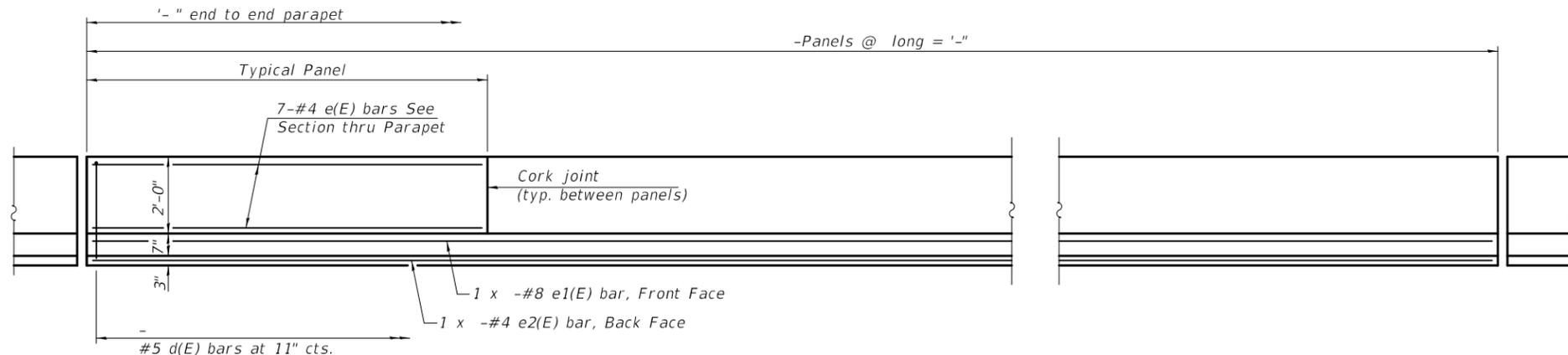
SDE-14854-1 2-17-2017

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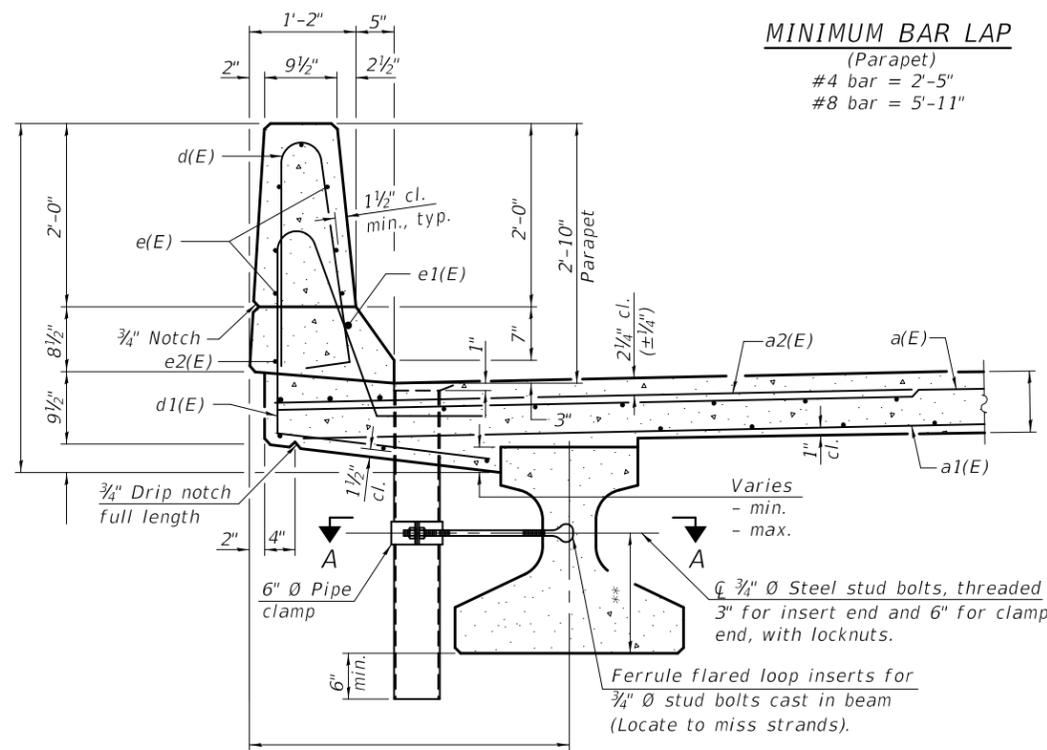
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

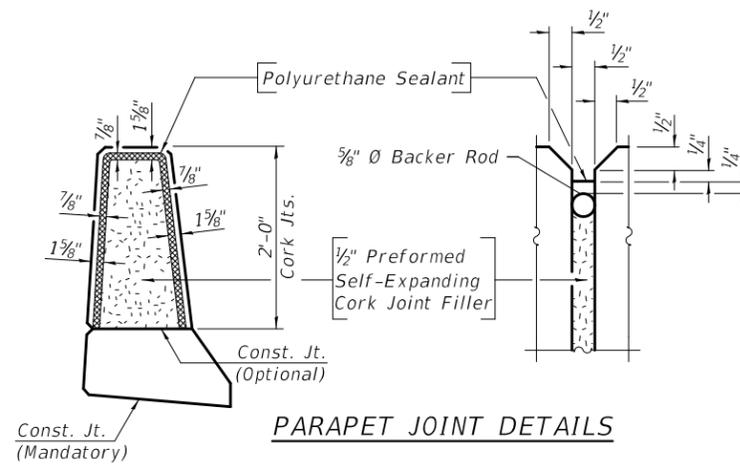


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

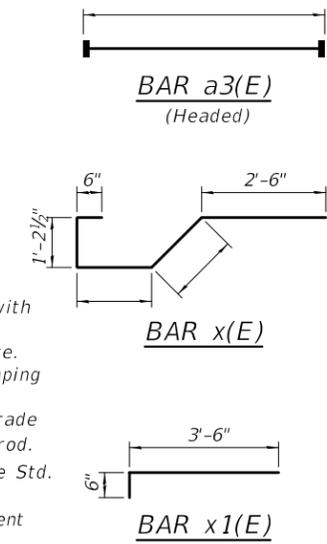
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

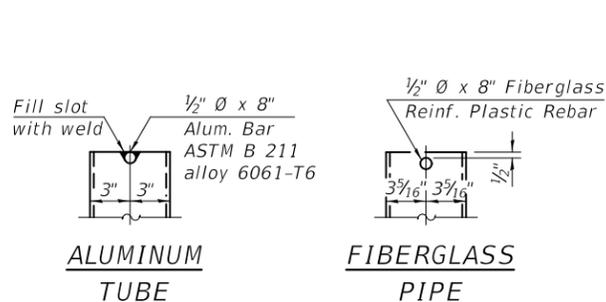
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall 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 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" Prefomed 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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



SUPERSTRUCTURE BILL OF MATERIAL

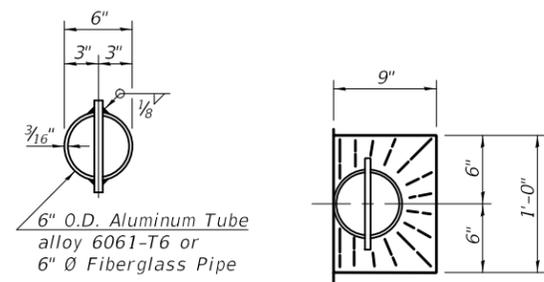
Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌒
d1(E)		#5		⌒
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌒
x1(E)		#5	4'-0"	⌒
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

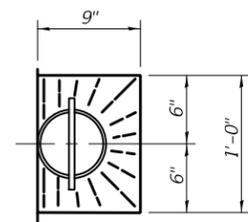


ALUMINUM TUBE

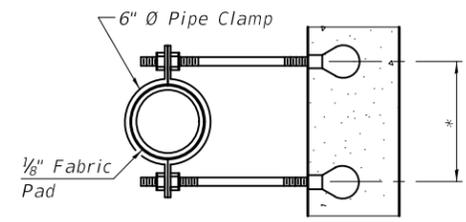
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

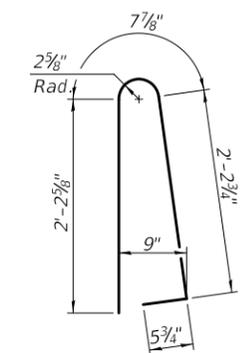


TOP PLAN

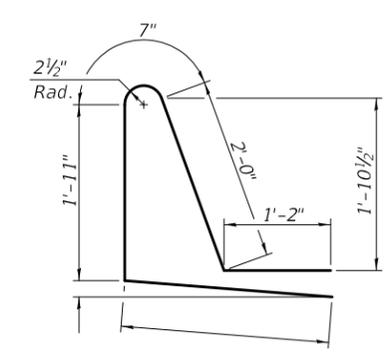


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

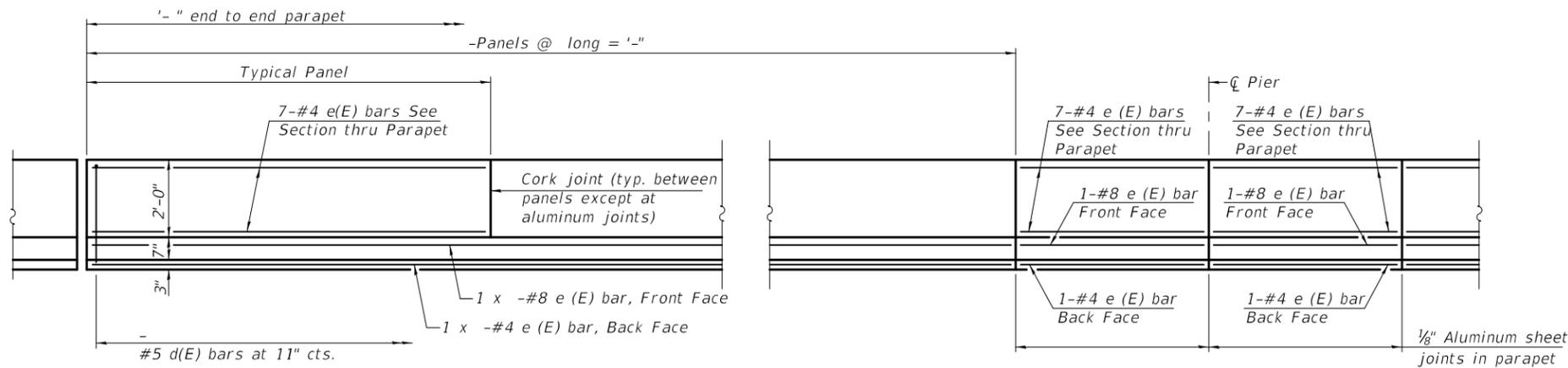
SDE-IL27-1 2-17-2017

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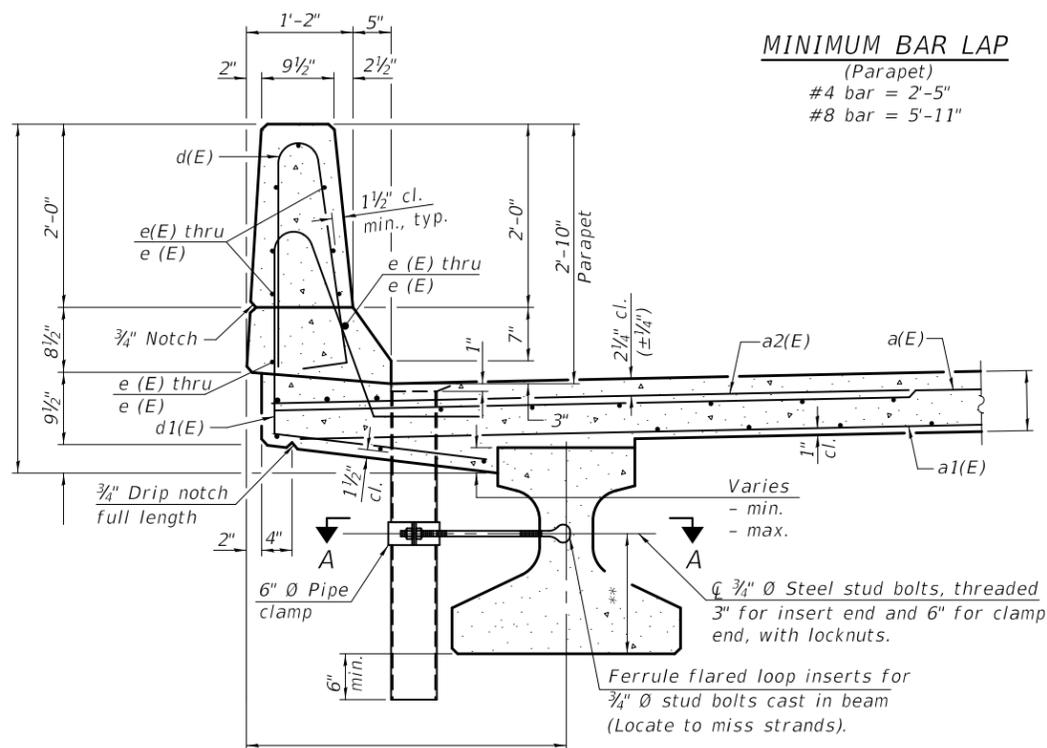
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

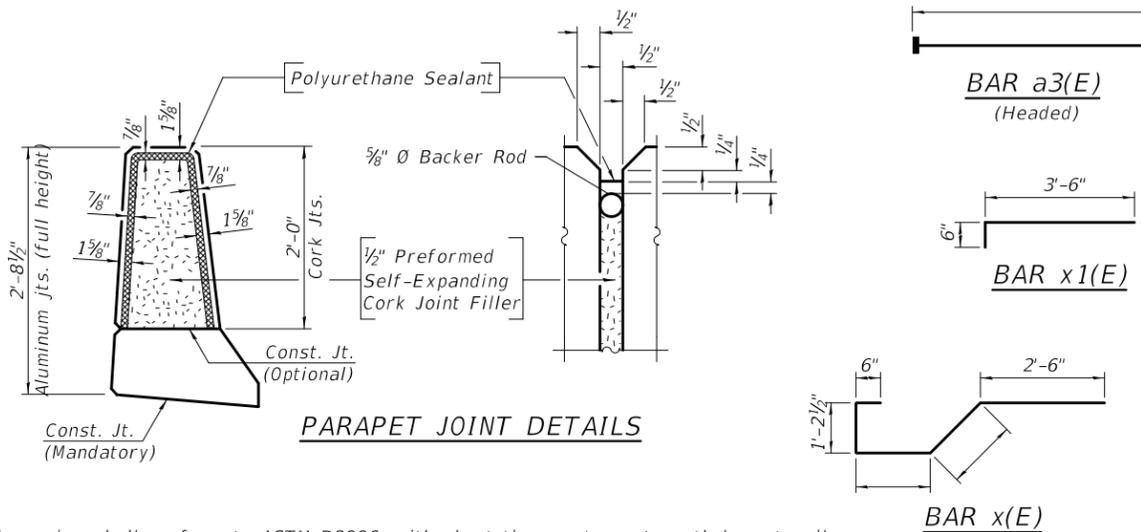


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

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



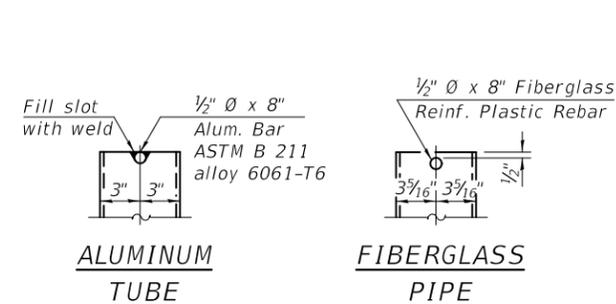
PARAPET JOINT DETAILS

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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

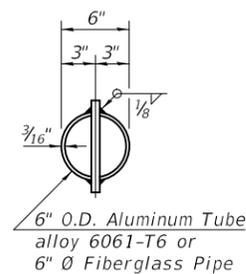
SUPERSTRUCTURE
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)				—
b2(E)		#5		—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s20(E)		#5		⌋
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

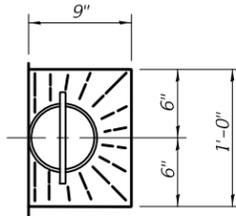


ALUMINUM
TUBE

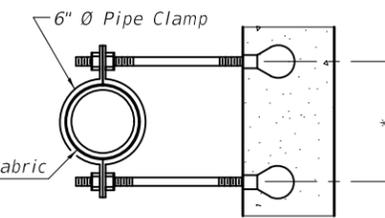
FIBERGLASS
PIPE



TOP PLAN
 (Showing Aluminum Tube)

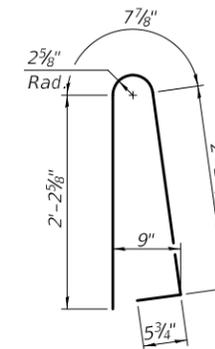


TOP PLAN

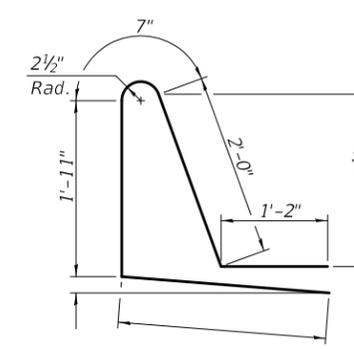


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDE-IL27-2

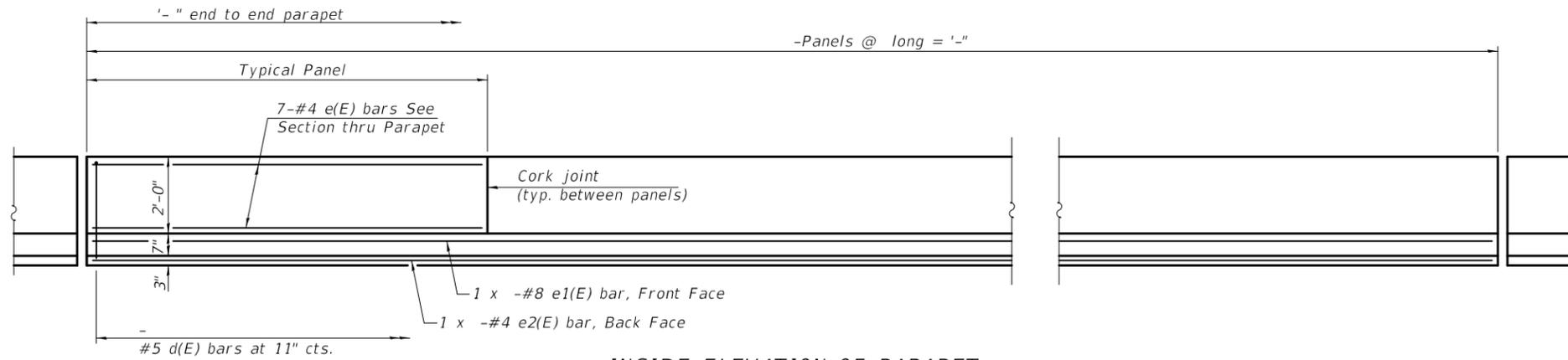
2-17-2017

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	PLOT DATE =	CHECKED -	REvised -

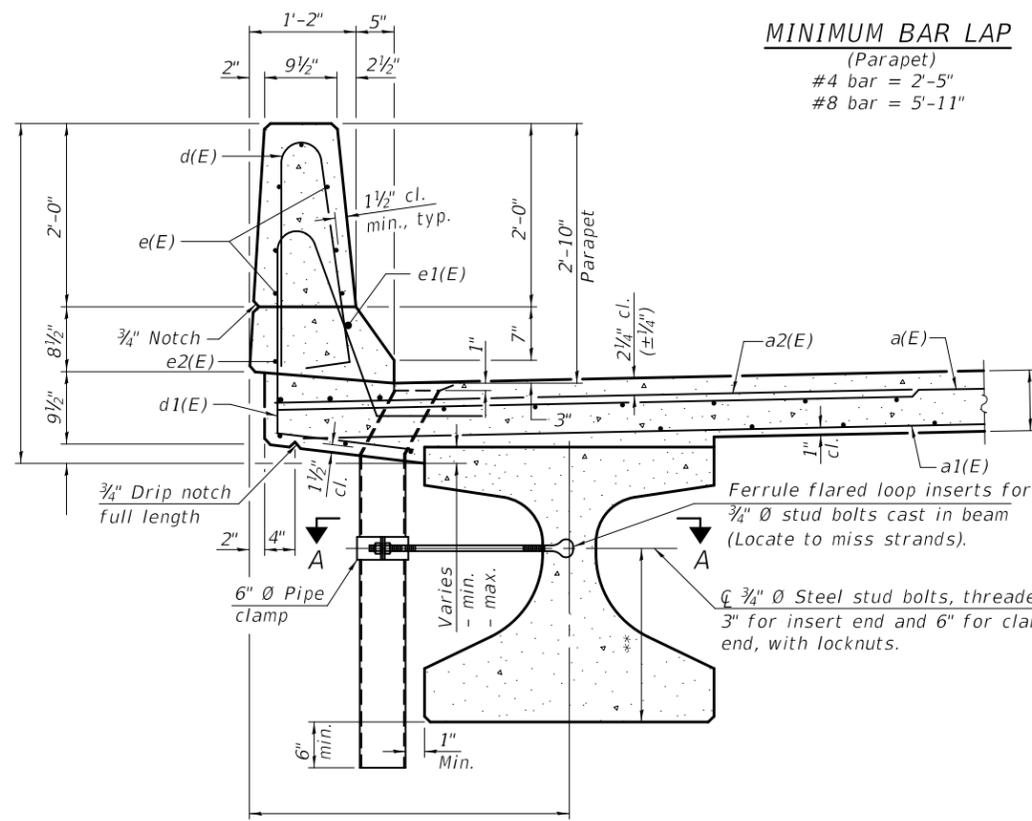
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

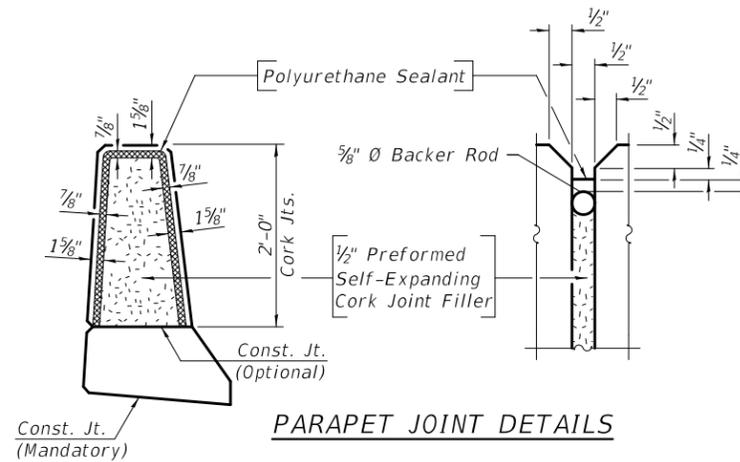


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

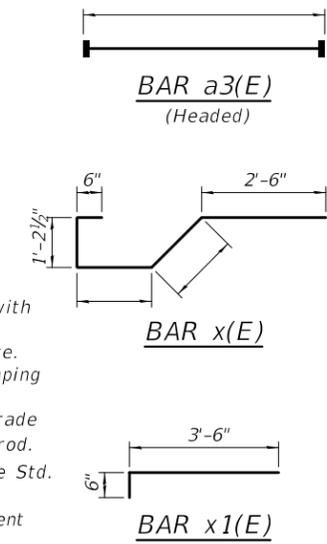
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

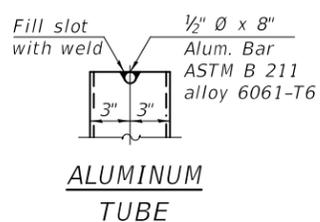
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
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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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



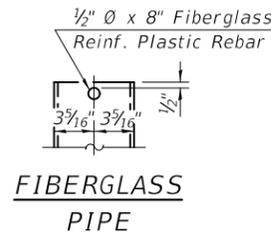
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌒
d1(E)		#5		⌒
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌒
x1(E)		#5	4'-0"	⌒
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

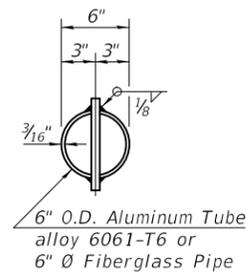
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

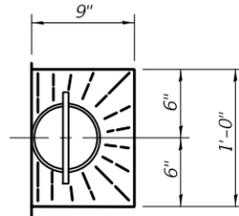


FIBERGLASS PIPE

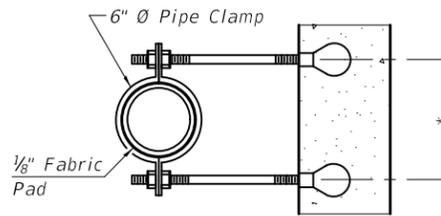


TOP PLAN

(Showing Aluminum Tube)

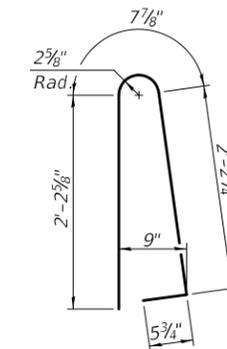


TOP PLAN

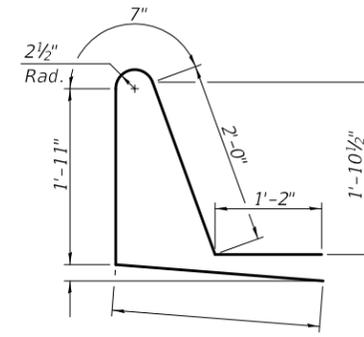


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDE-IL36-1

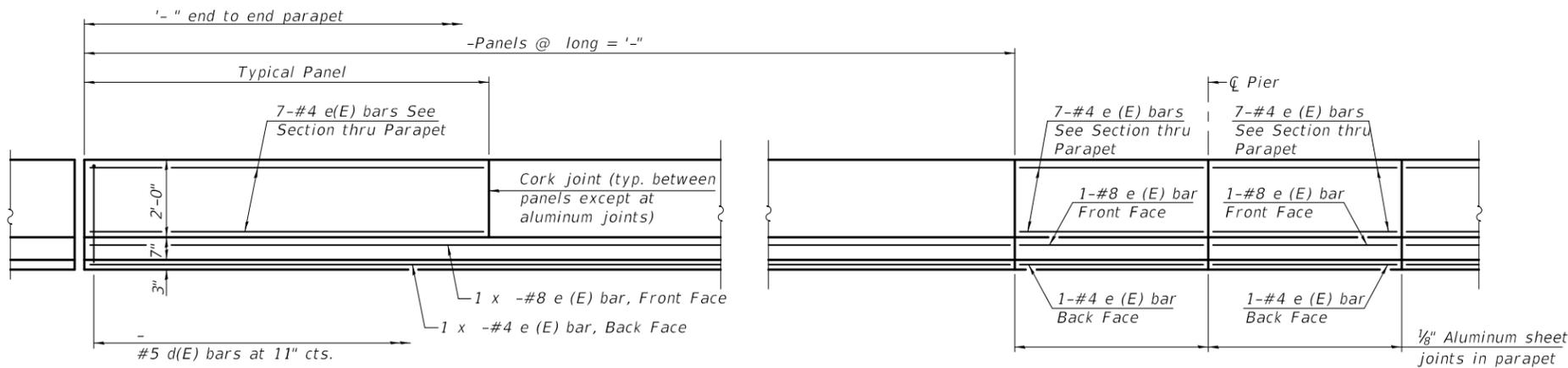
2-17-2017

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

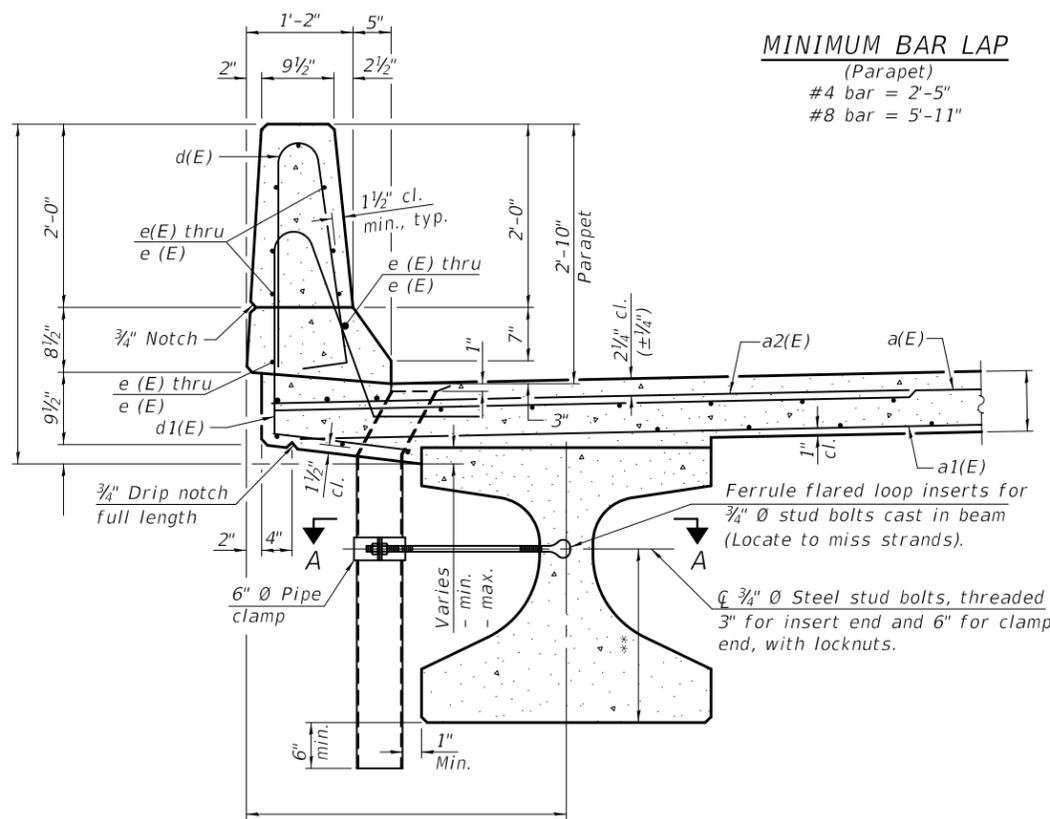
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

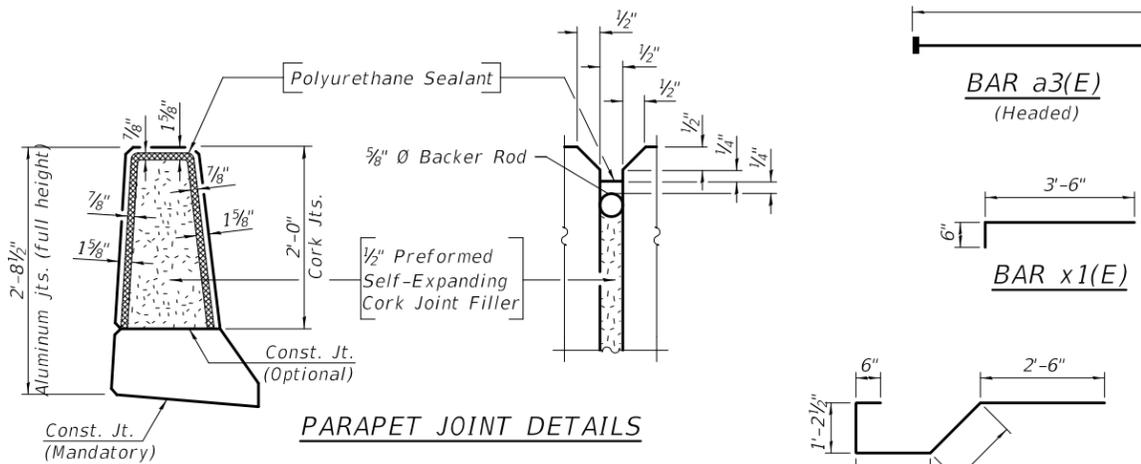


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

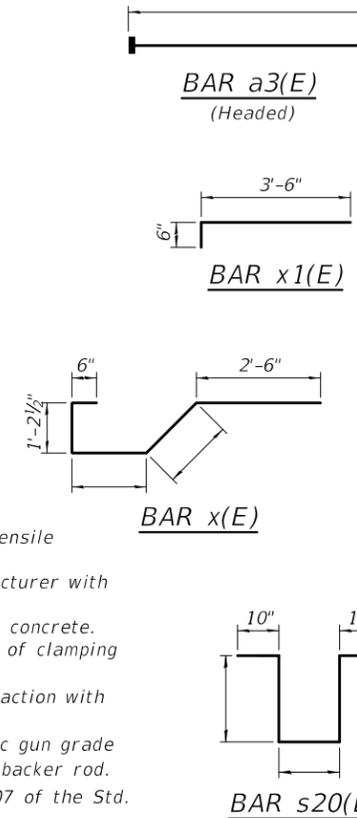
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

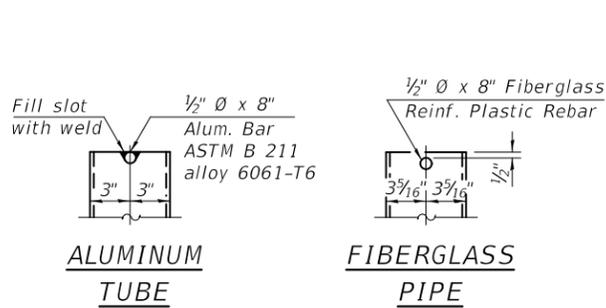
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
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 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



SUPERSTRUCTURE
 BILL OF MATERIAL

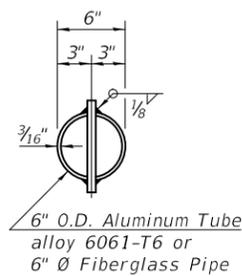
Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

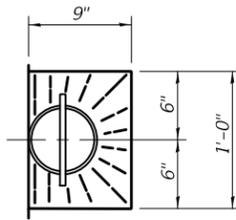


ALUMINUM TUBE

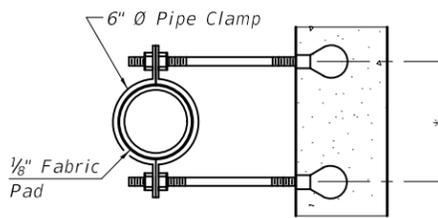
FIBERGLASS PIPE



TOP PLAN
 (Showing Aluminum Tube)

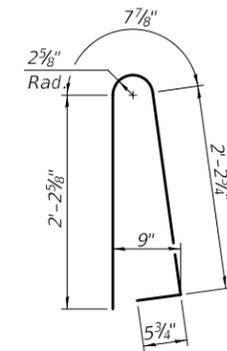


TOP PLAN

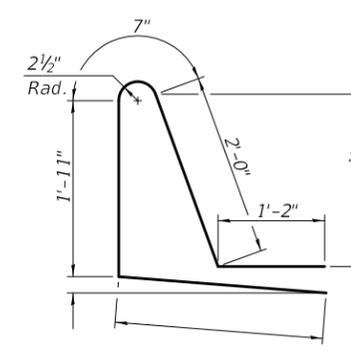


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDE-IL36-2

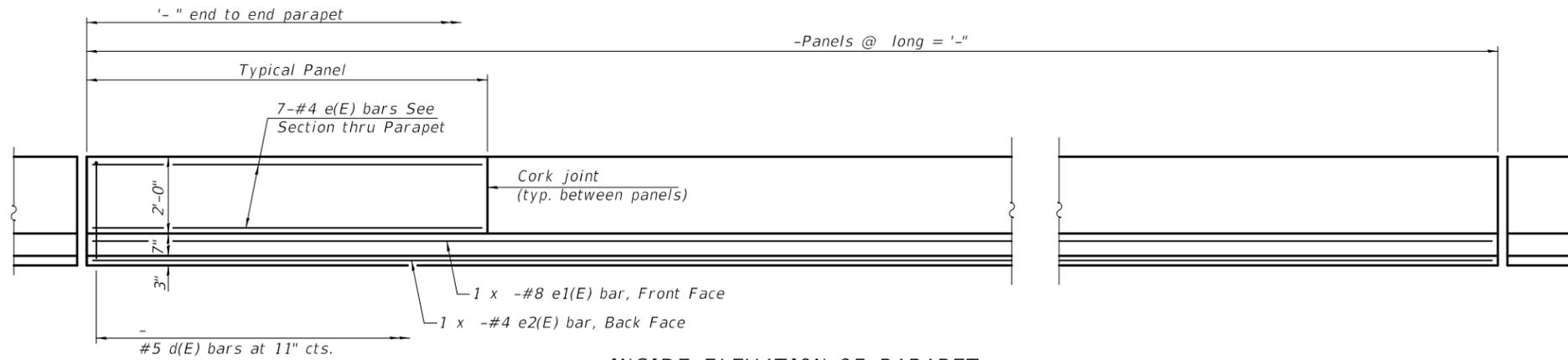
2-17-2017

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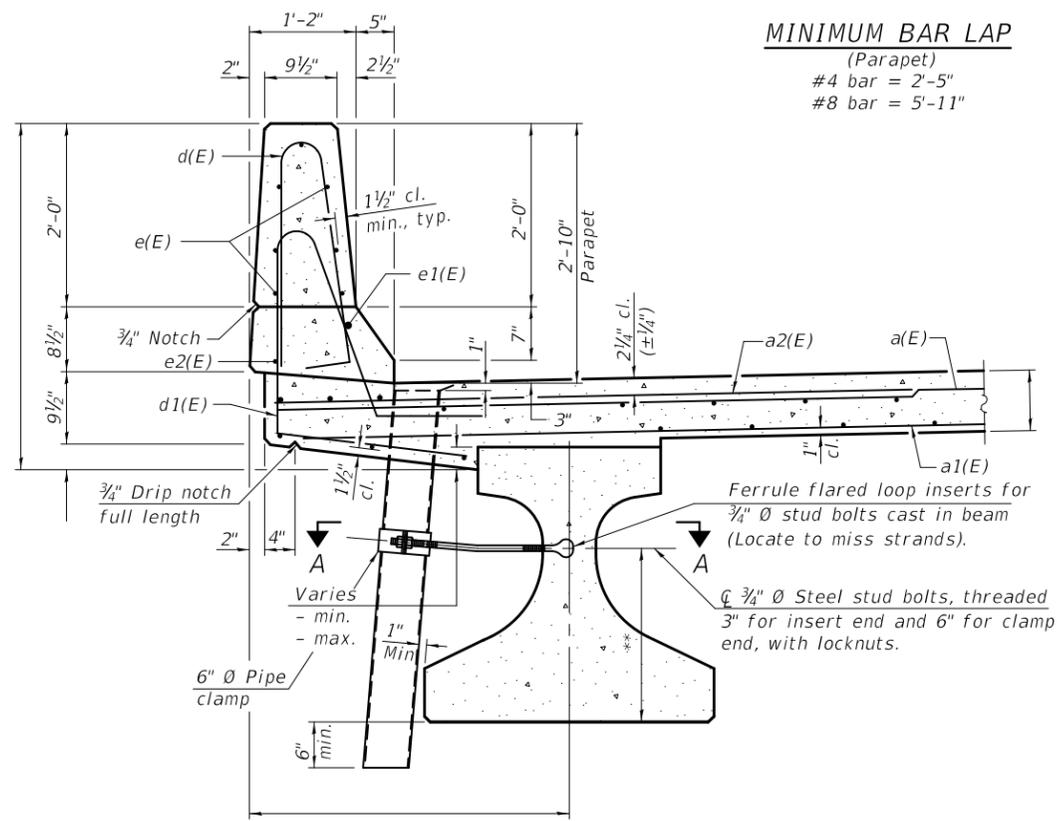
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

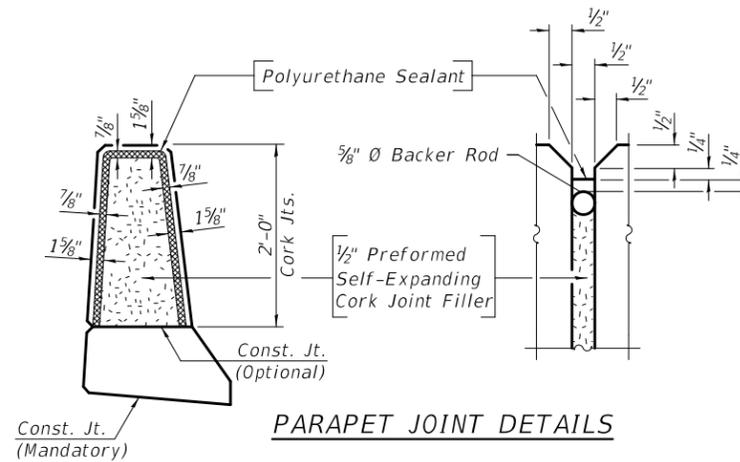


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

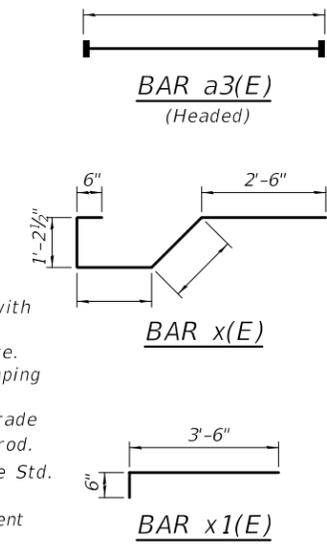
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

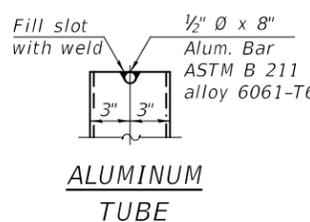
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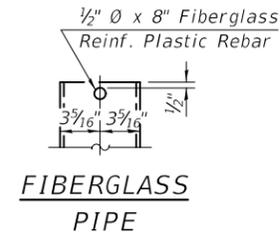
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)		#5		
b2(E)				
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
e1(E)		#8		
e2(E)		#4		
x(E)		#5		
x1(E)		#5	4'-0"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

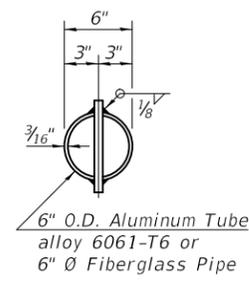
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



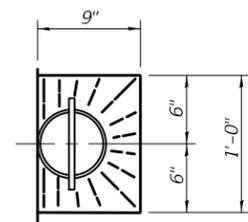
ALUMINUM TUBE



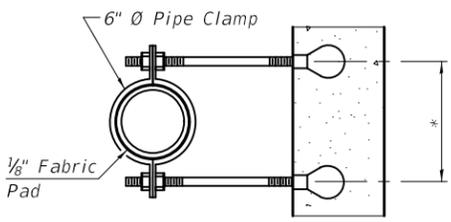
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

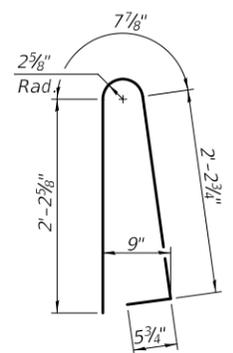


TOP PLAN

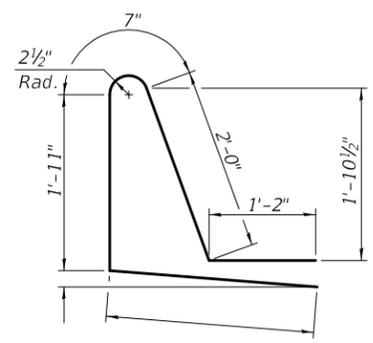


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

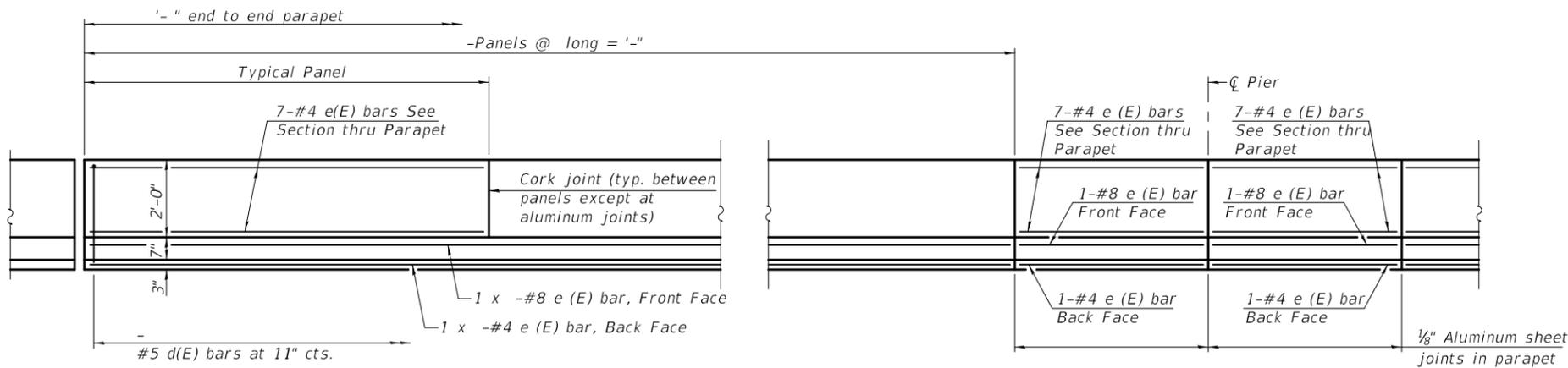
SDE-IL36N-1 2-17-2017

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

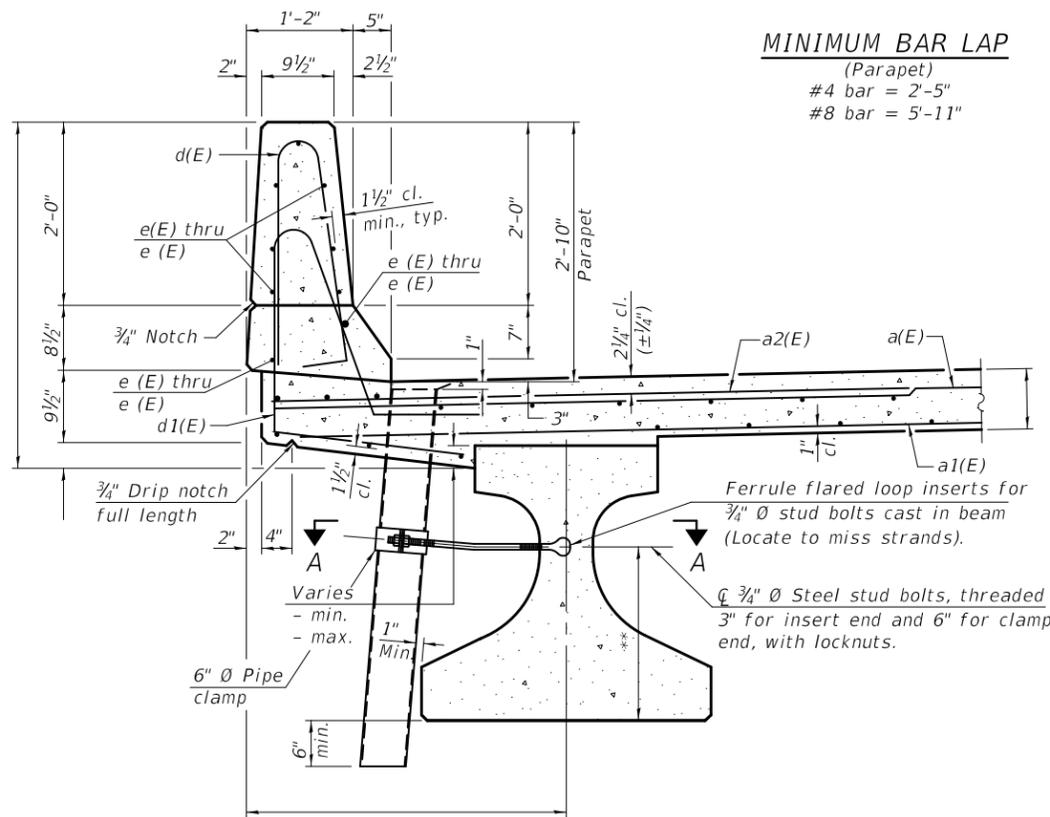
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

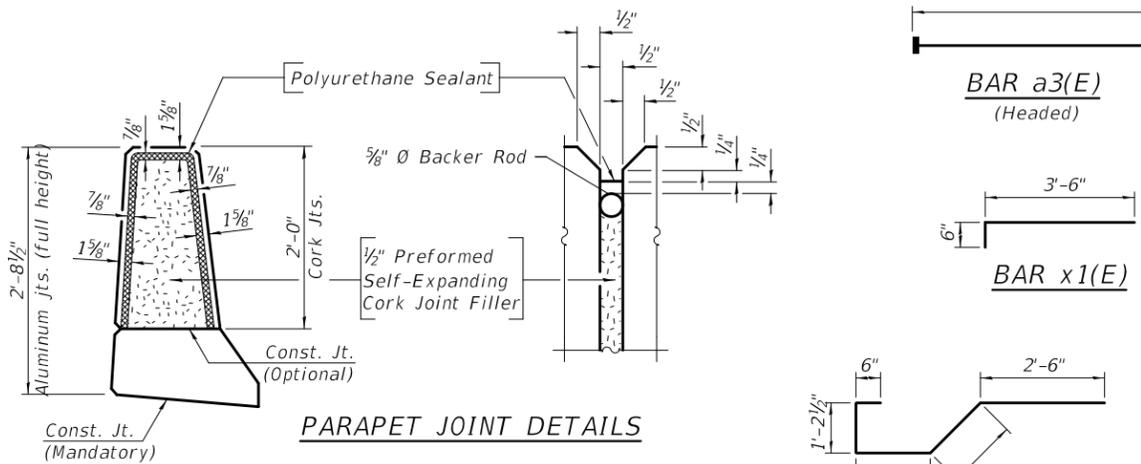


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

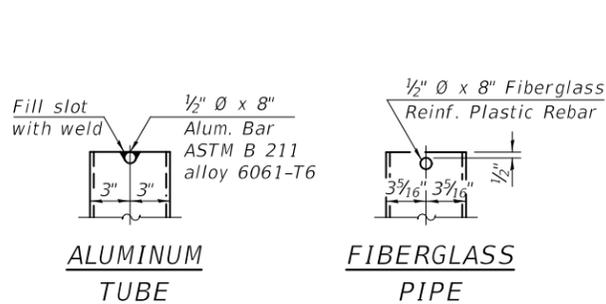
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

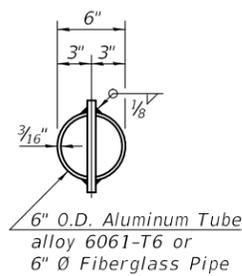
Notes:

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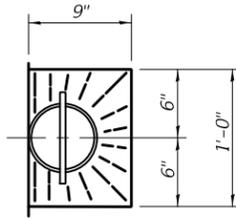
ALUMINUM TUBE

FIBERGLASS PIPE

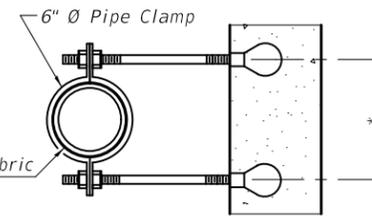


TOP PLAN

(Showing Aluminum Tube)

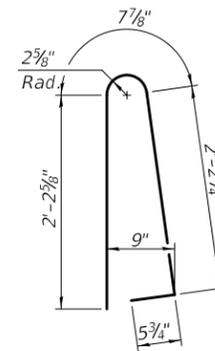


TOP PLAN

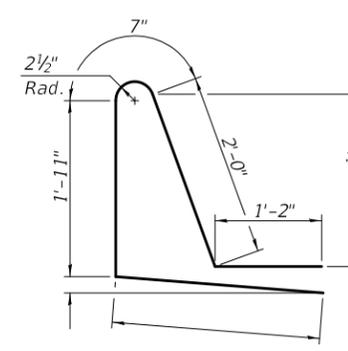


SECTION A-A

*Dimension as required by Pipe Clamp



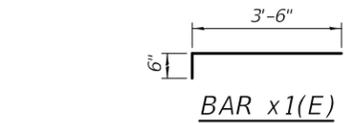
BAR d(E)



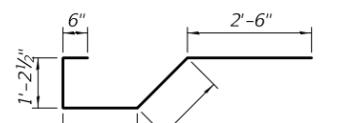
BAR d1(E)



BAR a3(E)
(Headed)



BAR x1(E)



BAR x(E)



BAR s20(E)

SUPERSTRUCTURE
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
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.

SDE-IL36N-2

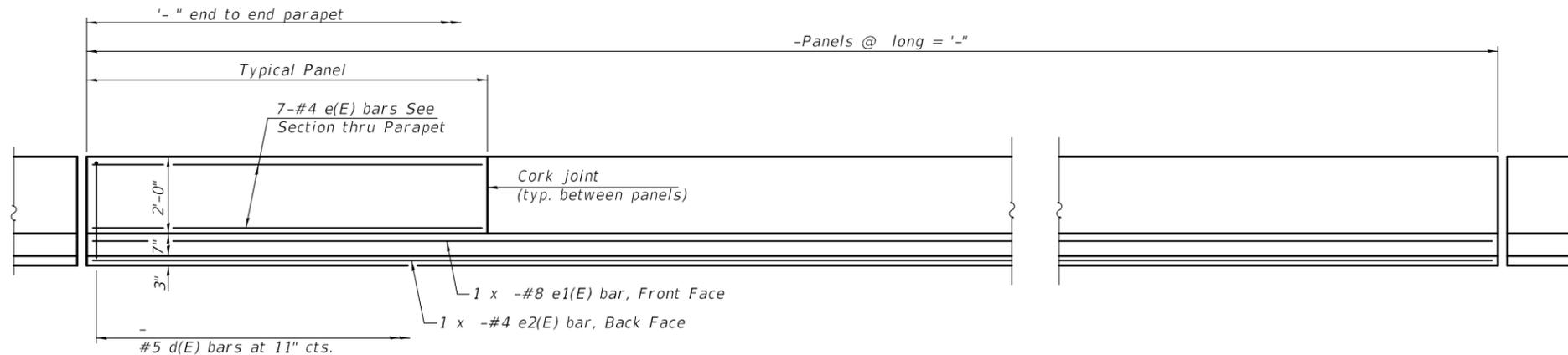
2-17-2017

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

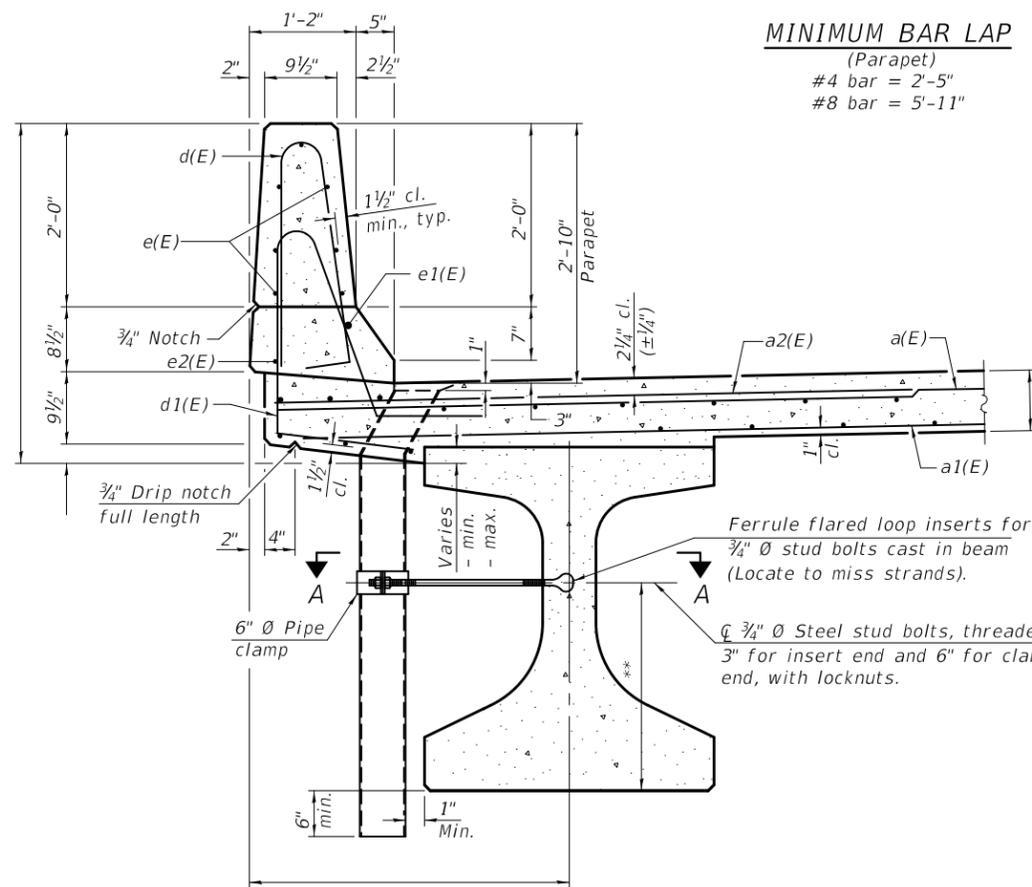
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

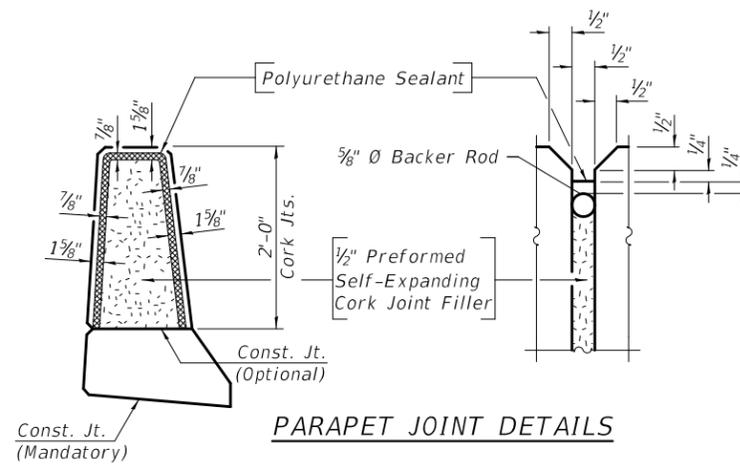
MINIMUM BAR LAP

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



SECTION THRU PARAPET

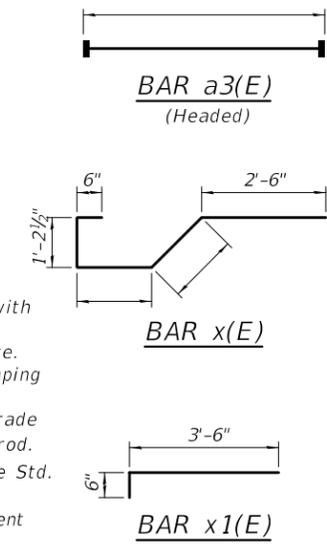
**For insert locations See sheet of



PARAPET JOINT DETAILS

Notes:

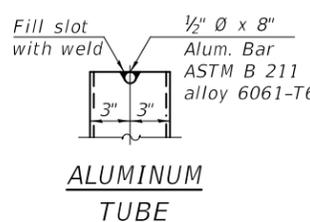
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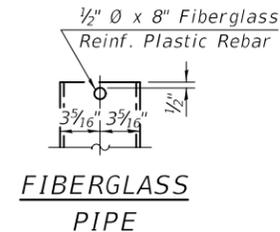
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)		#5		
b2(E)				
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
e1(E)		#8		
e2(E)		#4		
x(E)		#5		
x1(E)		#5	4'-0"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

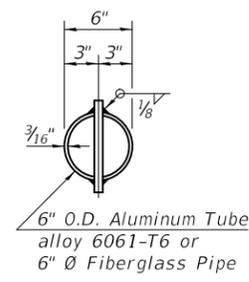
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

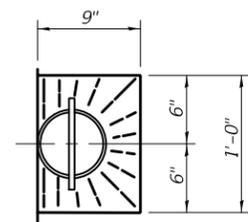


FIBERGLASS PIPE

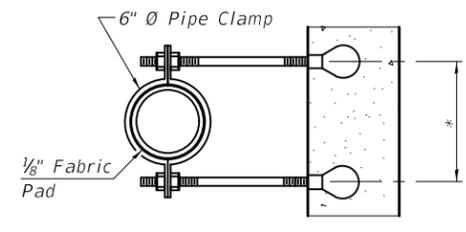


TOP PLAN

(Showing Aluminum Tube)

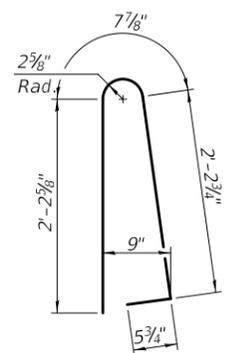


TOP PLAN

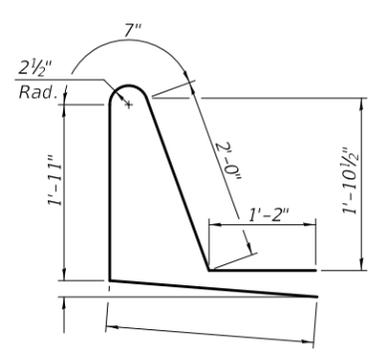


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

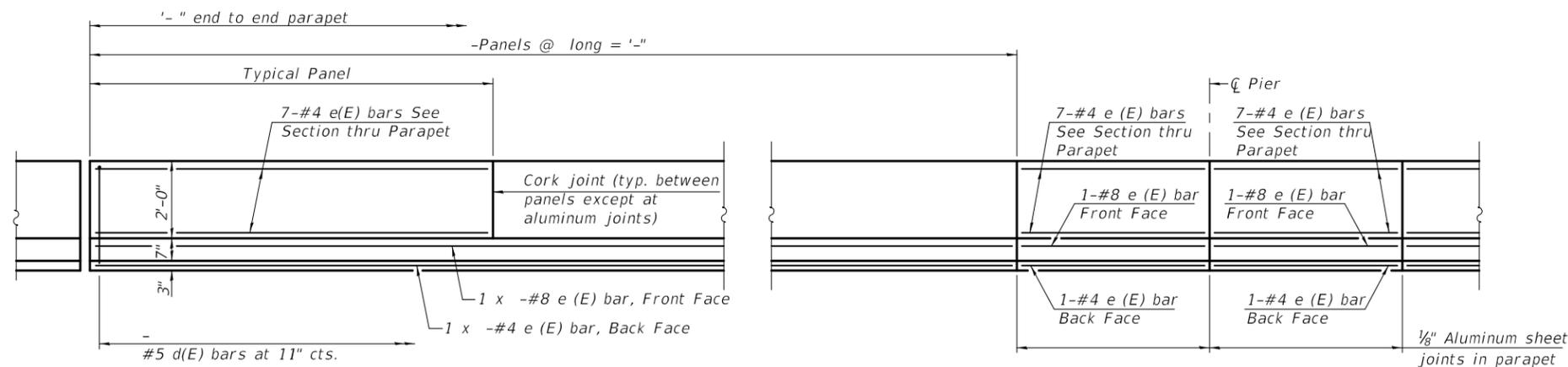
SDE-IL4554-1 2-17-2017

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		CHECKED -	REvised -

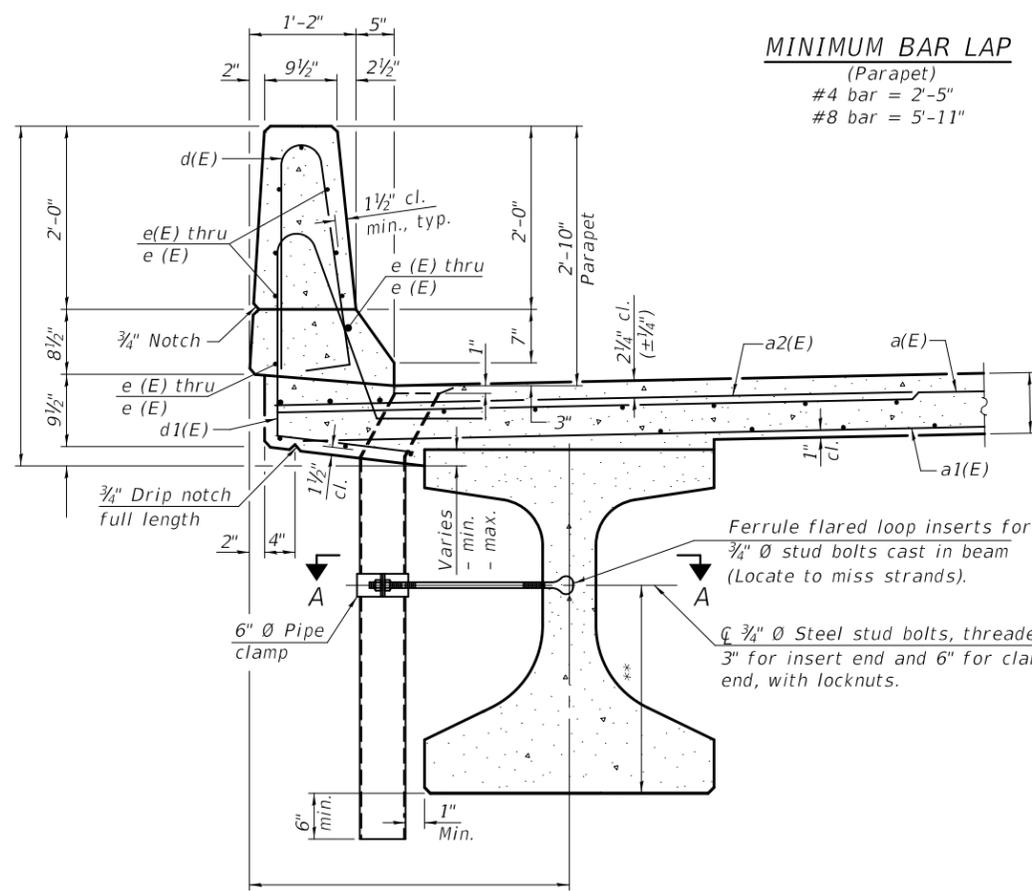
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

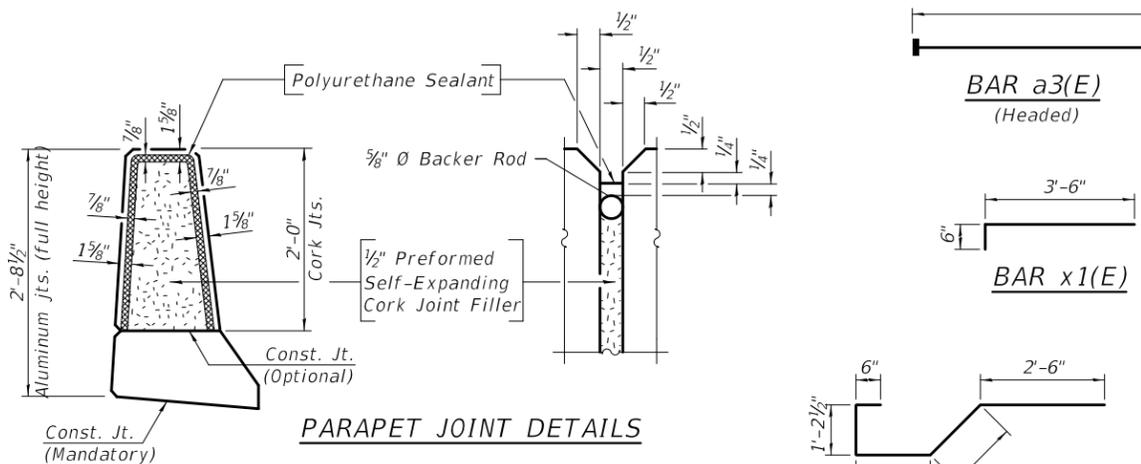


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

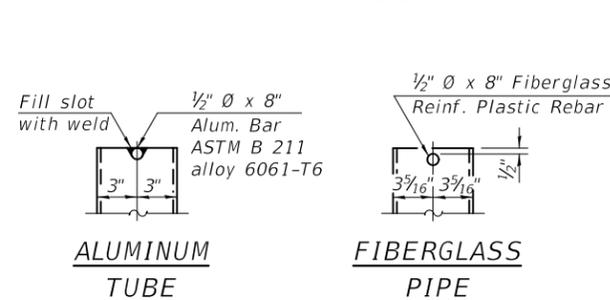
(Parapet)
 #4 bar = 2'-5"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

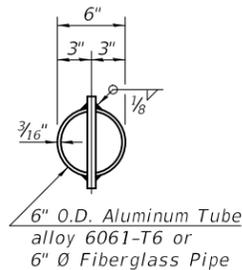
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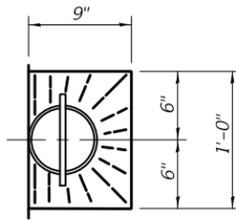


ALUMINUM TUBE

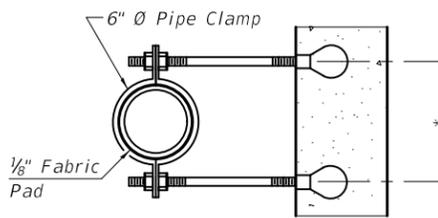
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

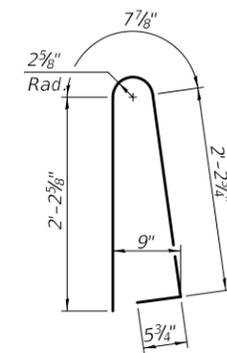


TOP PLAN

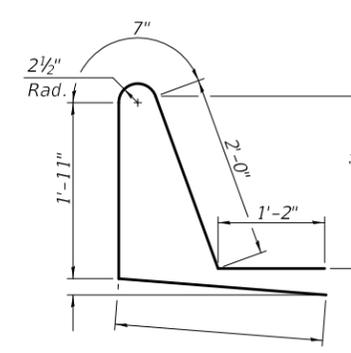


SECTION A-A

*Dimension as required by Pipe Clamp



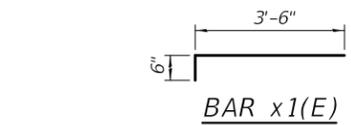
BAR d(E)



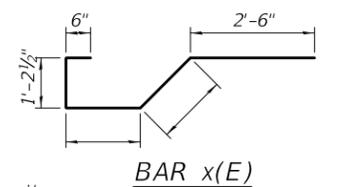
BAR d1(E)



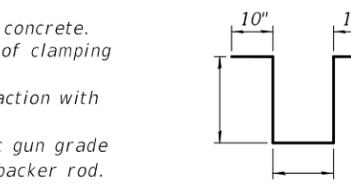
BAR a3(E) (Headed)



BAR x1(E)



BAR x(E)



BAR s20(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
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.

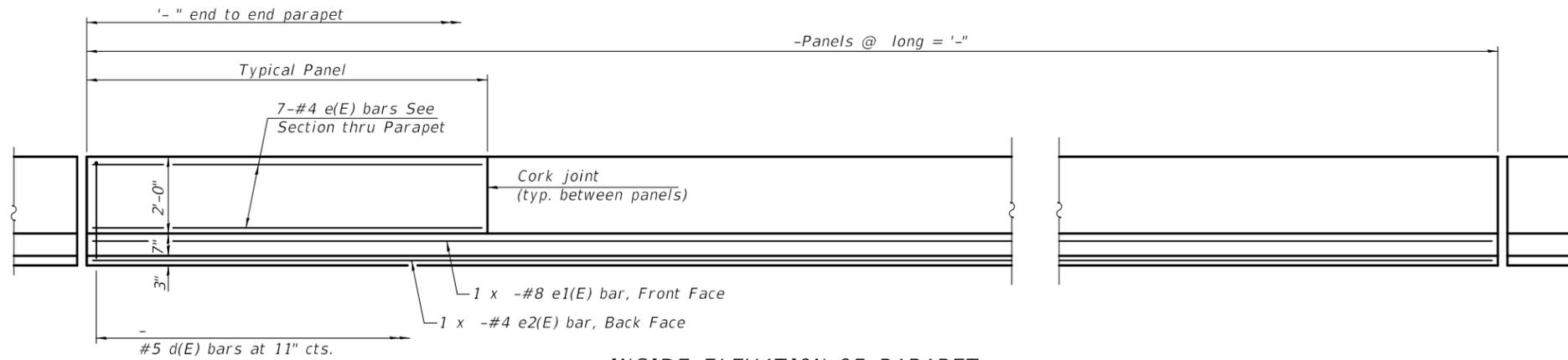
SDE-IL4554-2 2-17-2017

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

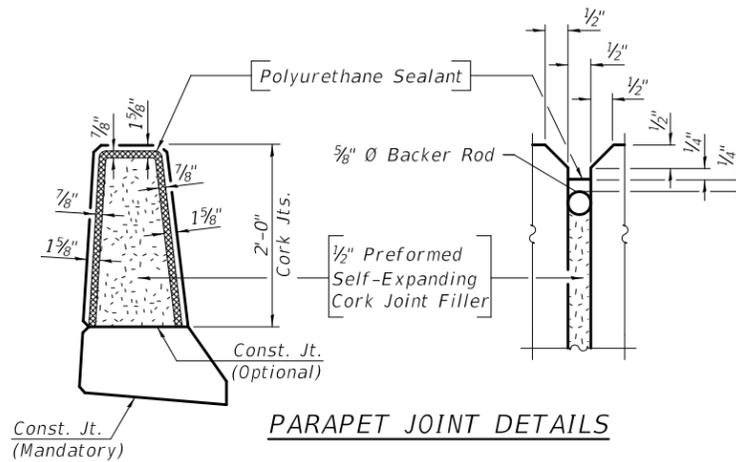
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



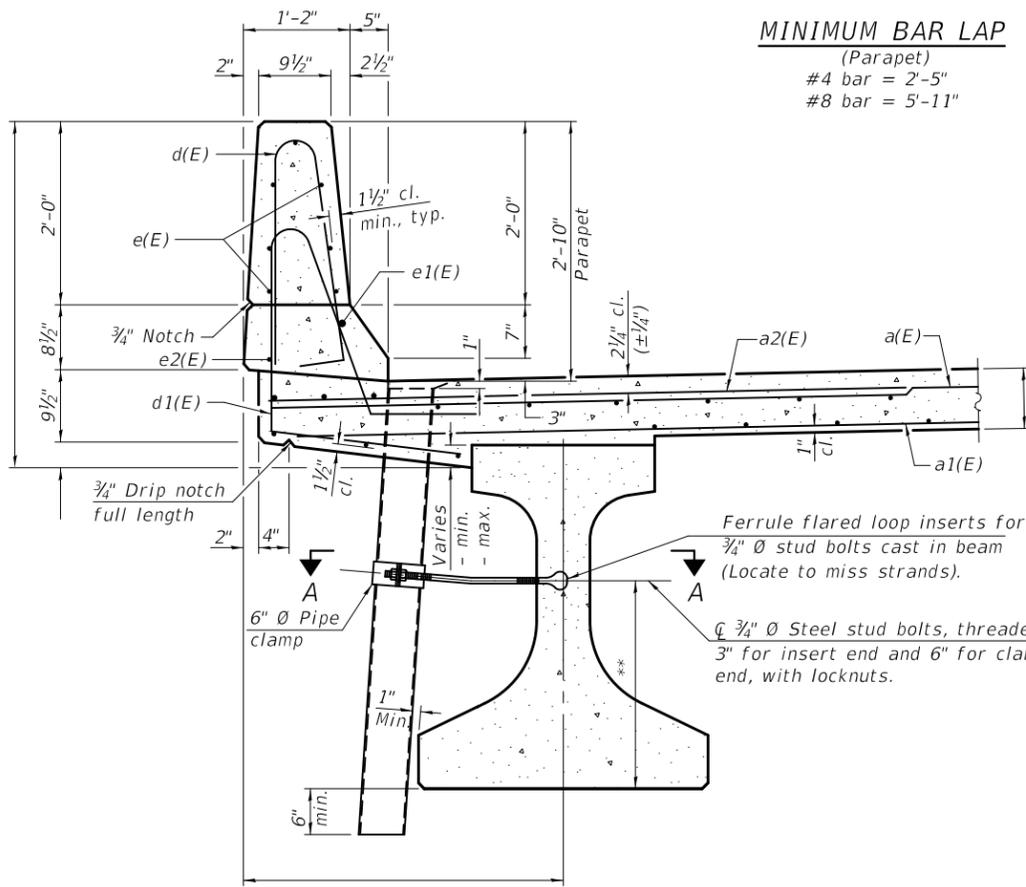
INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

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



PARAPET JOINT DETAILS

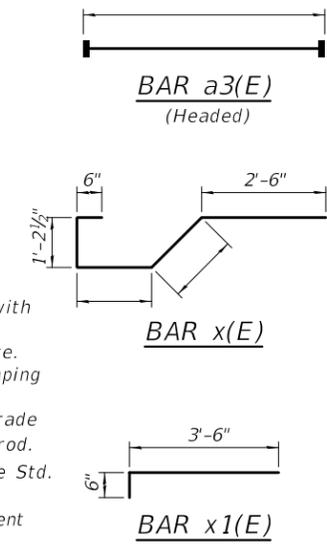


SECTION THRU PARAPET

**For insert locations See sheet of

Notes:

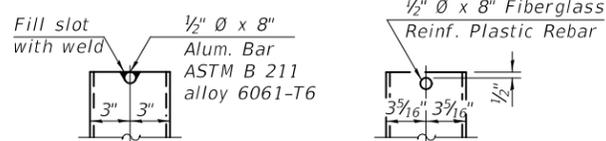
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall 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 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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



SUPERSTRUCTURE BILL OF MATERIAL

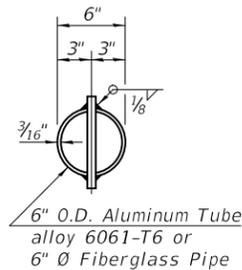
Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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



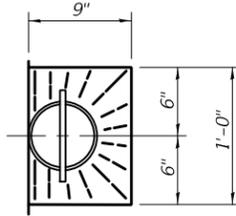
ALUMINUM TUBE

FIBERGLASS PIPE



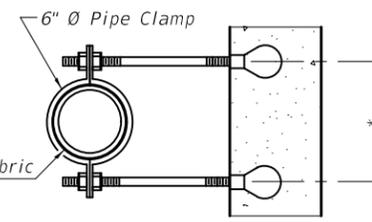
TOP PLAN

(Showing Aluminum Tube)



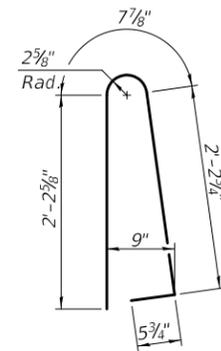
TOP PLAN

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

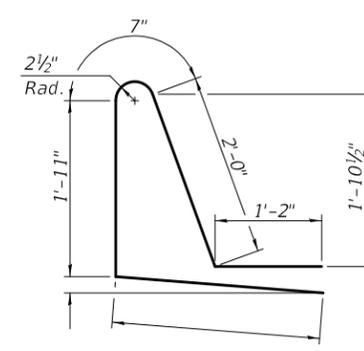


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



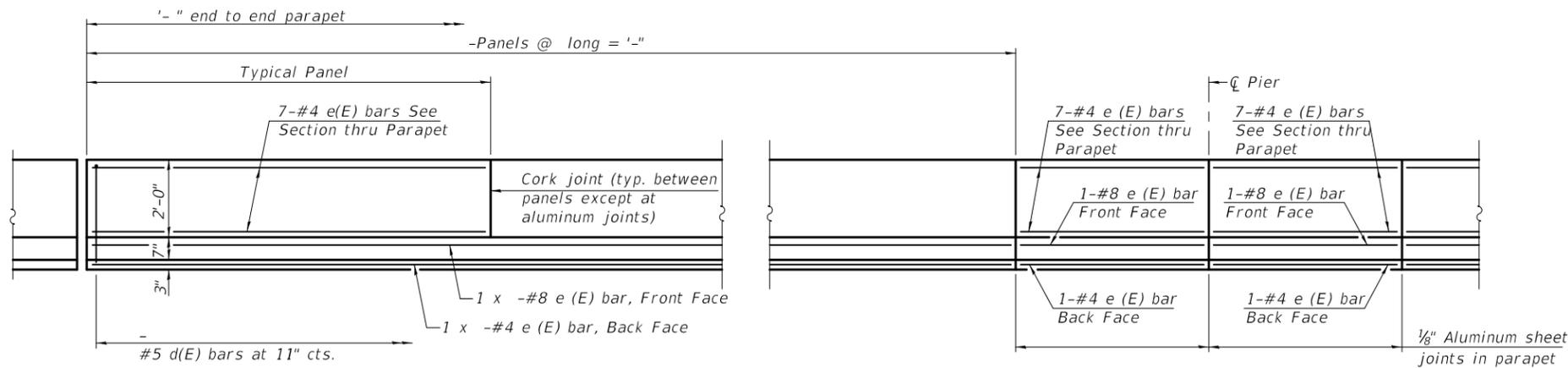
BAR d1(E)

SDE-IL4554N-1 2-17-2017

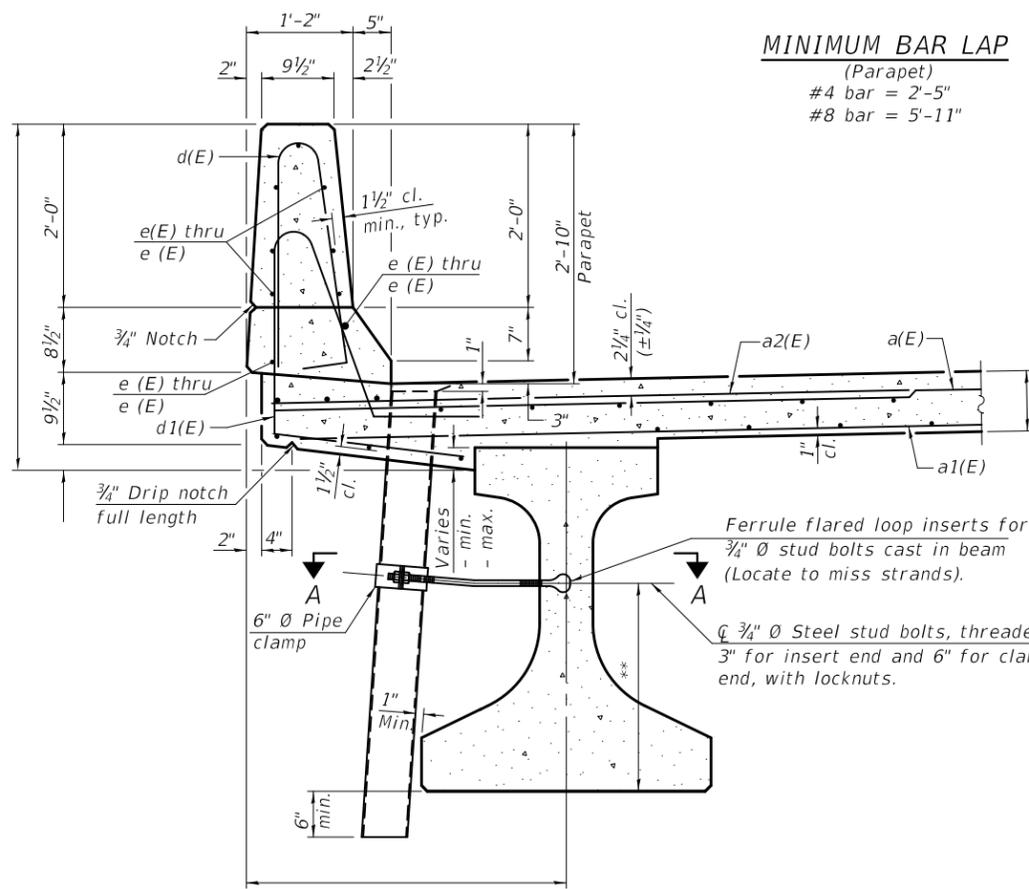
FILE NAME =	USER NAME =	DESIGNED -	REvised -
		CHECKED -	REvised -
		DRAWN -	REvised -
		CHECKED -	REvised -

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

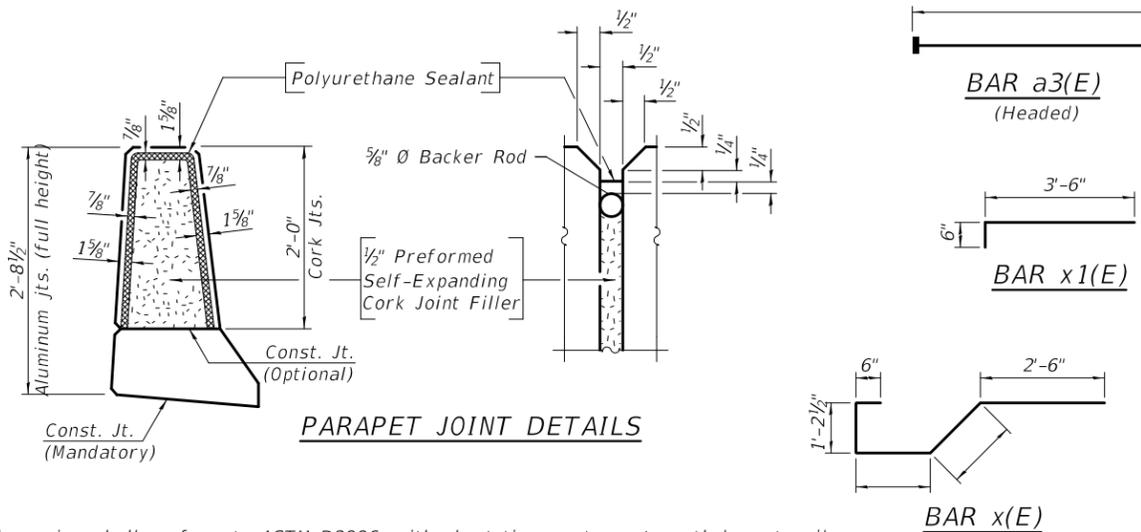


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

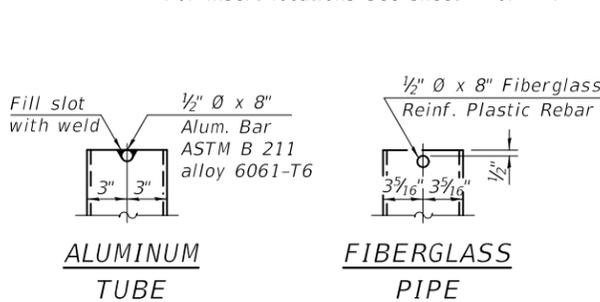
(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

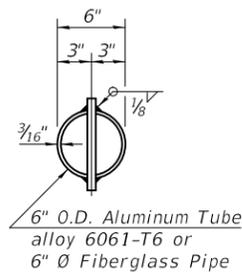
Notes:

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.
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Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



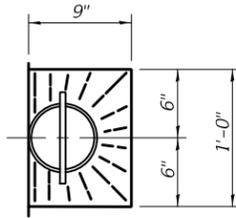
ALUMINUM TUBE

FIBERGLASS PIPE

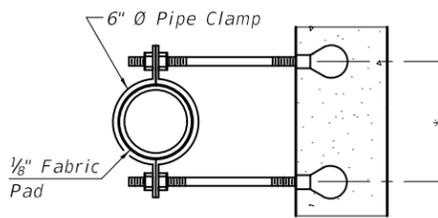


TOP PLAN

(Showing Aluminum Tube)

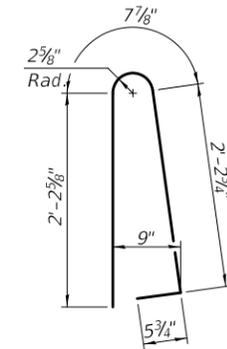


TOP PLAN

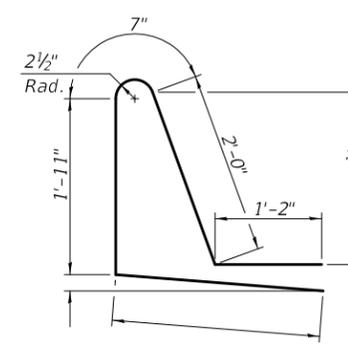


SECTION A-A

*Dimension as required by Pipe Clamp



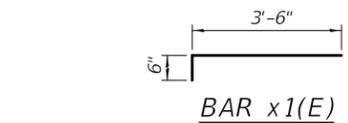
BAR d(E)



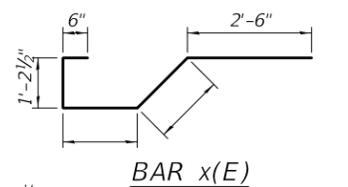
BAR d1(E)



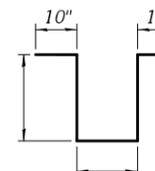
BAR a3(E)
(Headed)



BAR x1(E)



BAR x(E)



BAR s20(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)				—
b2(E)		#5		—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s20(E)		#5		⌋
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
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.

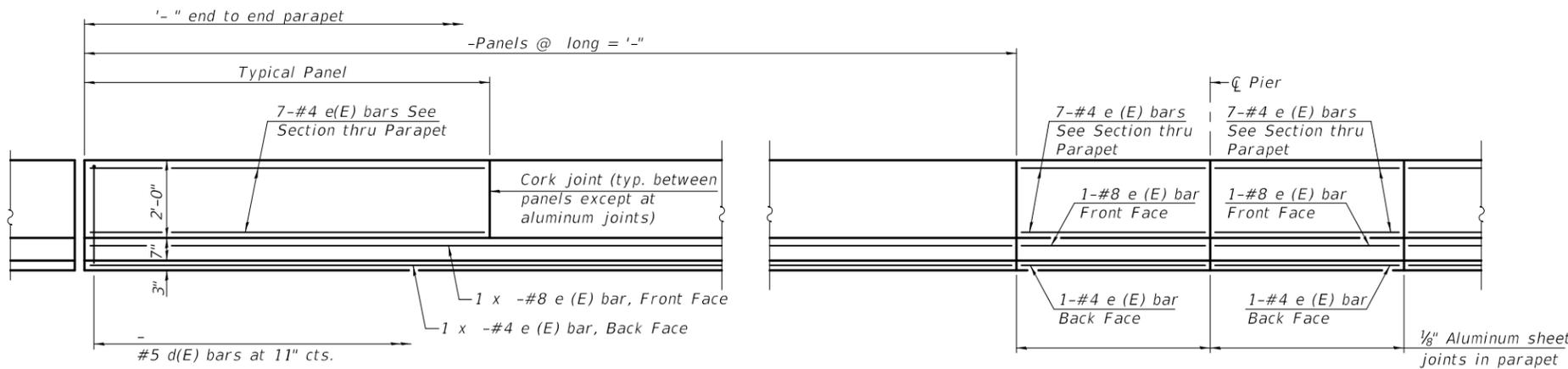
SDE-IL4554N-2 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISD -
		CHECKED -	REVISD -
		DRAWN -	REVISD -
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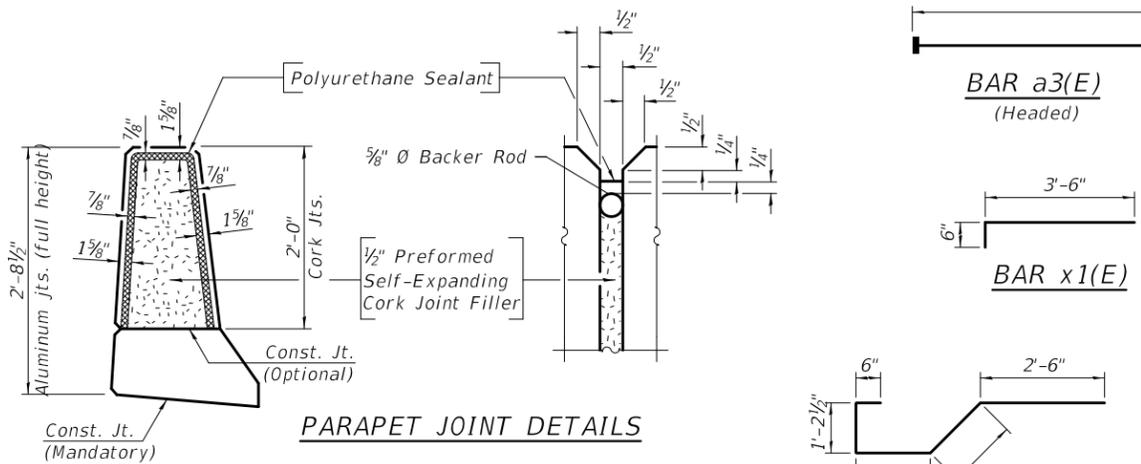
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET



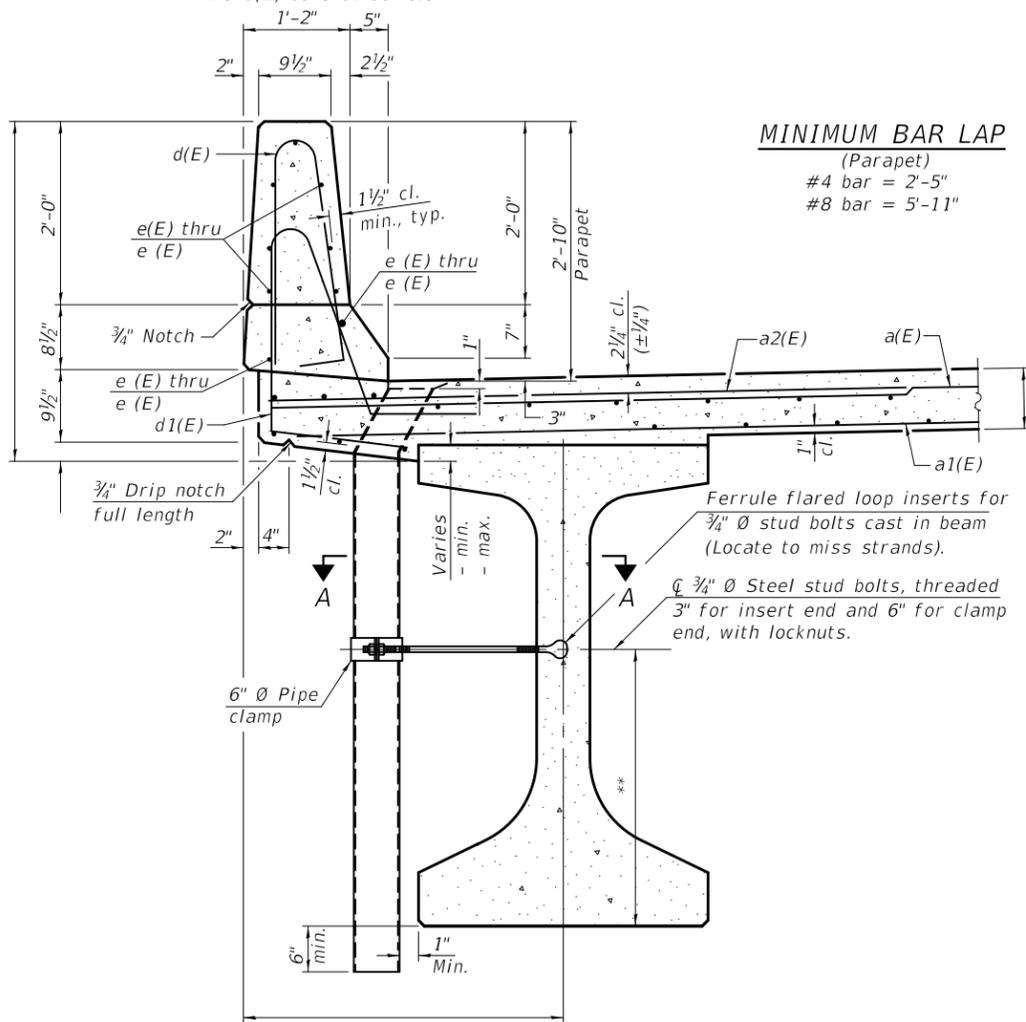
PARAPET JOINT DETAILS

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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SUPERSTRUCTURE
 BILL OF MATERIAL

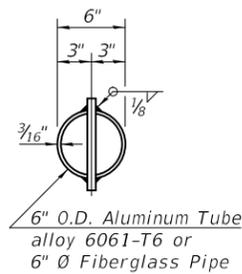
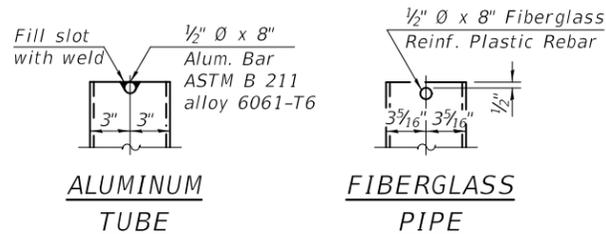
Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)				—
b2(E)		#5		—
d(E)		#5	5'-7"	⏏
d1(E)		#5		⏏
e(E)		#4		—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s20(E)		#5		⏏
x(E)		#5		⏏
x1(E)		#5	4'-0"	⏏
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

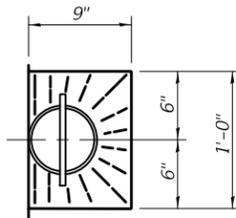


SECTION THRU PARAPET

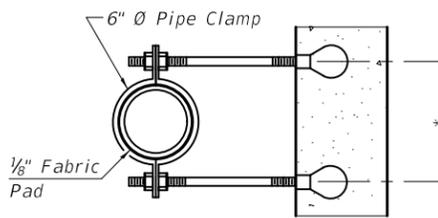
**For insert locations See sheet of



TOP PLAN (Showing Aluminum Tube)

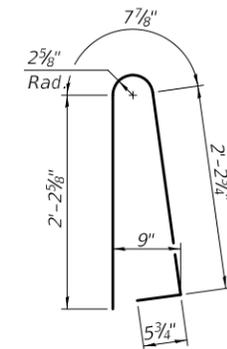


TOP PLAN

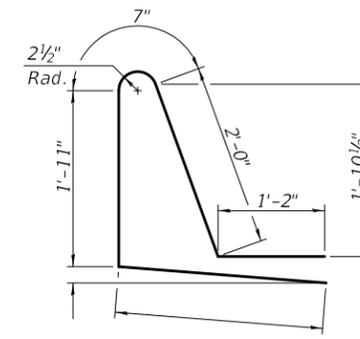


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

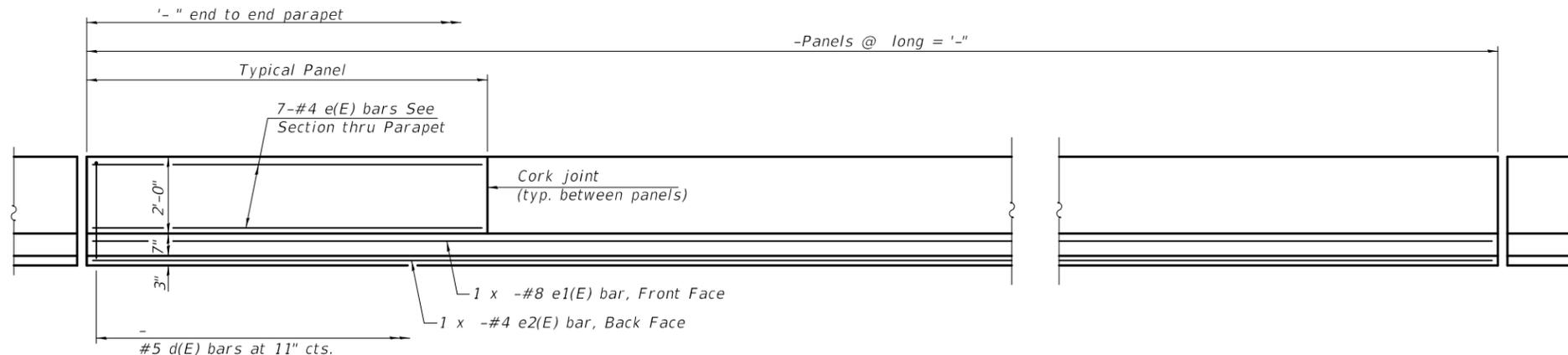
SDE-IL6372-2 2-17-2017

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

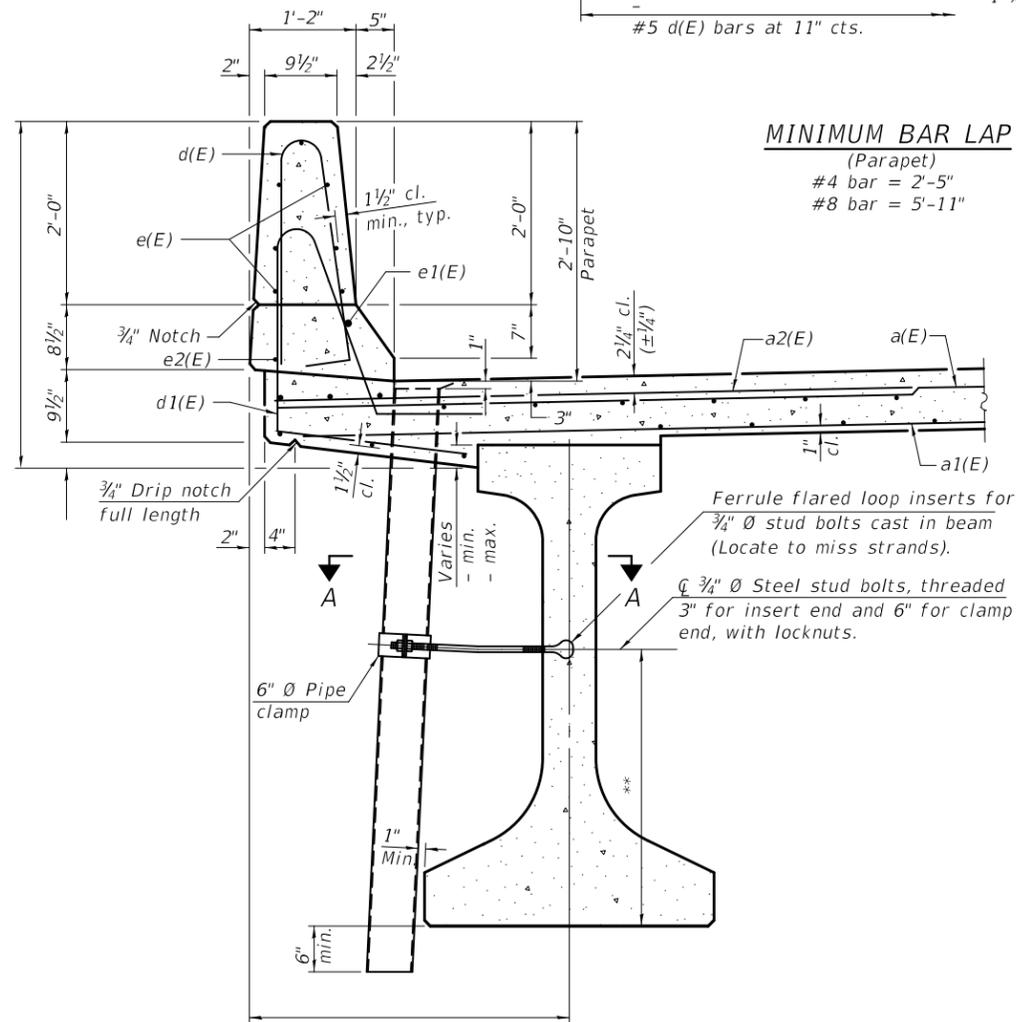
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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

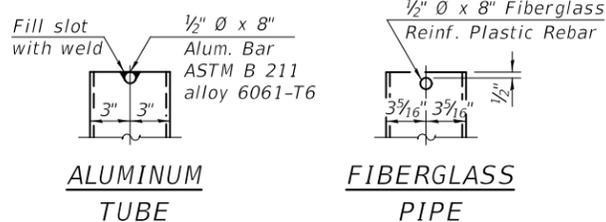


INSIDE ELEVATION OF PARAPET



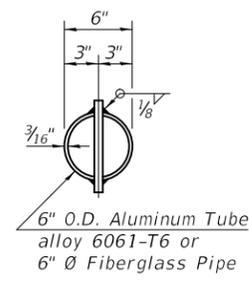
SECTION THRU PARAPET

**For insert locations See sheet of



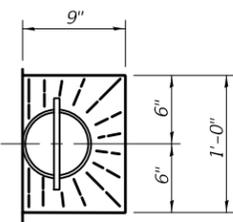
ALUMINUM TUBE

FIBERGLASS PIPE

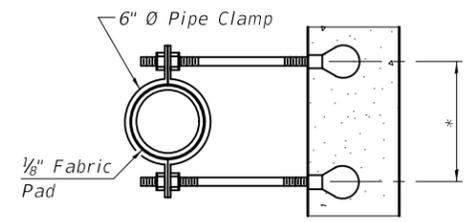


TOP PLAN

(Showing Aluminum Tube)

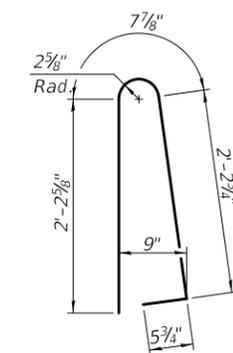


TOP PLAN

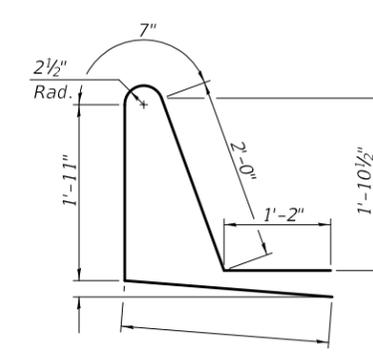


SECTION A-A

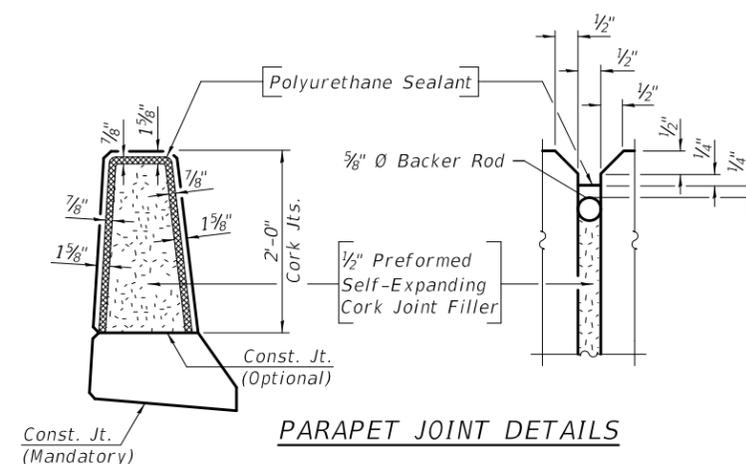
*Dimension as required by Pipe Clamp



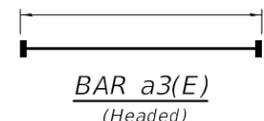
BAR d(E)



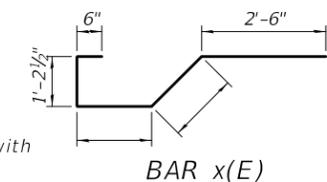
BAR d1(E)



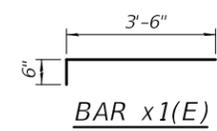
PARAPET JOINT DETAILS



BAR a3(E)
(Headed)



BAR x(E)



BAR x1(E)

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)				—
a4(E)				—
a5(E)				—
b(E)		#5		—
b1(E)		#5		—
b2(E)				—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
x(E)		#5		⌋
x1(E)		#5	4'-0"	⌋
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.

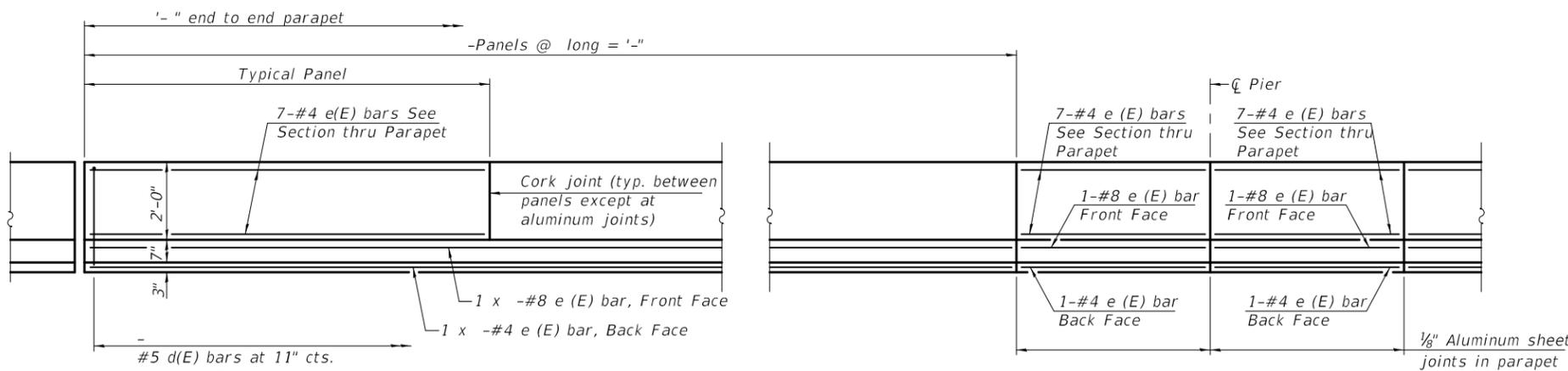
SDE-IL6372N-1 2-17-2017

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

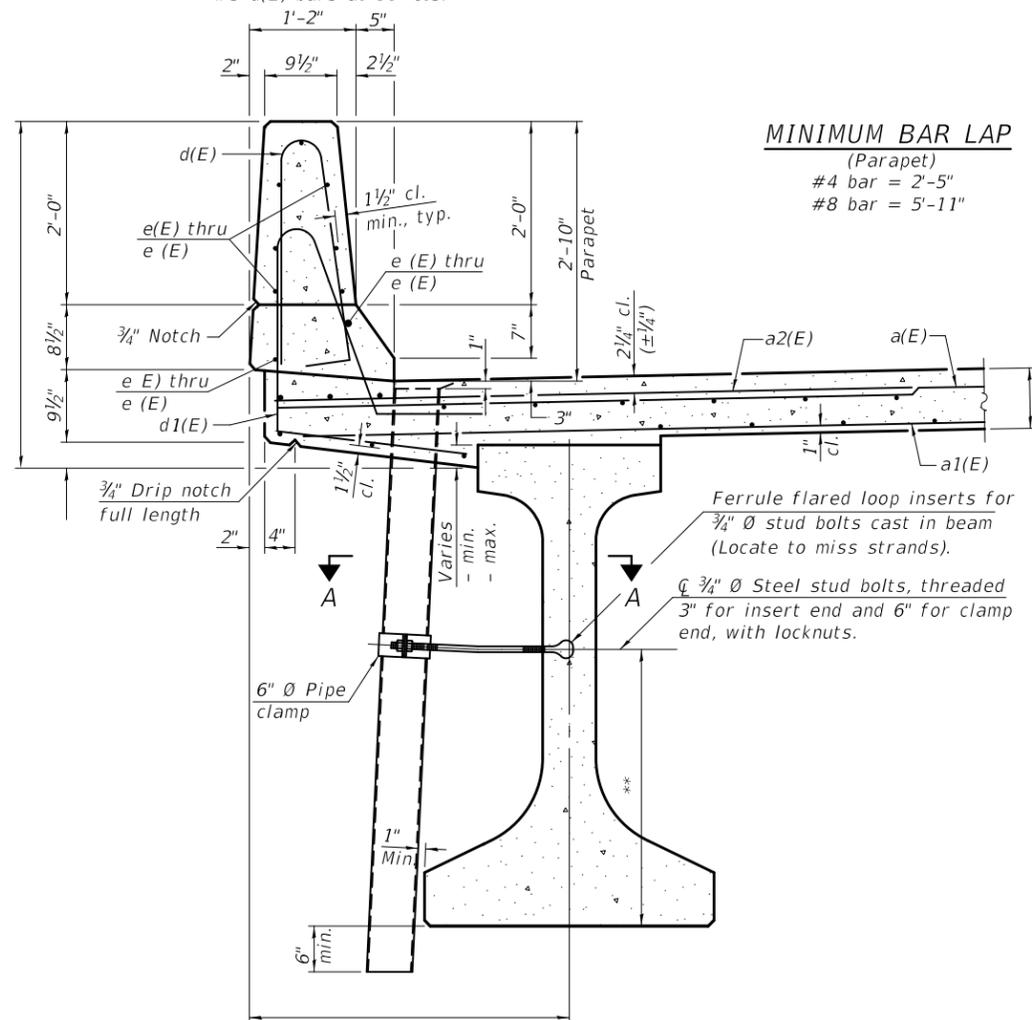
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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

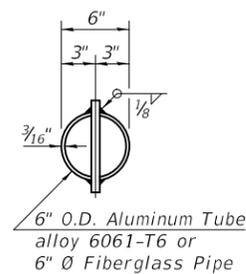
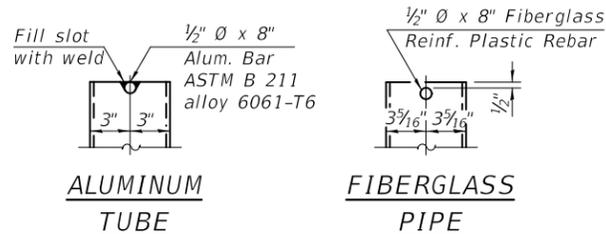


INSIDE ELEVATION OF PARAPET

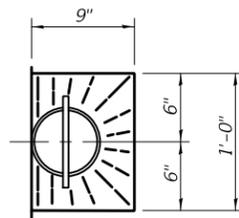


SECTION THRU PARAPET

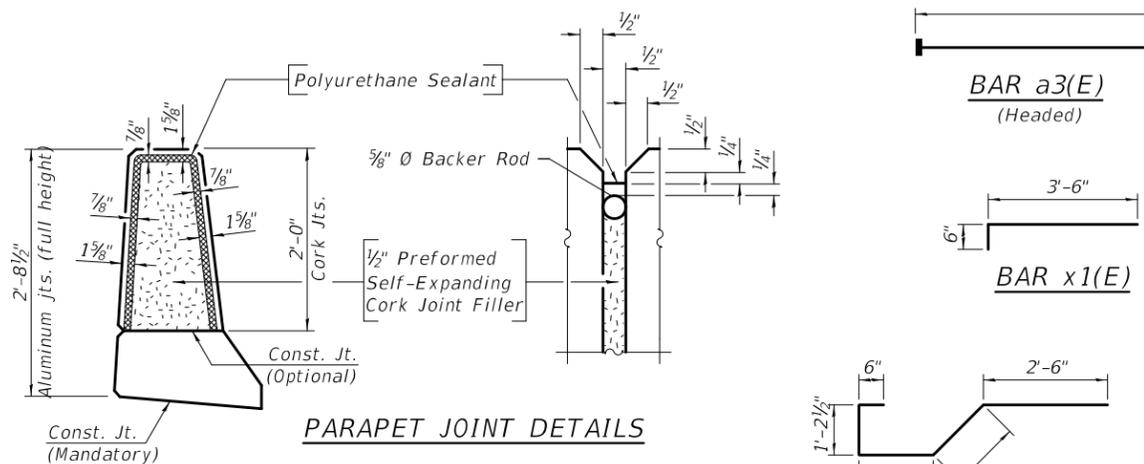
**For insert locations See sheet of



TOP PLAN (Showing Aluminum Tube)

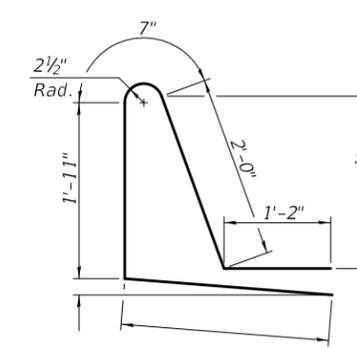
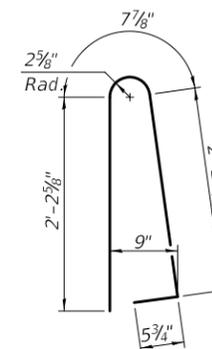
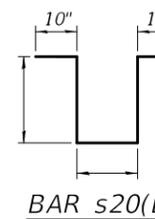
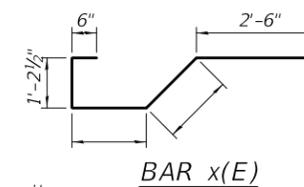
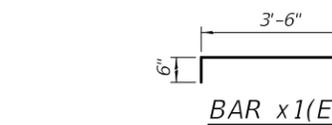


TOP PLAN



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 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. 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)				
a4(E)				
a5(E)				
b(E)		#5		
b1(E)				
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s20(E)		#5		
x(E)		#5		
x1(E)		#5	4'-0"	
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.

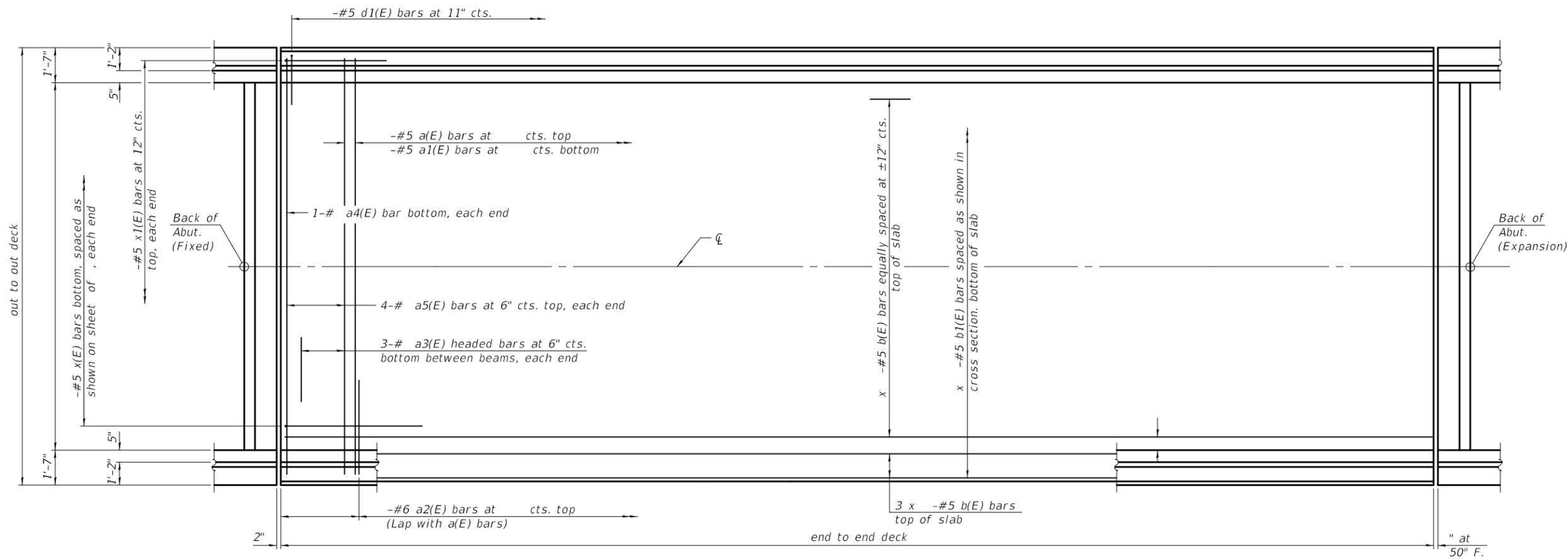
SDE-IL6372N-2 2-17-2017

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				

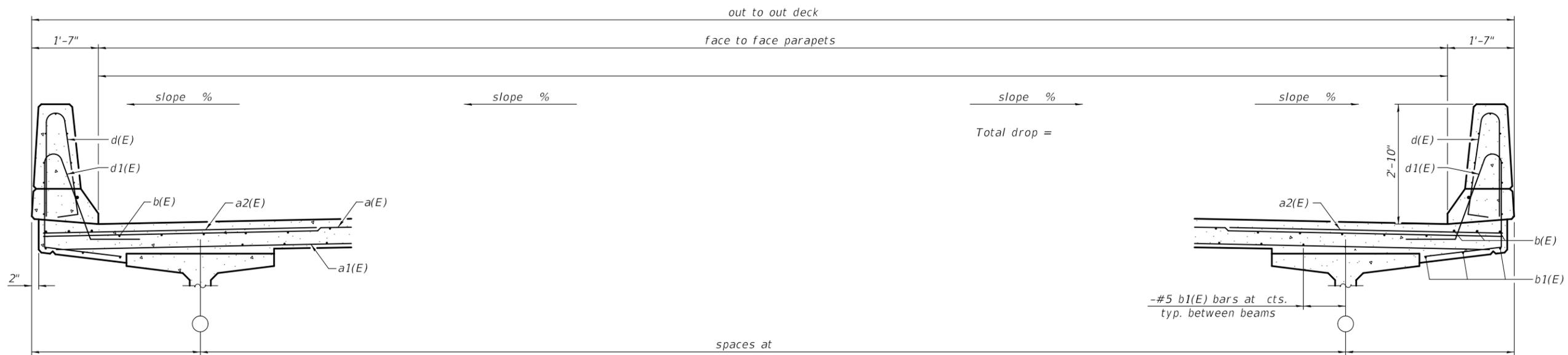


PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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)

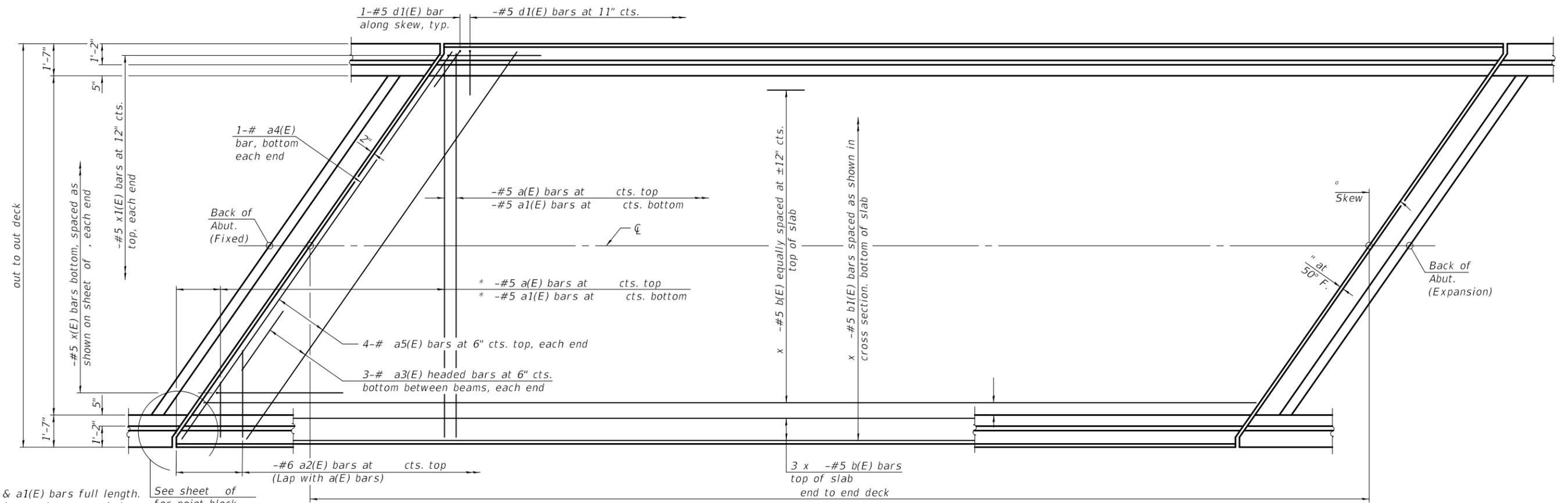
SE-BT6372-1-0 2-17-2017

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



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

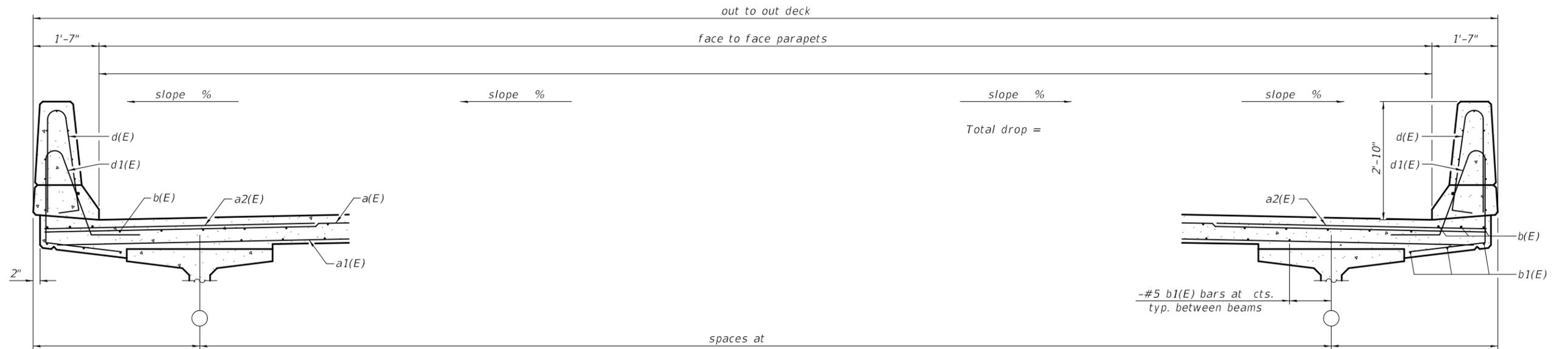
See sheet of for point block details, typ.

MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

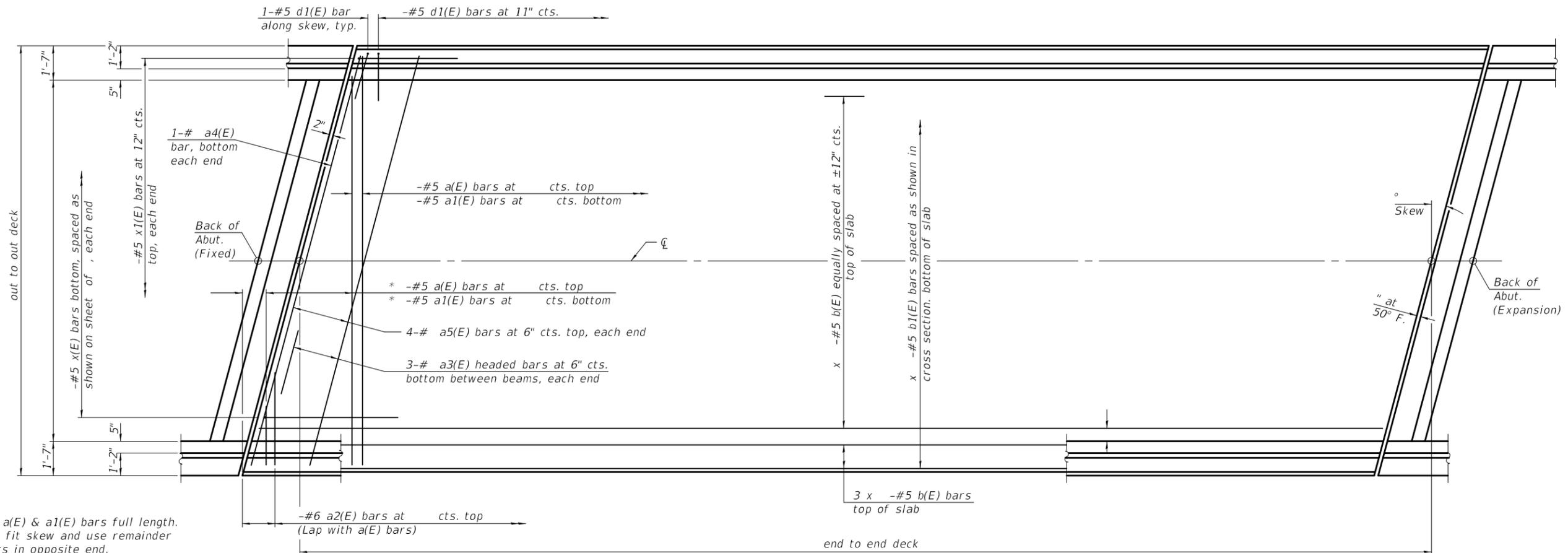
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-BT6372-1-L(>30°) 2-17-2017

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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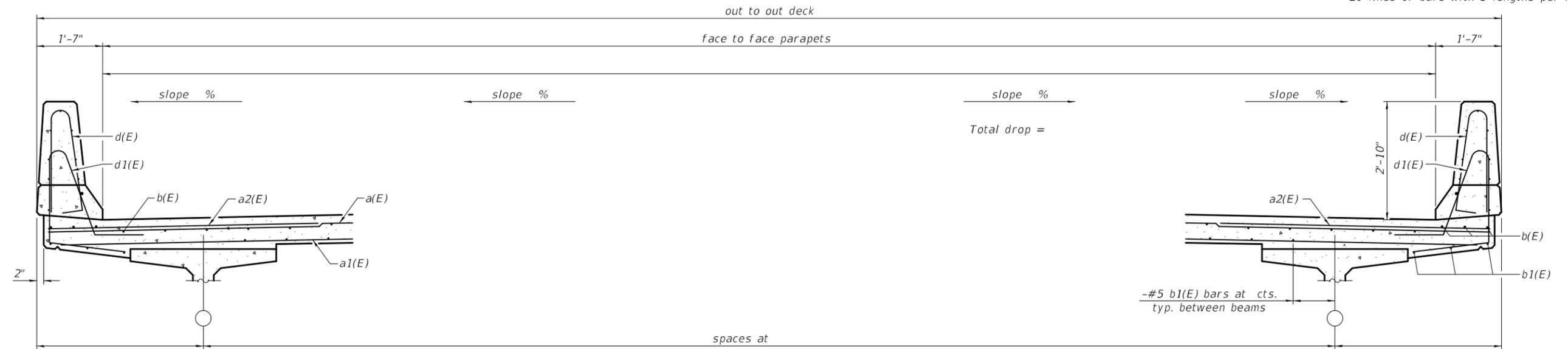


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

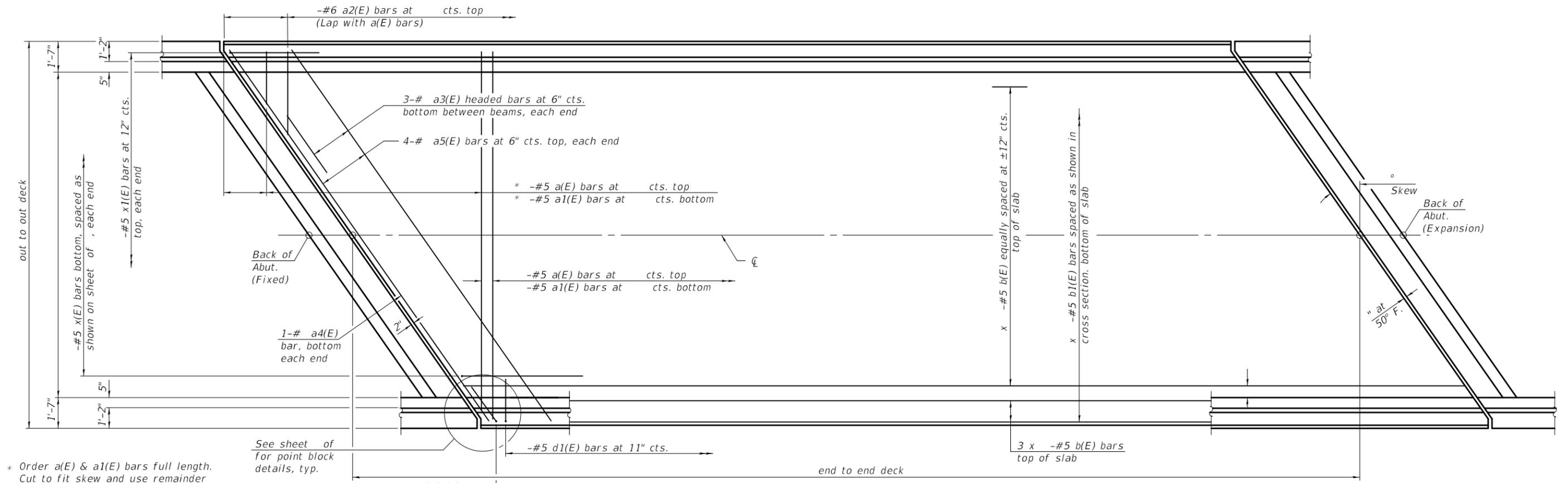
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-BT6372-1-L($\leq 30^\circ$) 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISER -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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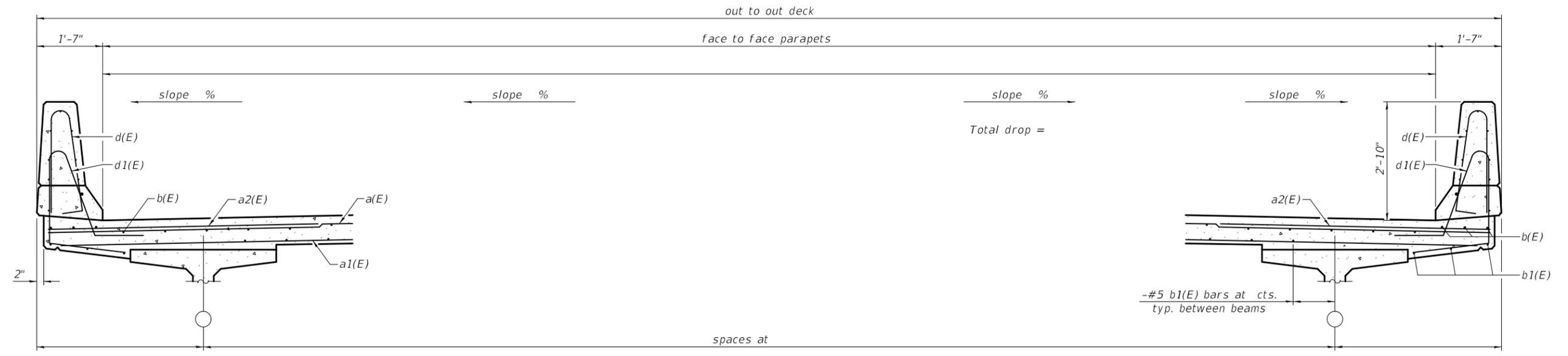
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

See sheet of for point block details, typ.

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.

MINIMUM BAR LAP
#5 bar = 3'-6"

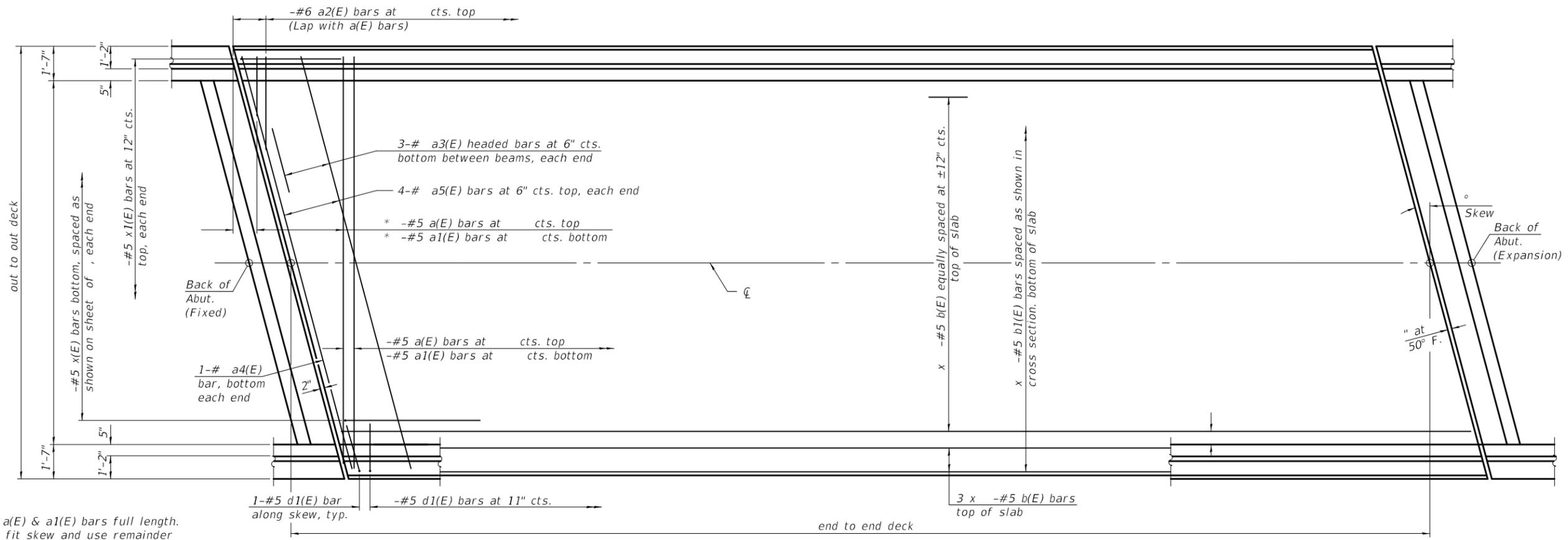
PLAN



CROSS SECTION
(Looking)

SE-BT6372-1-R(>30°) 2-17-2017

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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		CHECKED -	REVISD -								

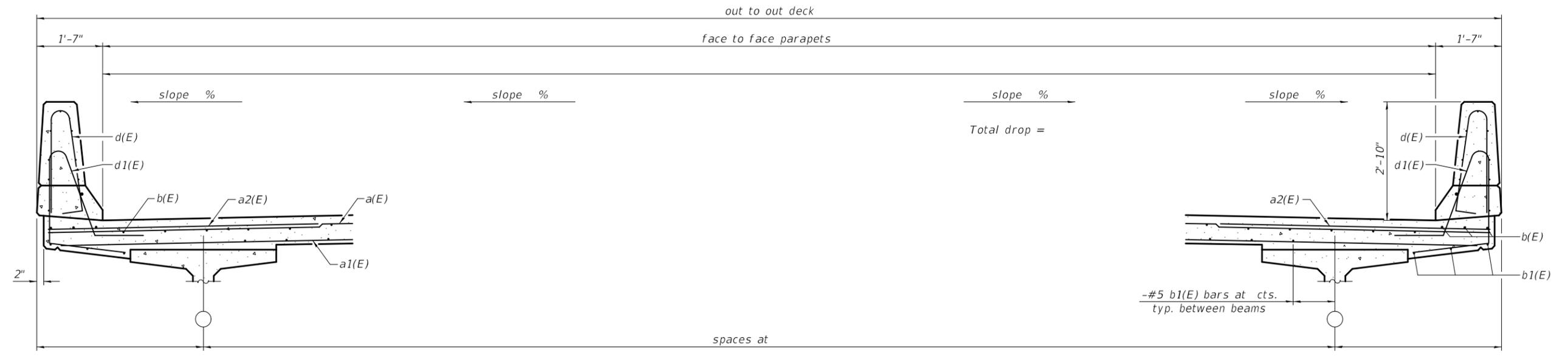


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

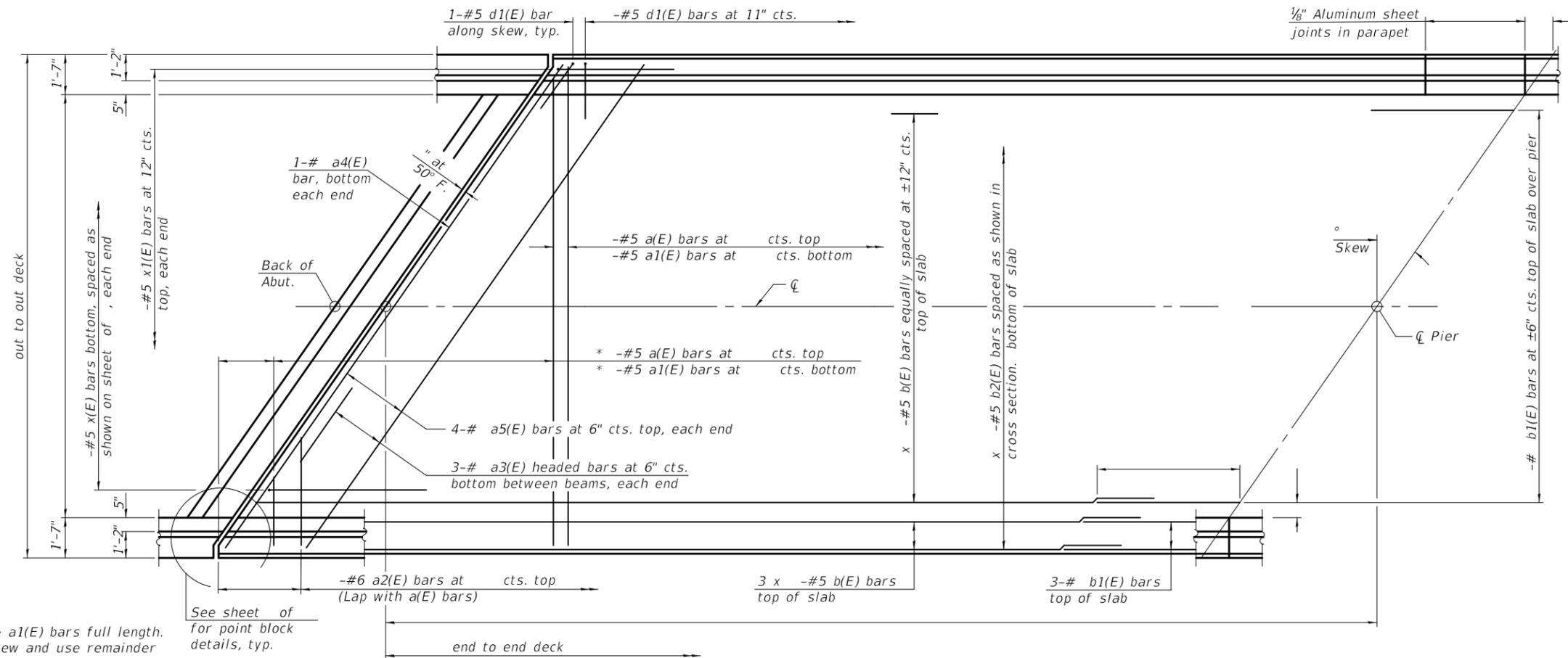
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-BT6372-1-R(≤30°) 2-17-2017

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

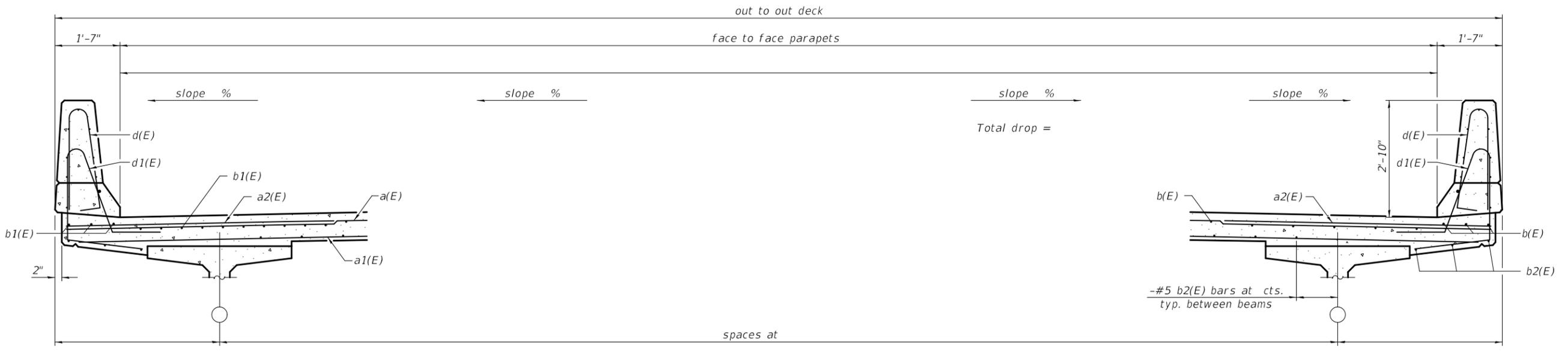
See sheet of for point block details, typ.

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.

MINIMUM BAR LAP

#5 bar = 3'-6"



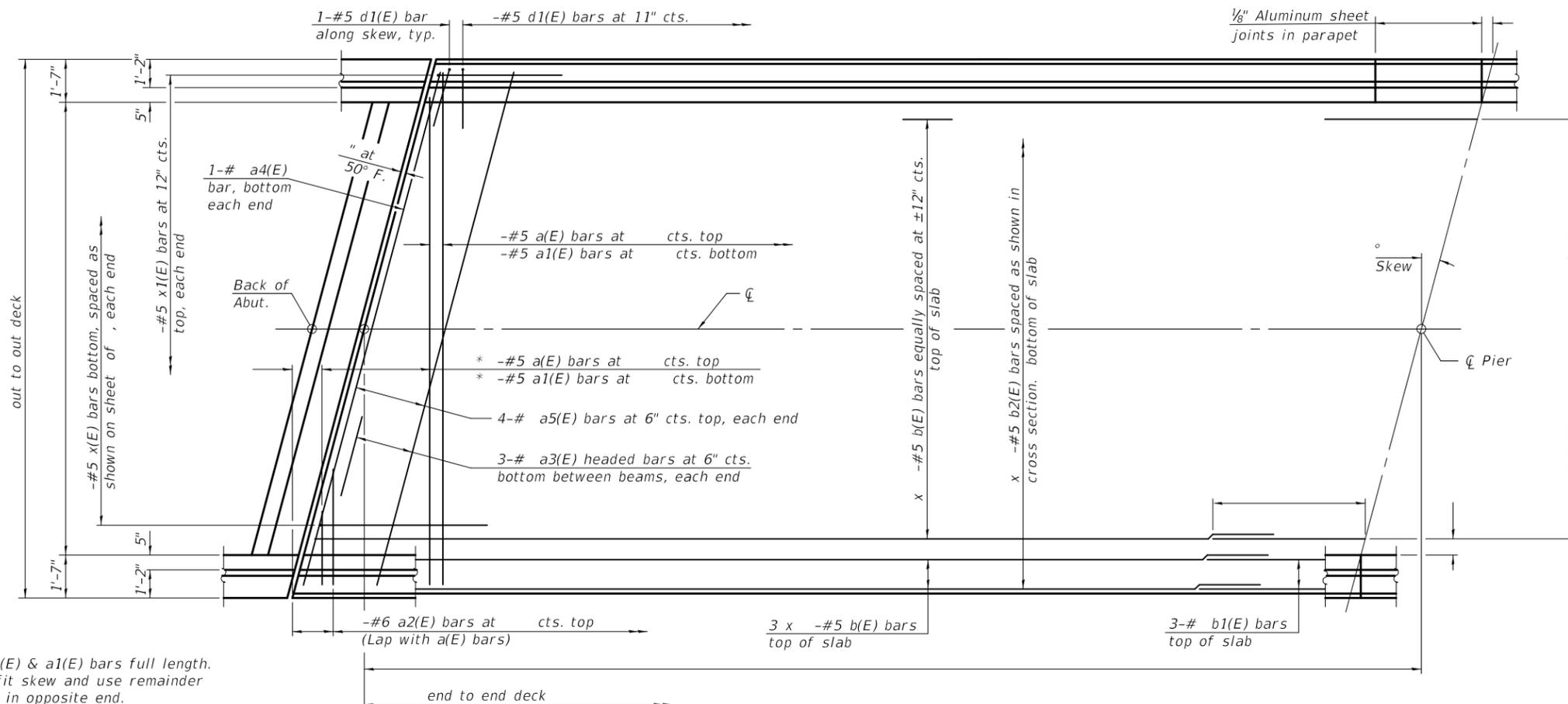
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-BT6372-2-L(>30°) 2-17-2017

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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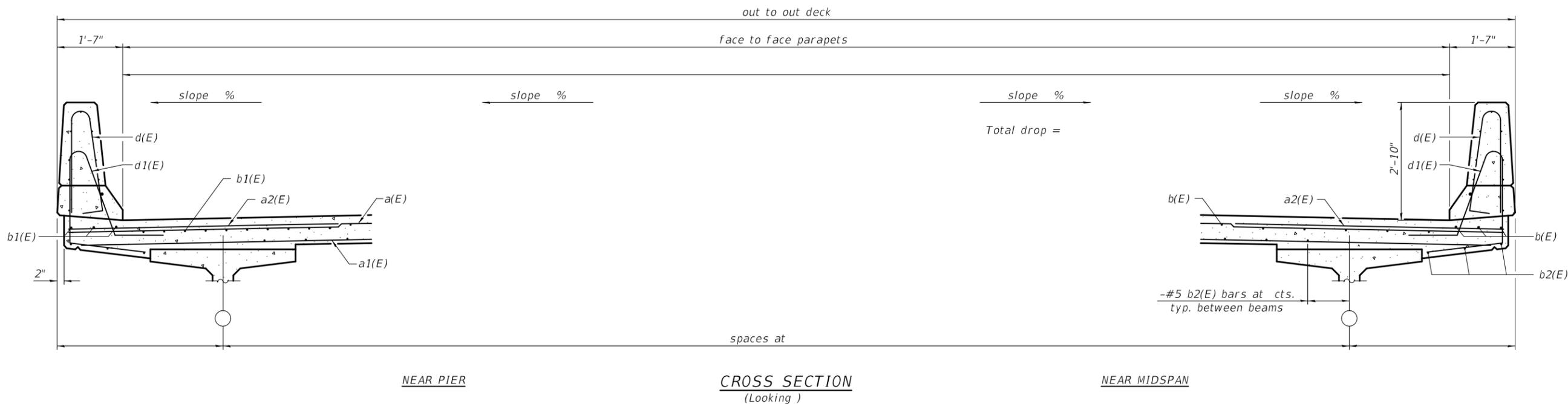


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

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.



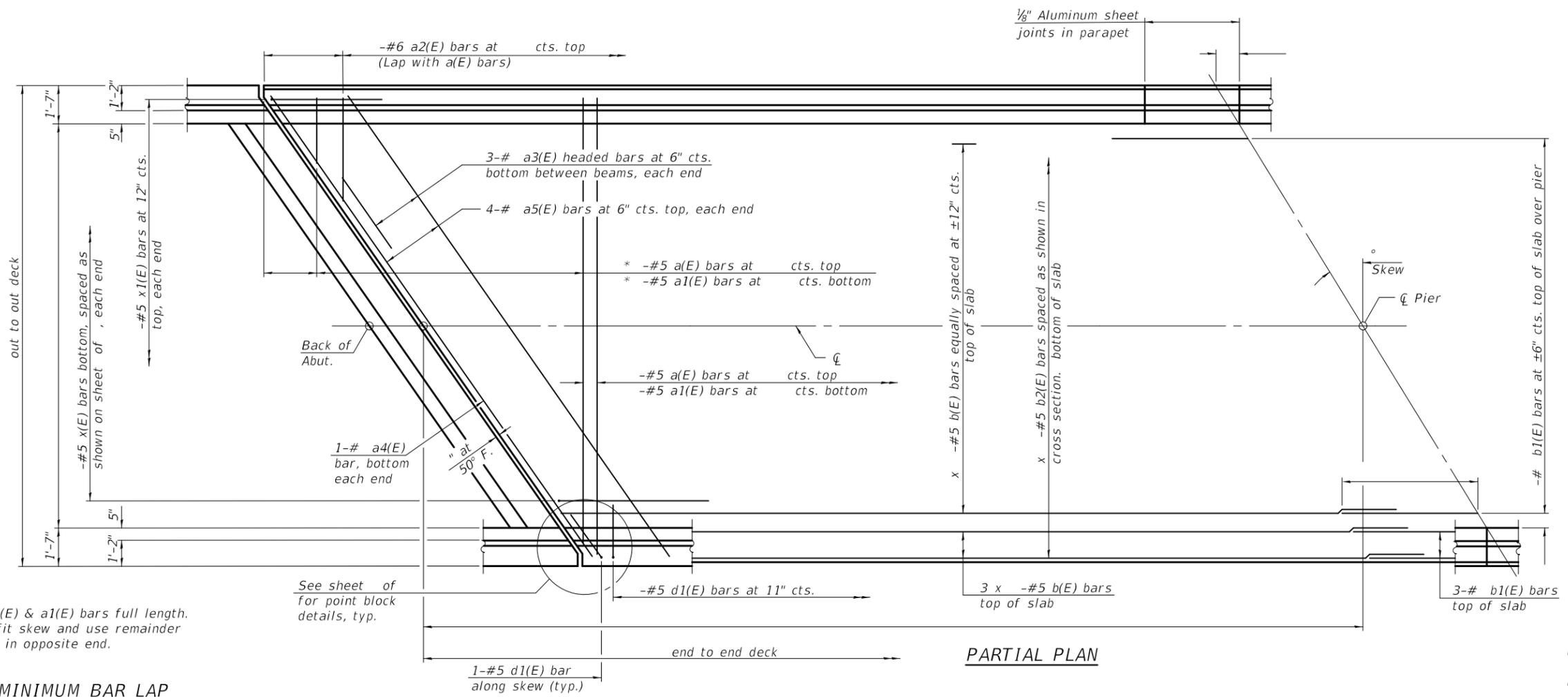
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-BT6372-2-L($\leq 30^\circ$) 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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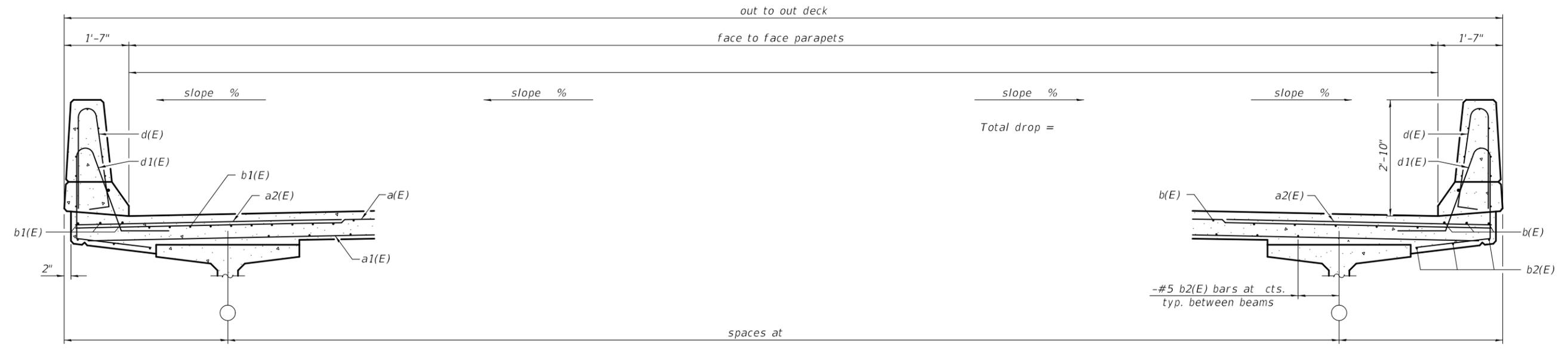
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

See sheet of for point block details, typ.

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.



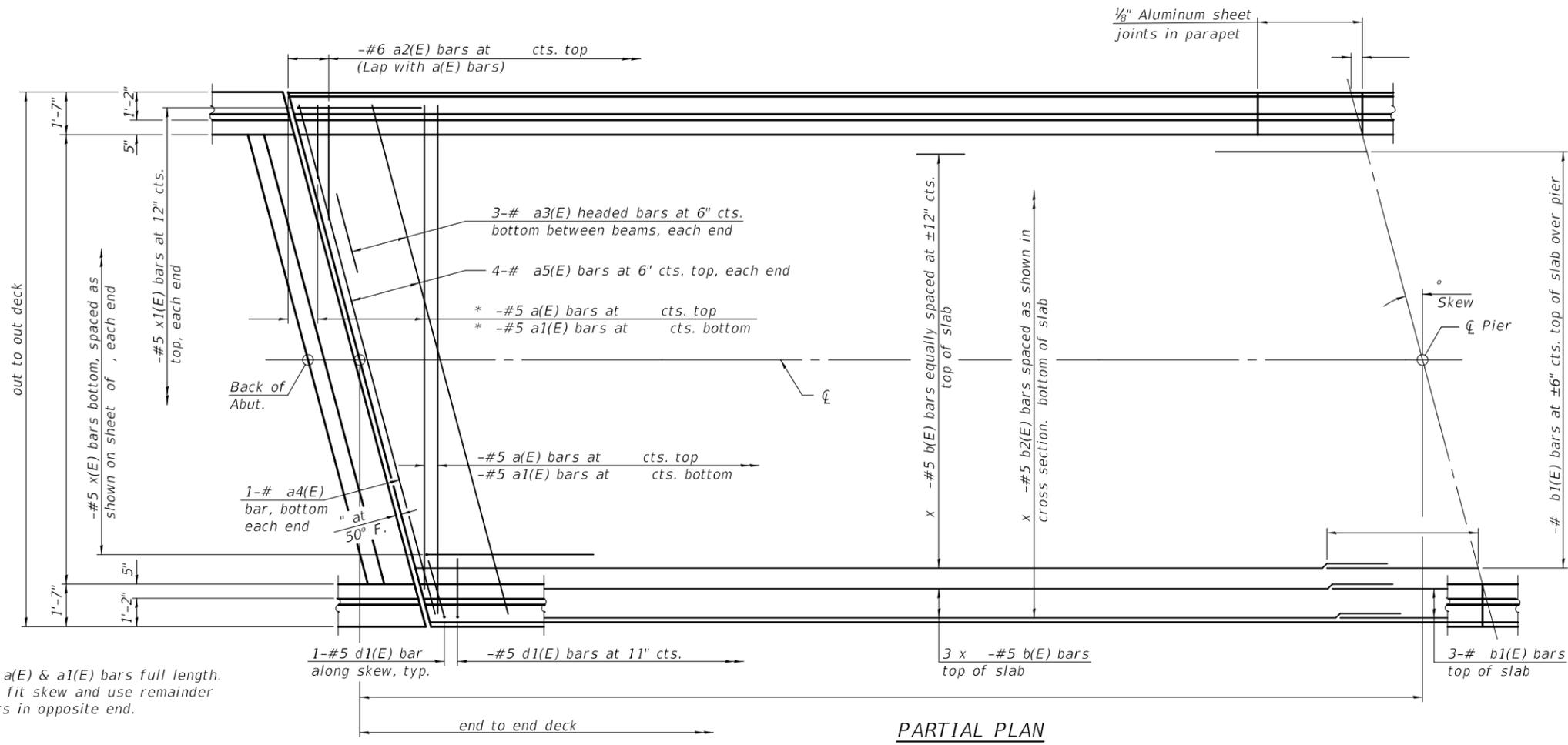
NEAR PIER

CROSS SECTION
(Looking at)

NEAR MIDSPAN

SE-BT6372-2-R(>30°) 2-17-2017

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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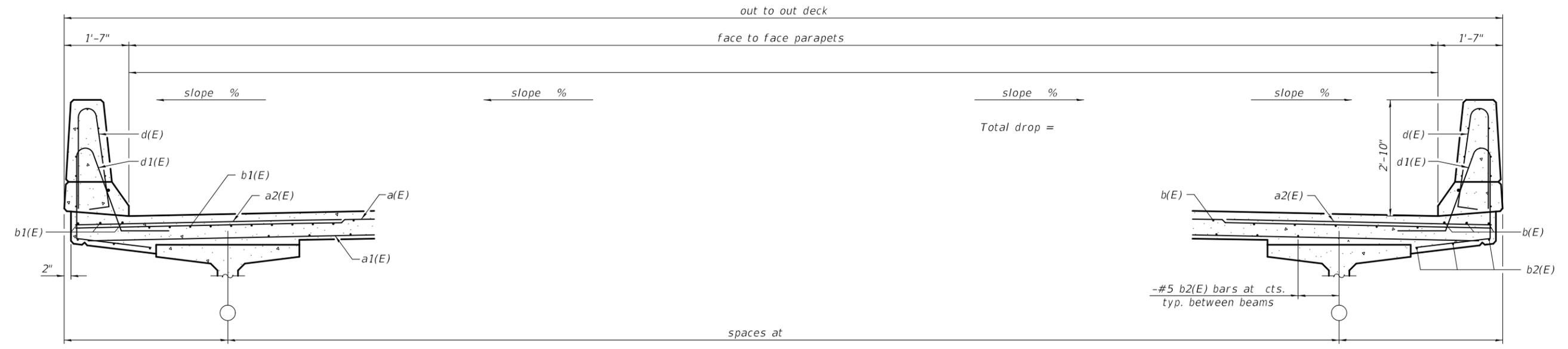


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

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.



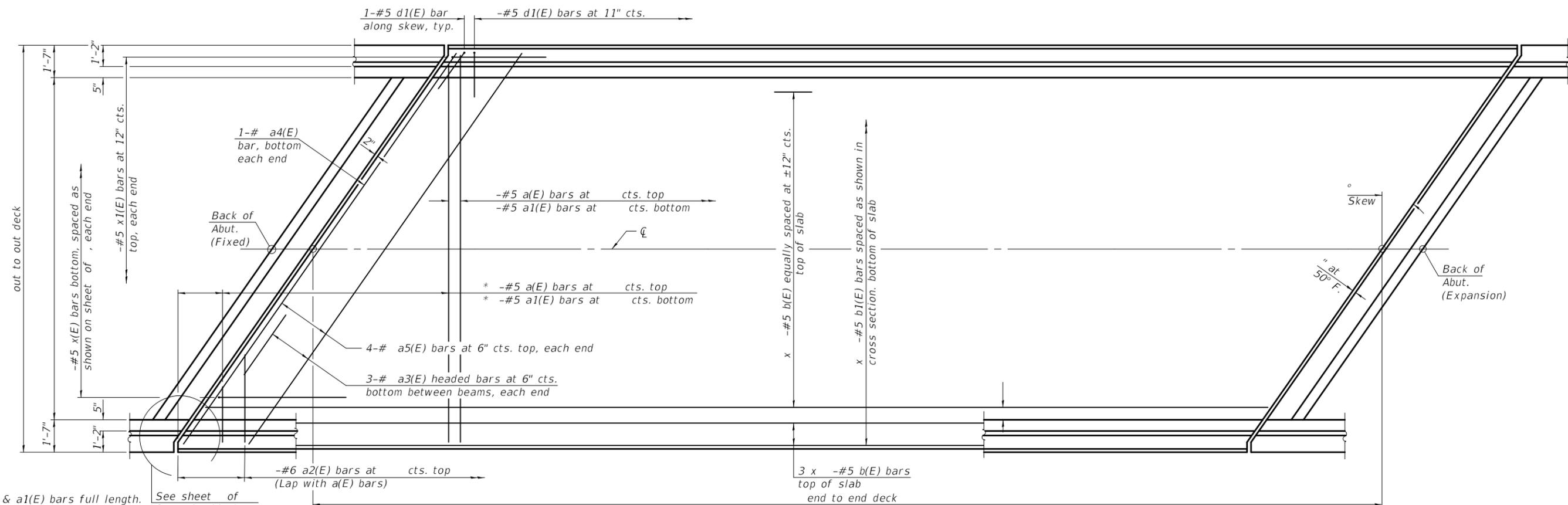
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-BT6372-2-R(≤30°) 2-17-2017

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

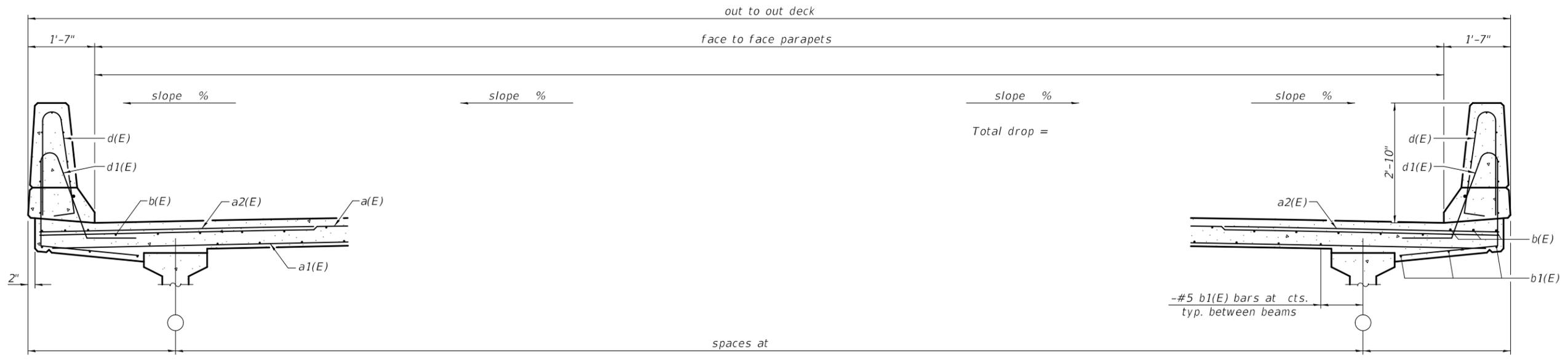
See sheet of for point block details, typ.

MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

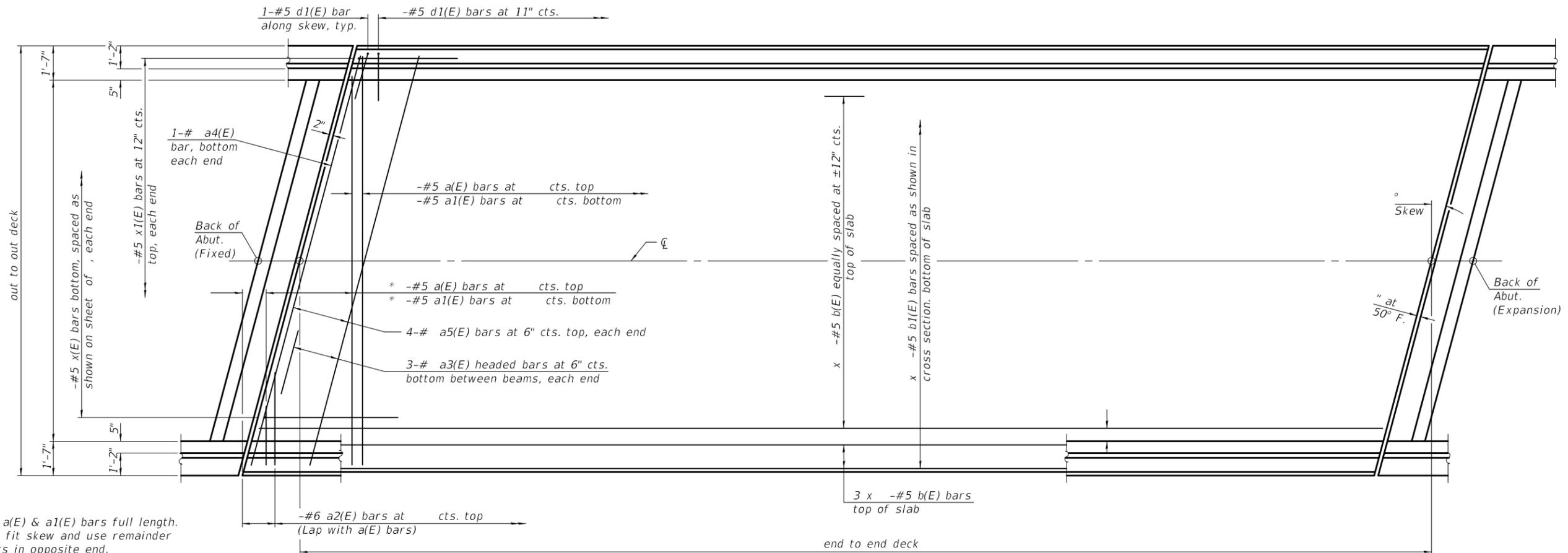
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-13654-1-L(>30°) 2-17-2017

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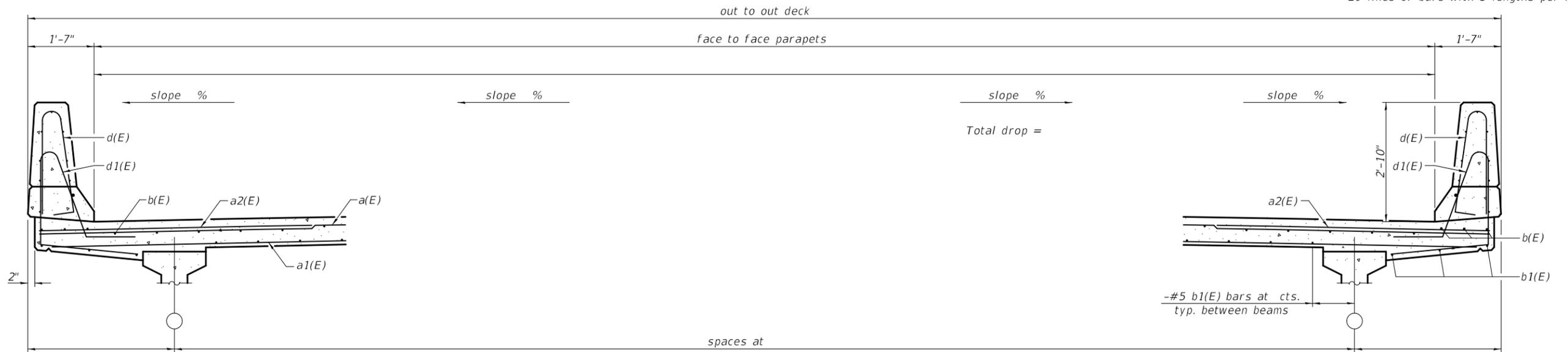


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

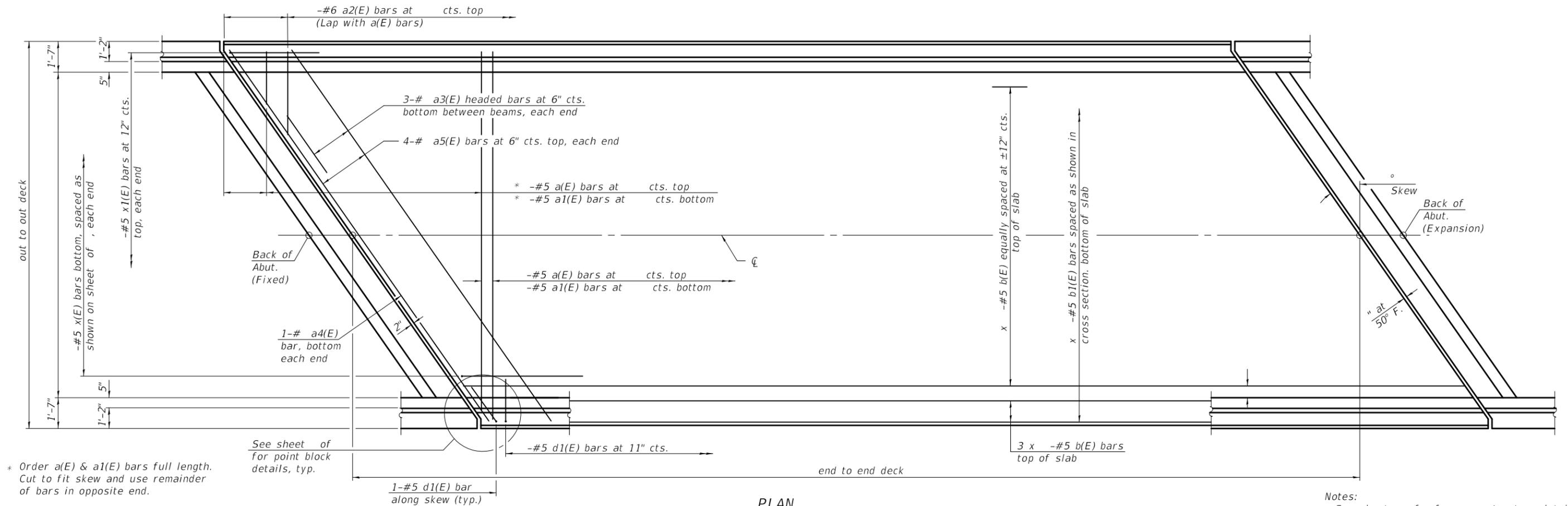
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-13654-1-L(≤30°) 2-17-2017

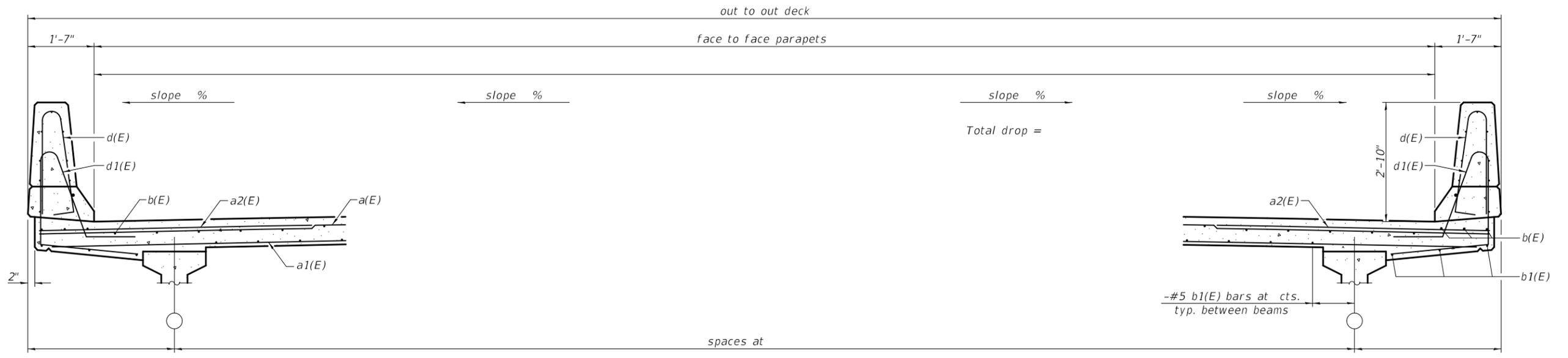
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		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
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PLAN

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.

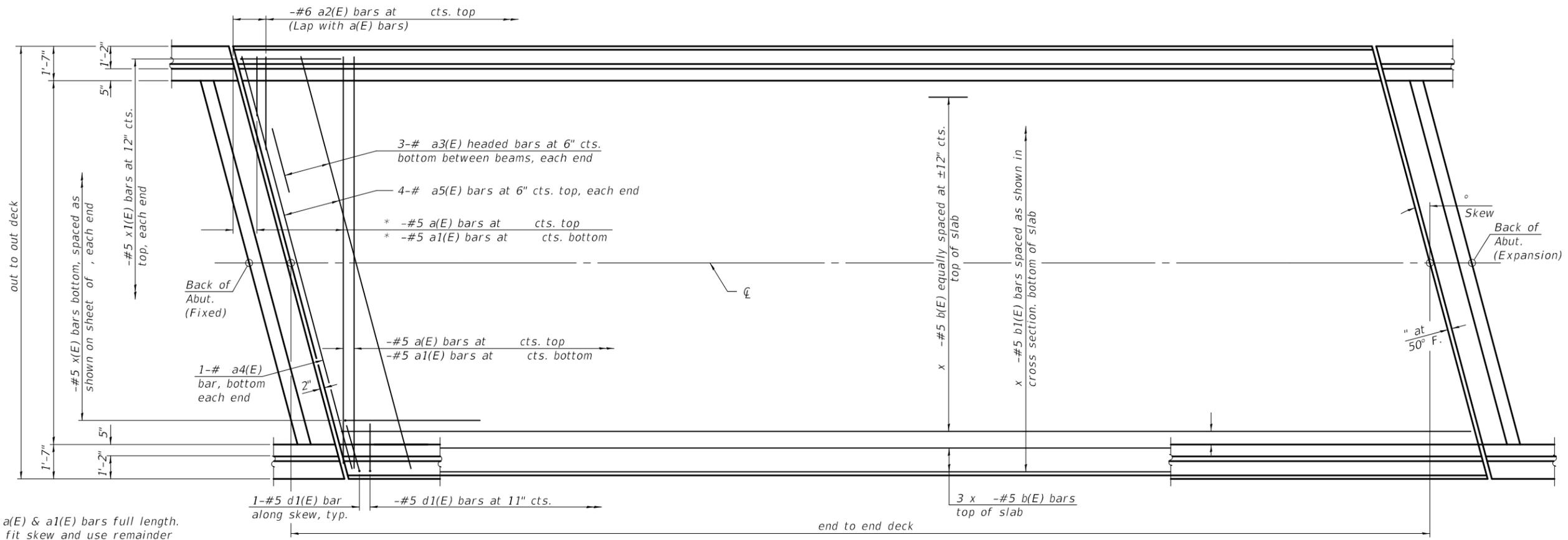
MINIMUM BAR LAP
#5 bar = 3'-6"



CROSS SECTION
(Looking)

SE-13654-1-R(>30°) 2-17-2017

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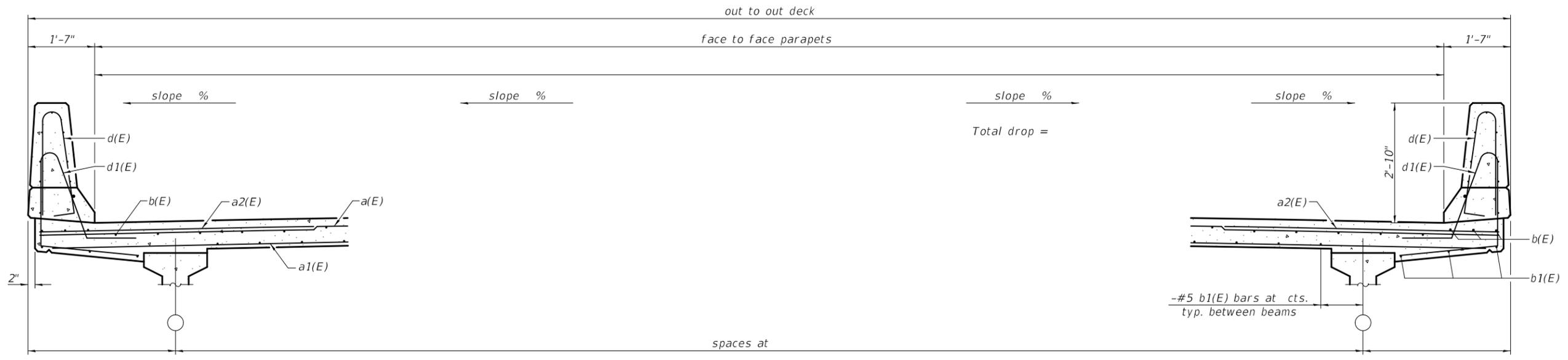


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

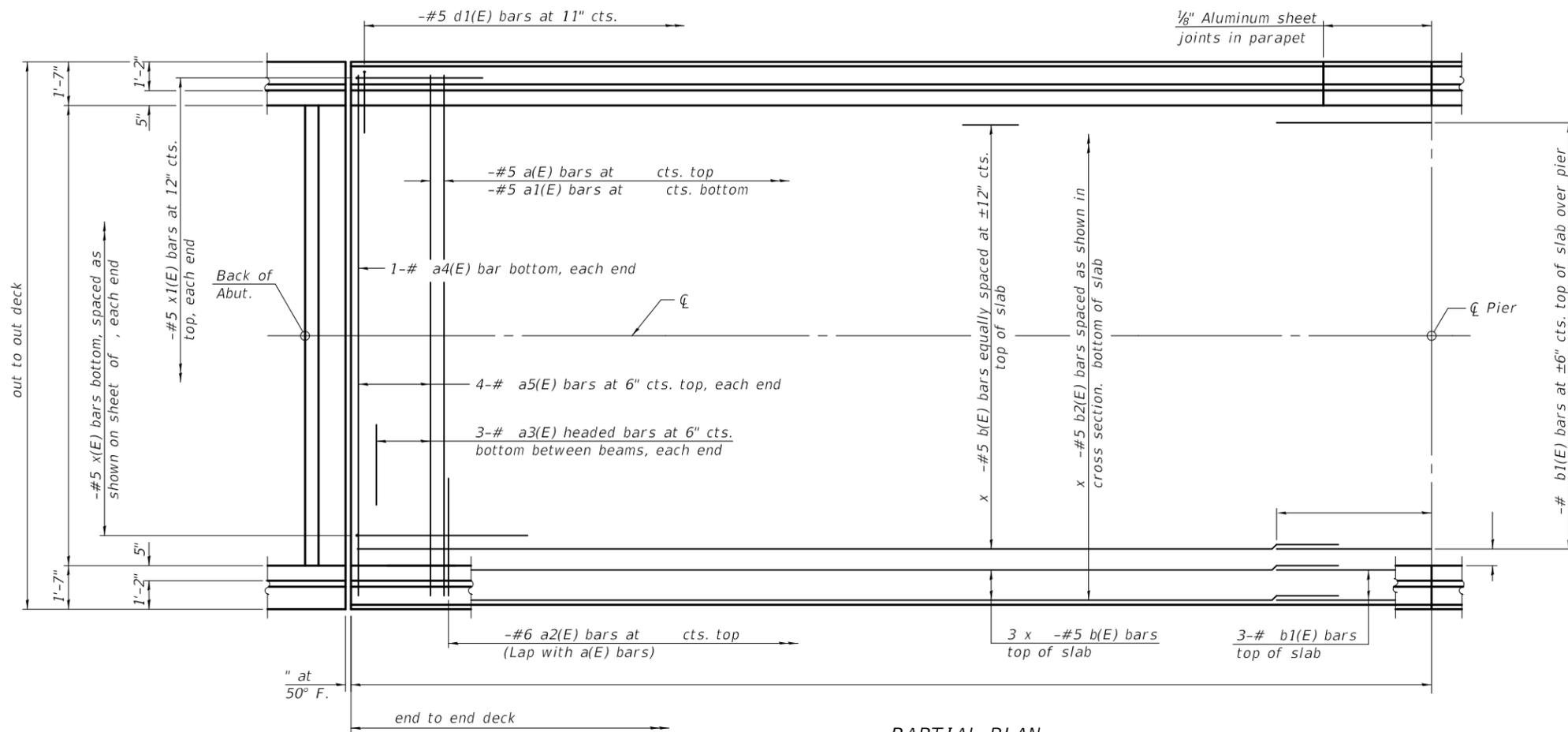
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-13654-1-R($\leq 30^\circ$) 2-17-2017

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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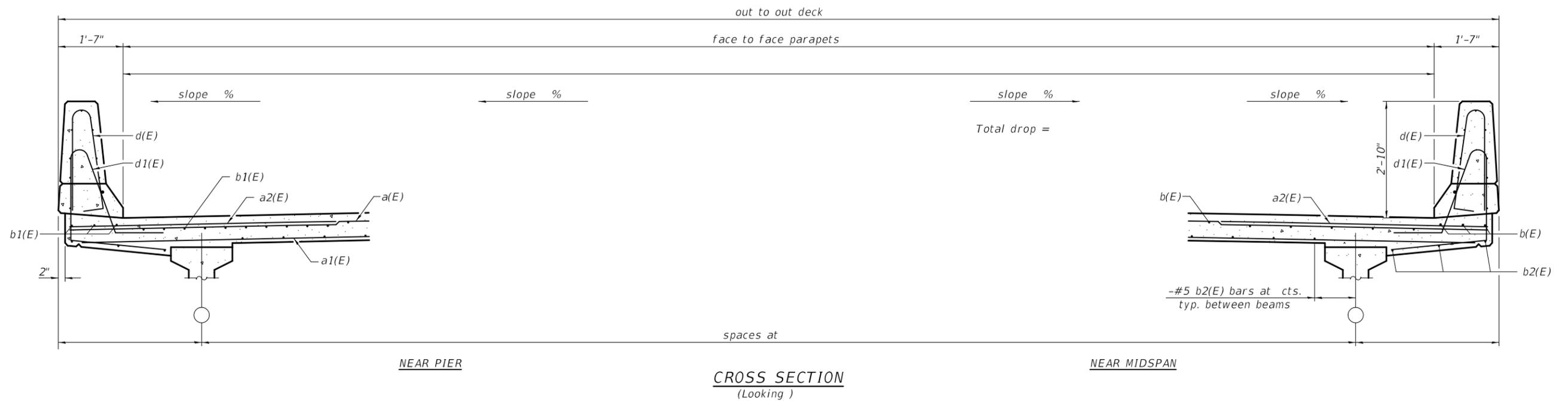


PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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

SE-13654-2-0

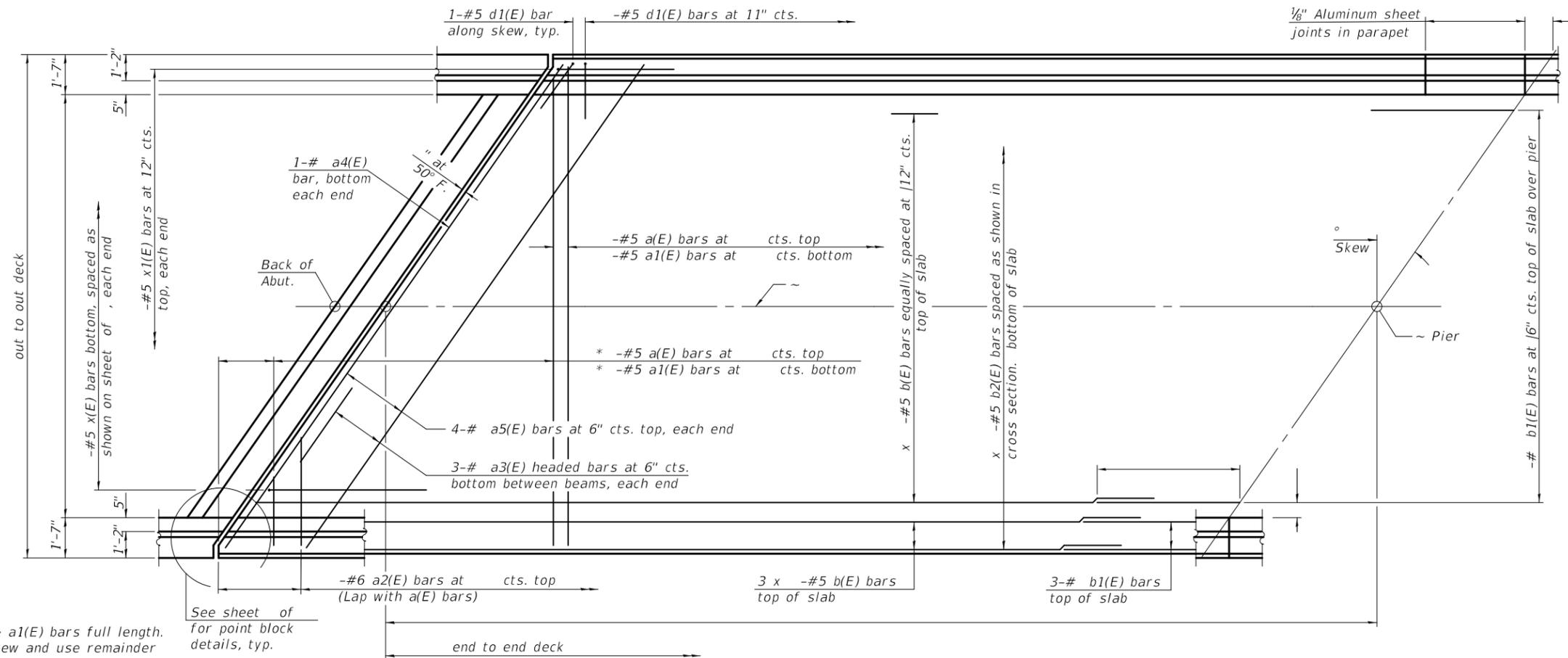
2-17-2017

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

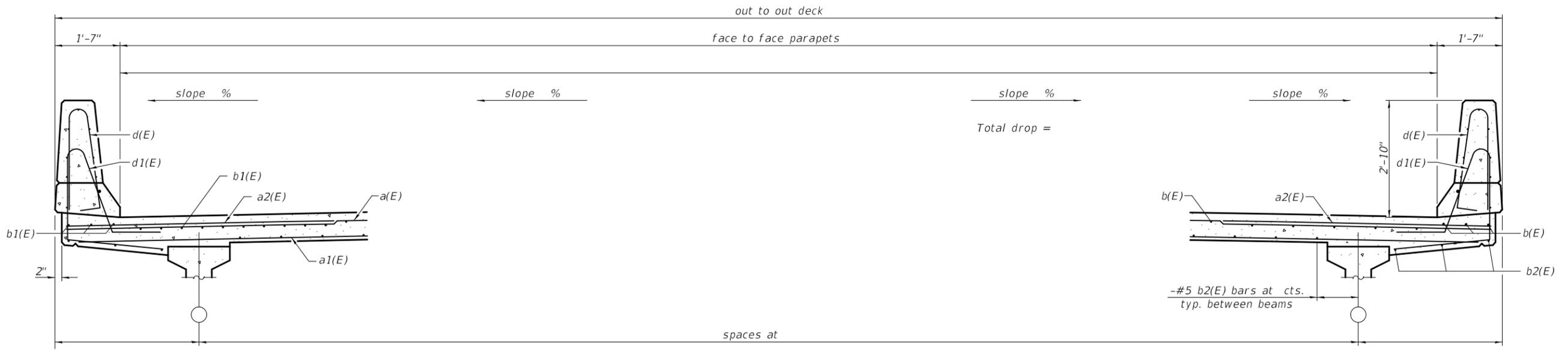


PARTIAL PLAN

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.

MINIMUM BAR LAP

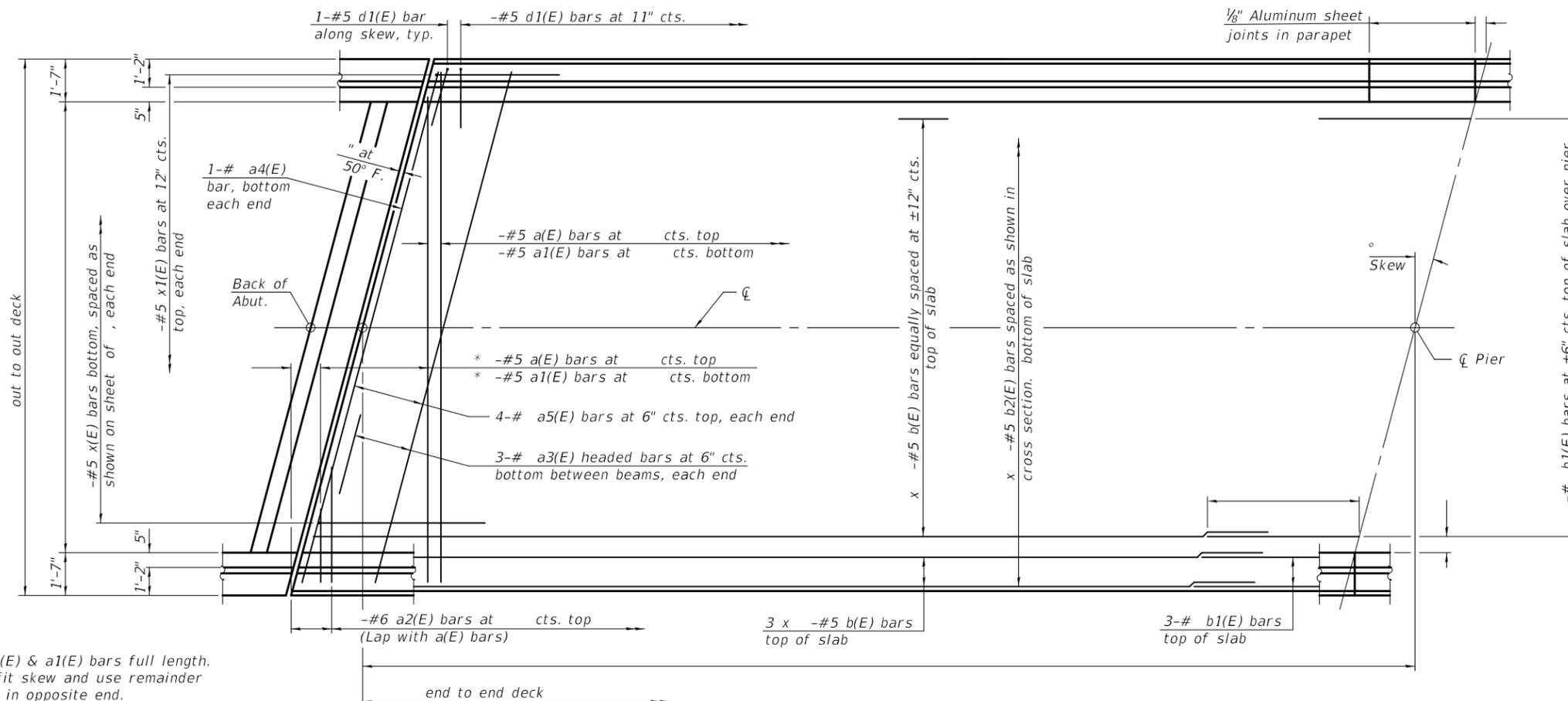
#5 bar = 3'-6"



CROSS SECTION
(Looking)

SE-13654-2-L(>30°) 2-17-2017

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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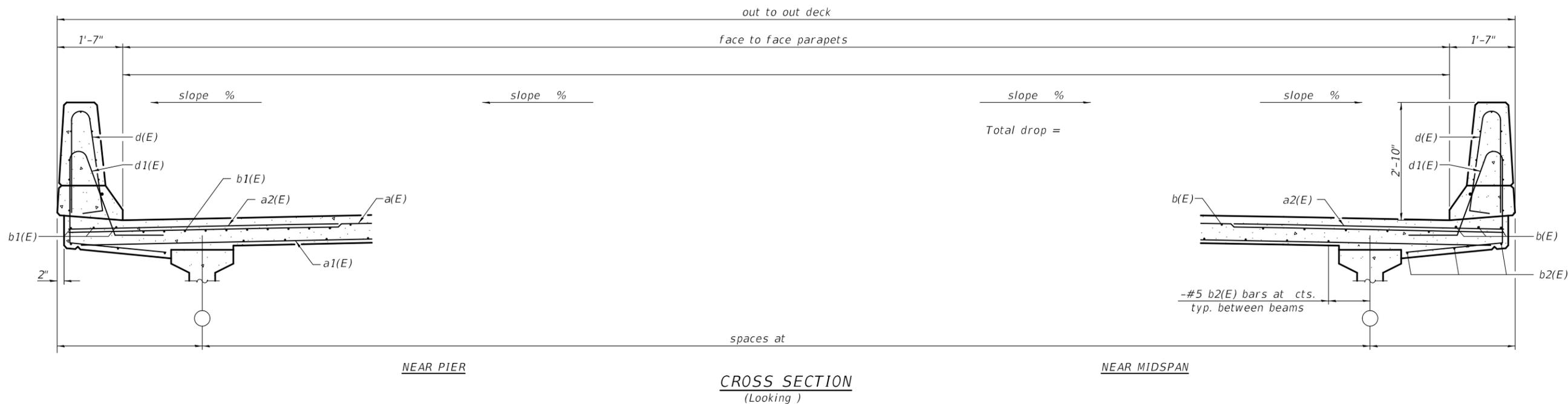


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

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.



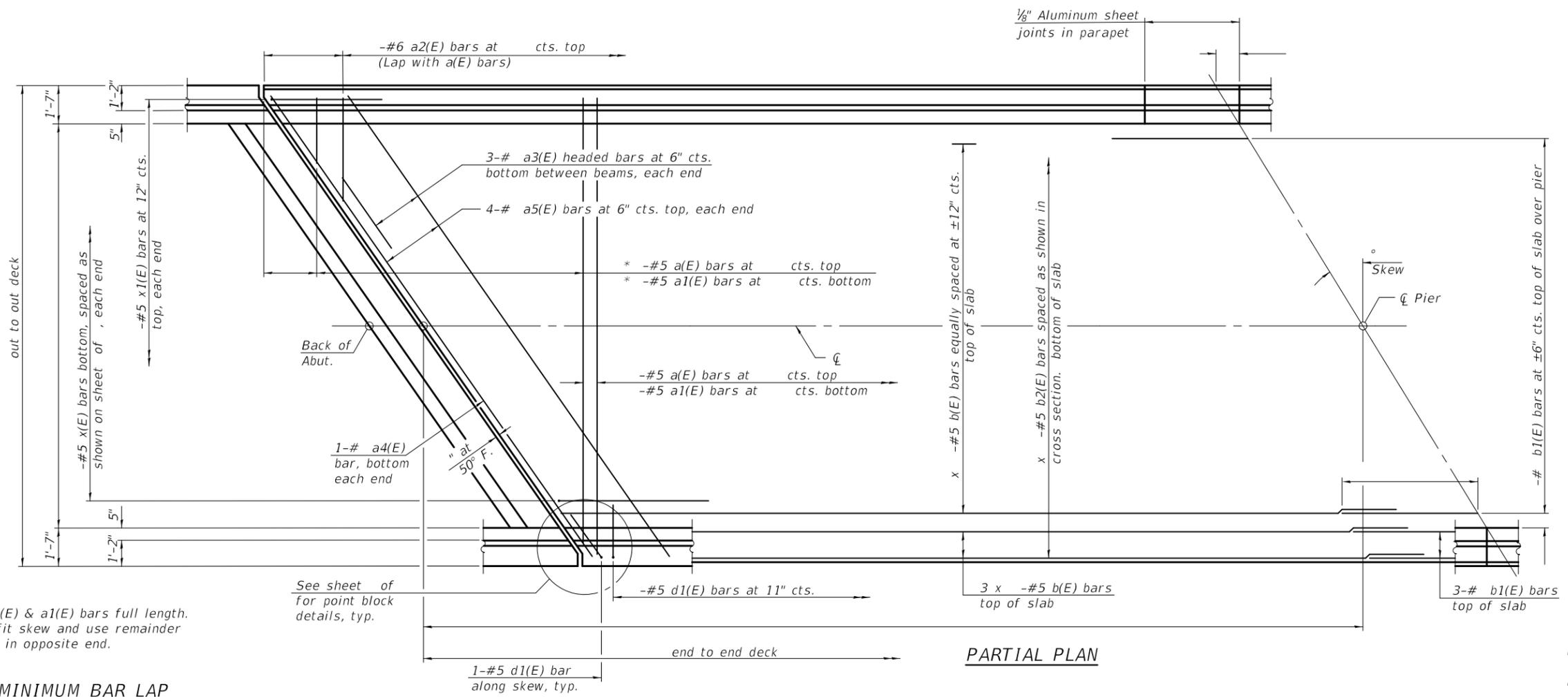
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-13654-2-L($\leq 30^\circ$) 2-17-2017

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



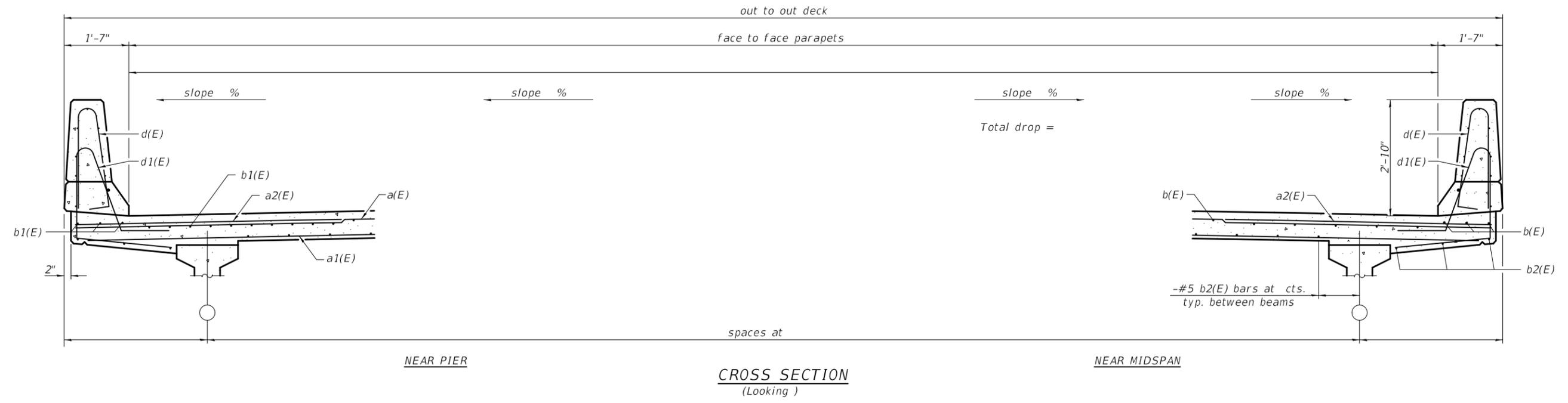
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

See sheet of for point block details, typ.

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.



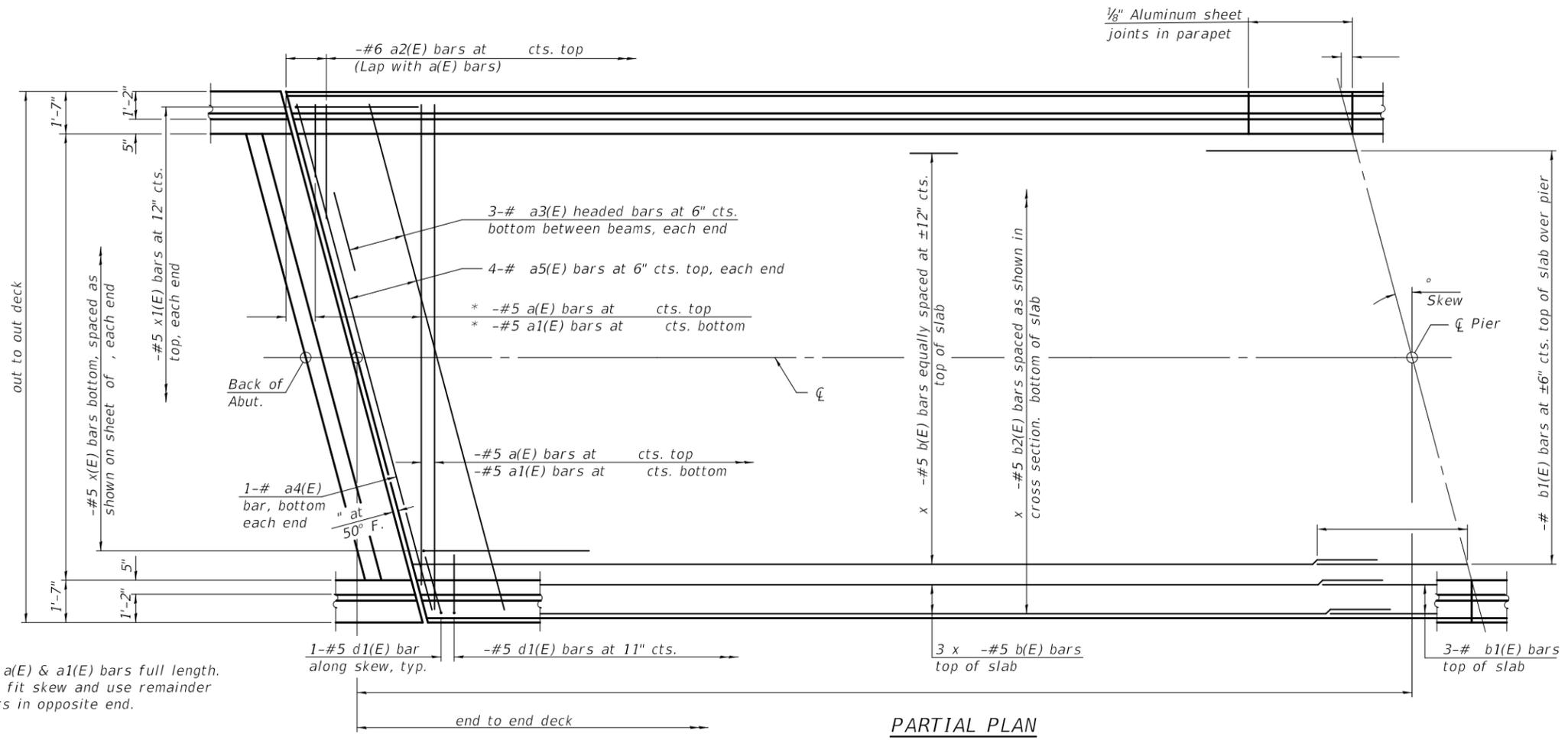
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-13654-2-R(>30°) 2-17-2017

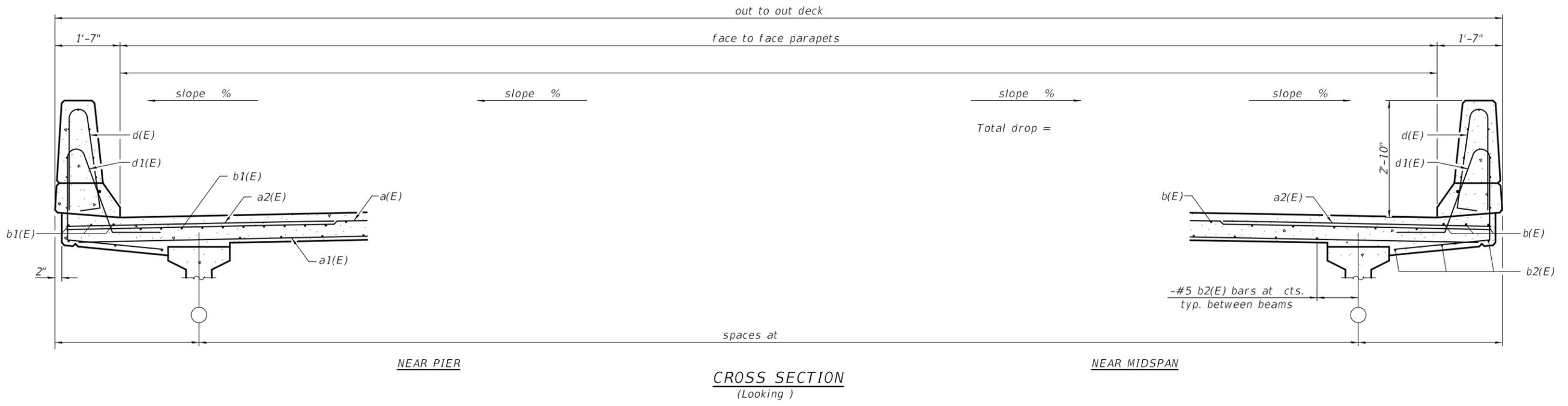
FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE =	REVISD -			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



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

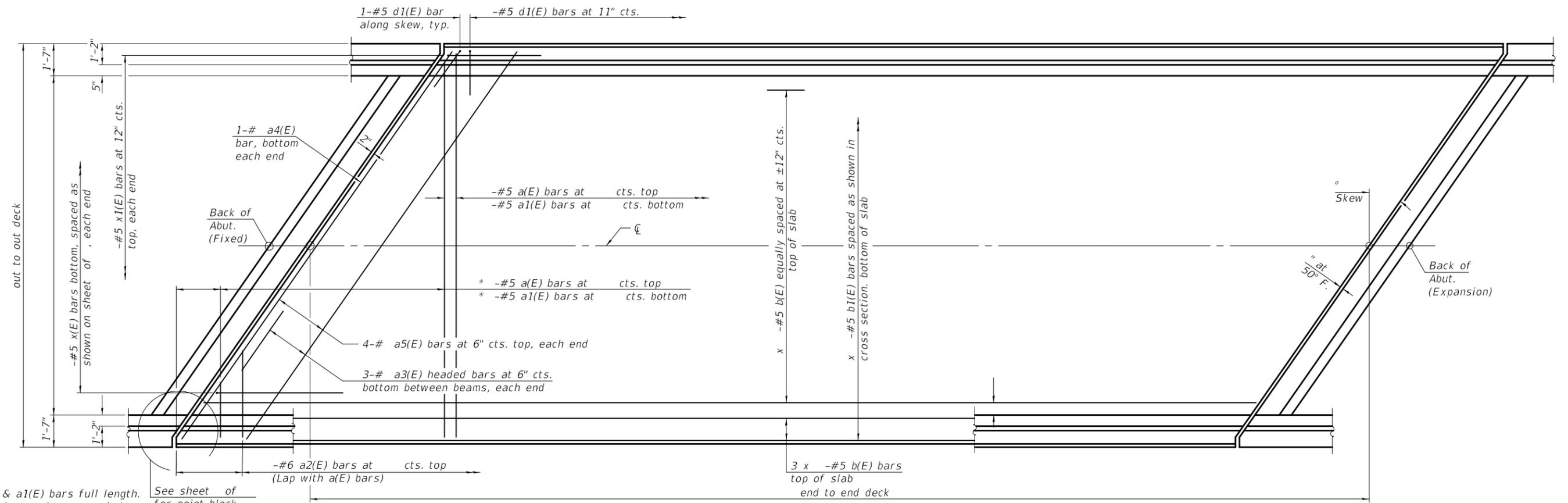
MINIMUM BAR LAP
#5 bar = 3'-6"

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.



SE-13654-2-R(≤30°) 2-17-2017

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 -								



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

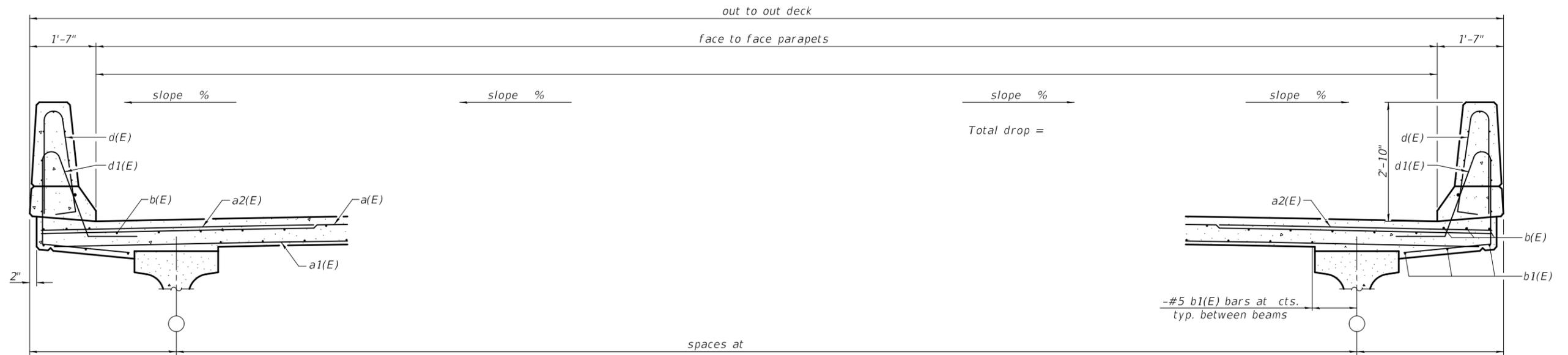
See sheet of for point block details, typ.

MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

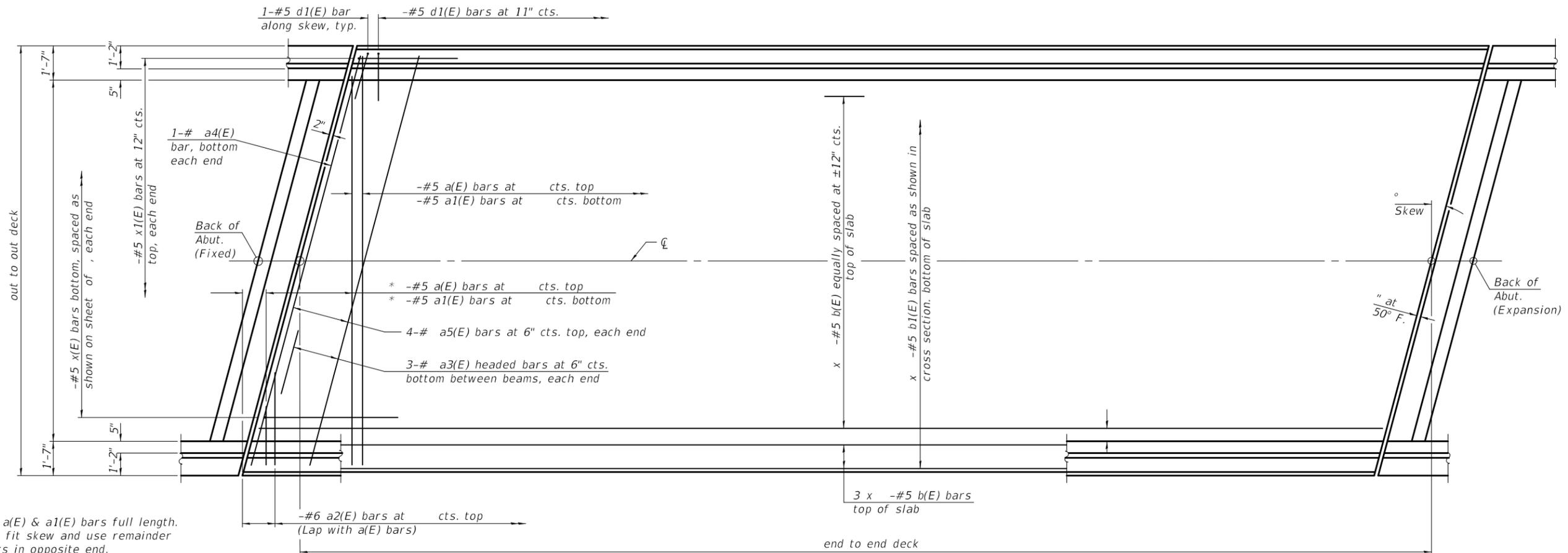
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL2772N-1-L(>30°) 2-17-2017

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

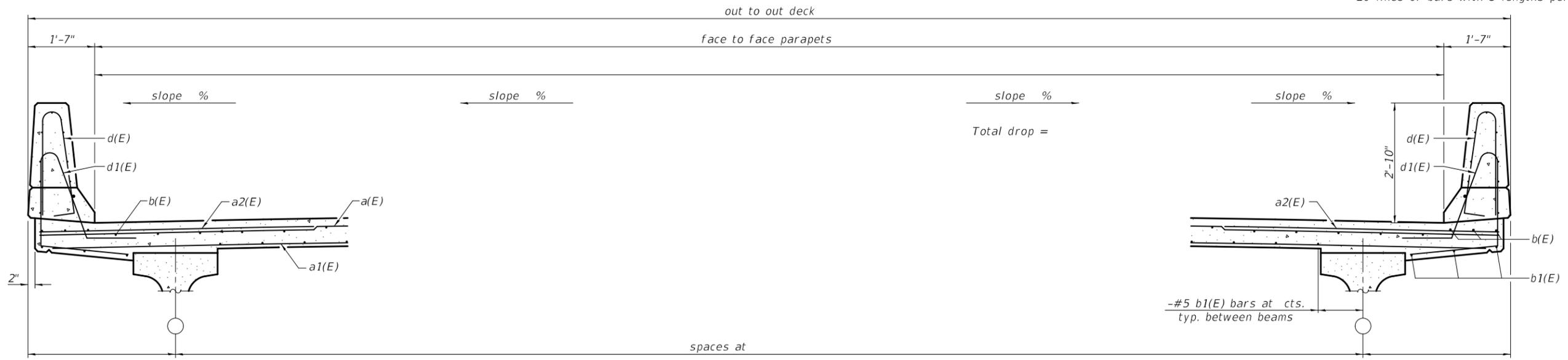


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

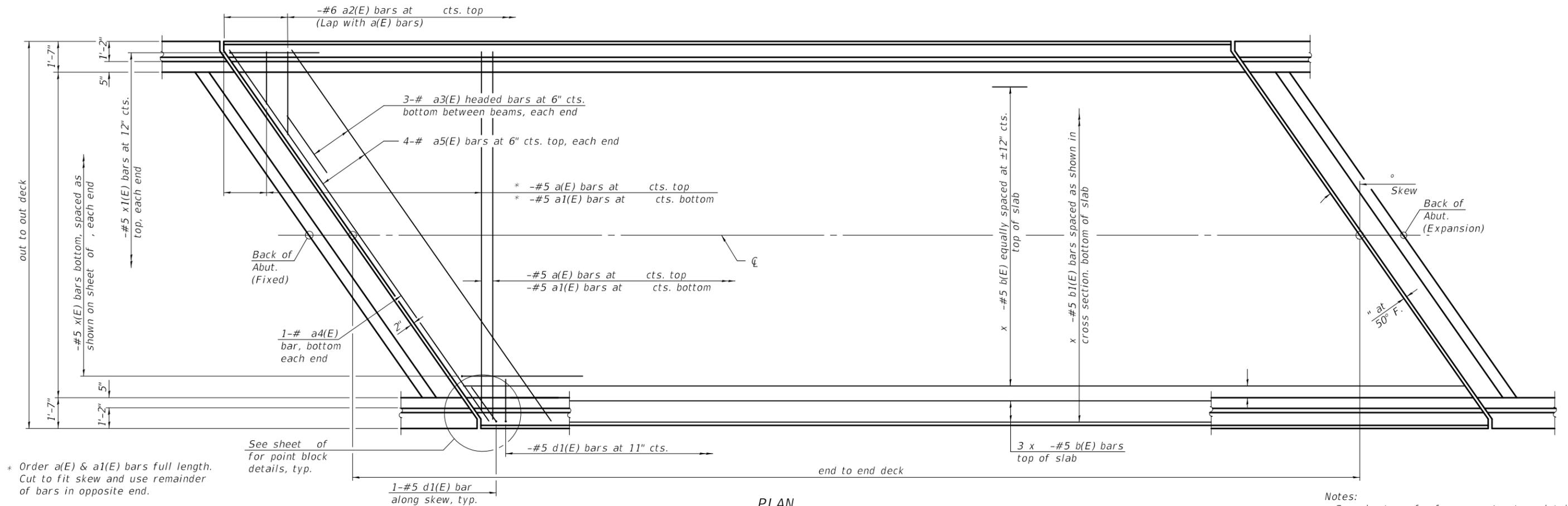
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL2772N-1-L($\leq 30^\circ$) 2-17-2017

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					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								



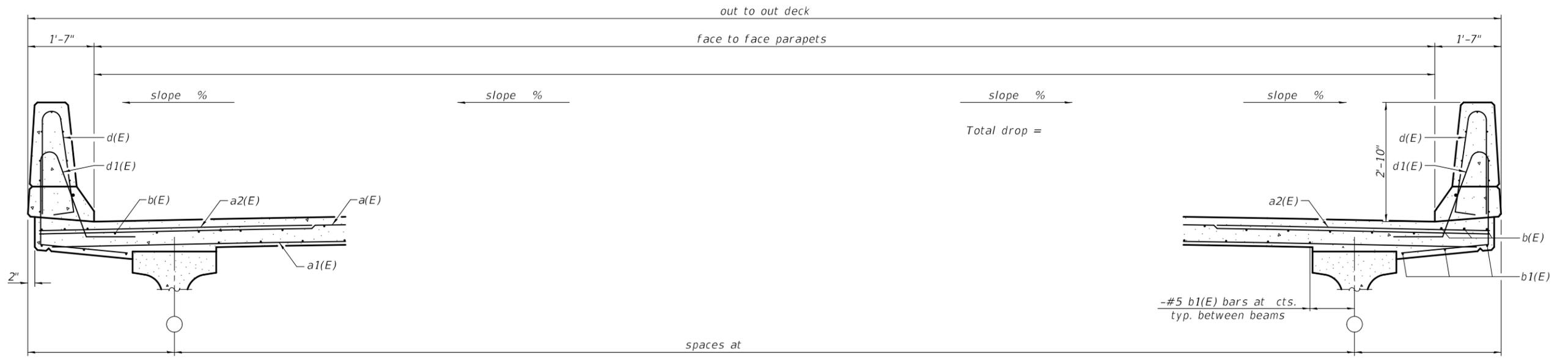
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

See sheet of for point block details, typ.

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.

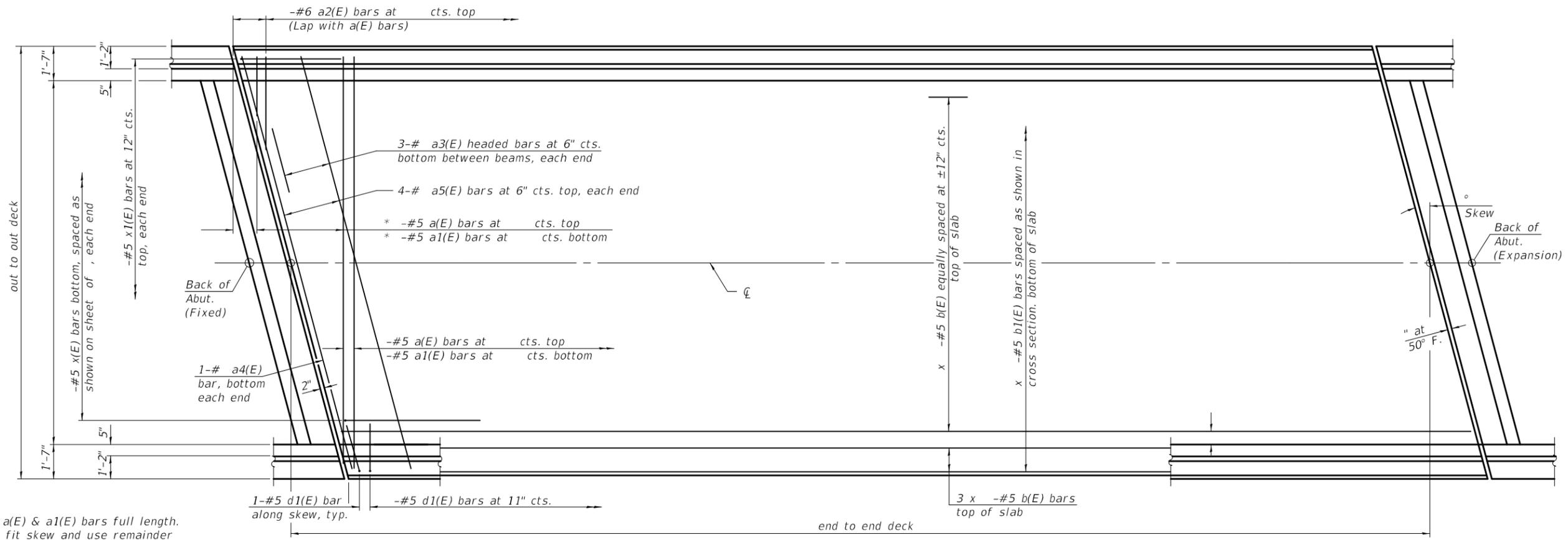
MINIMUM BAR LAP
#5 bar = 3'-6"



CROSS SECTION
(Looking)

SE-IL2772N-1-R(>30°) 2-17-2017

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 -								

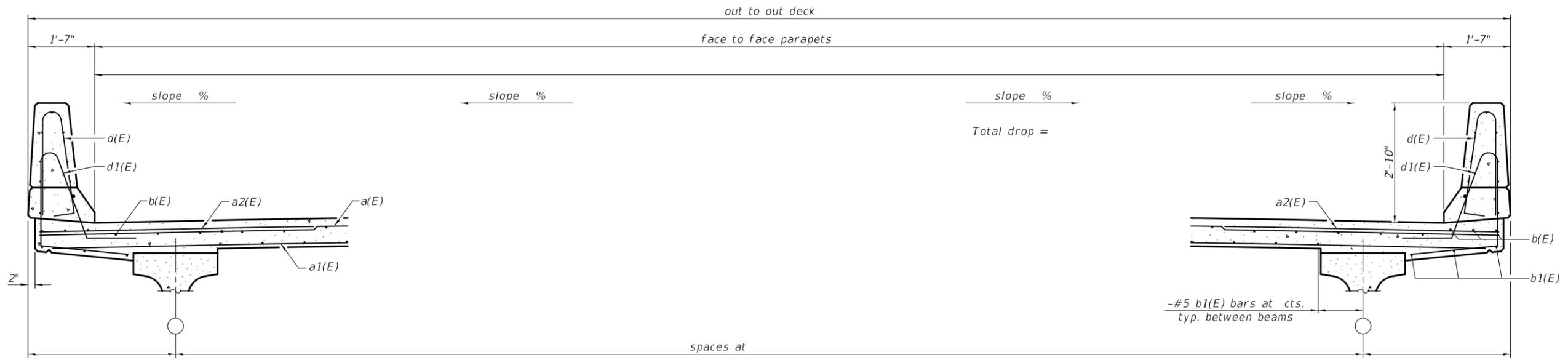


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

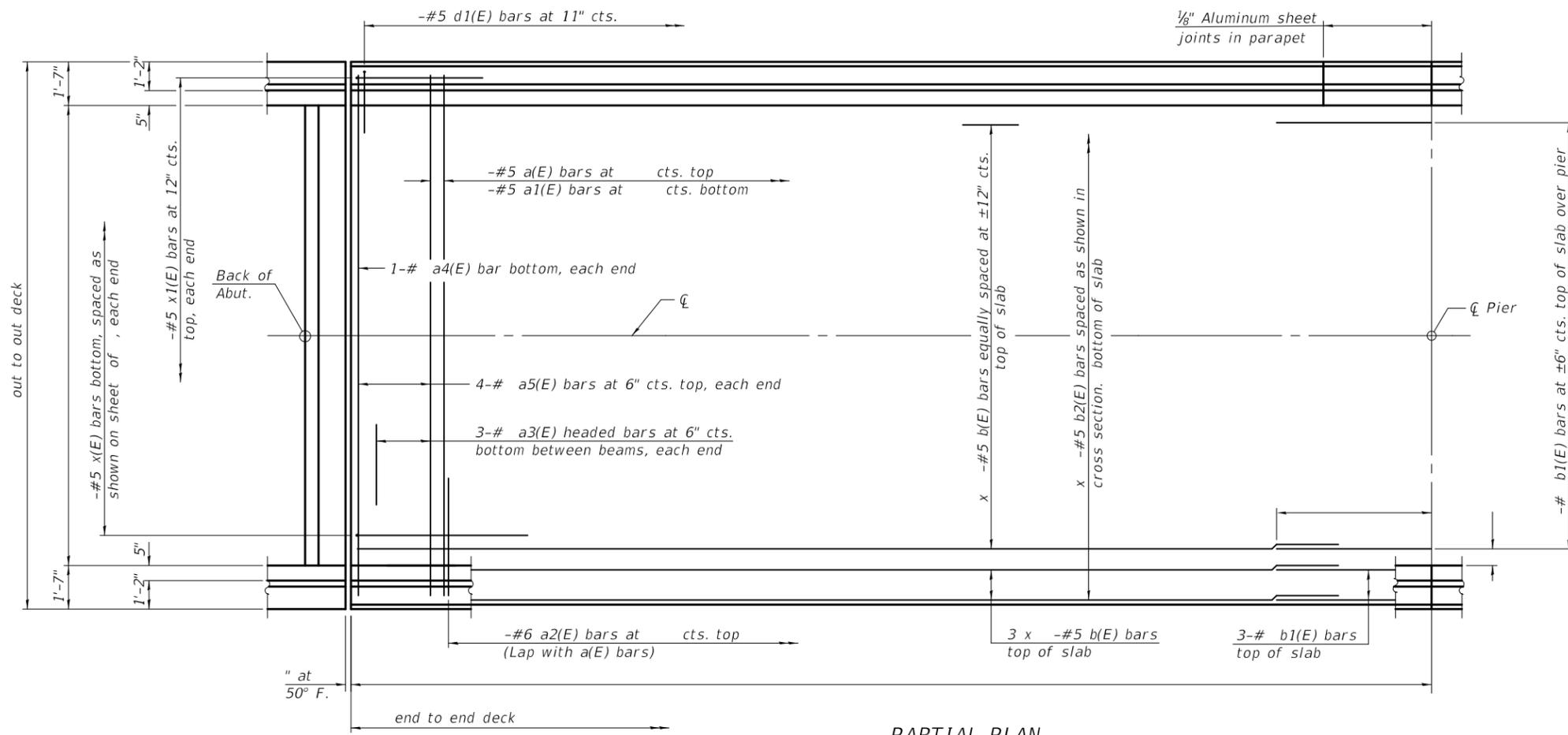
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL2772N-1-R($\leq 30^\circ$) 2-17-2017

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					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								

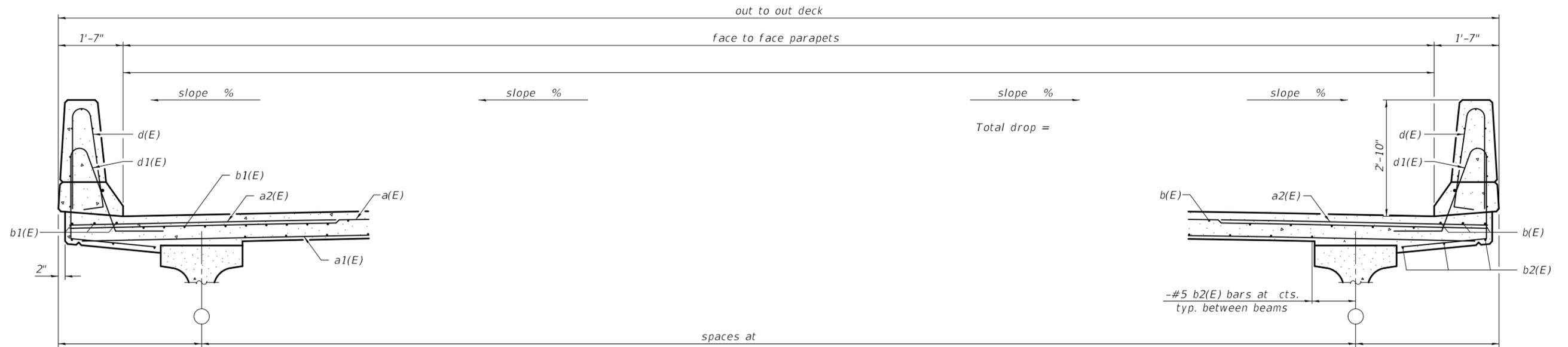


PARTIAL PLAN

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.

MINIMUM BAR LAP

#5 bar = 3'-6"



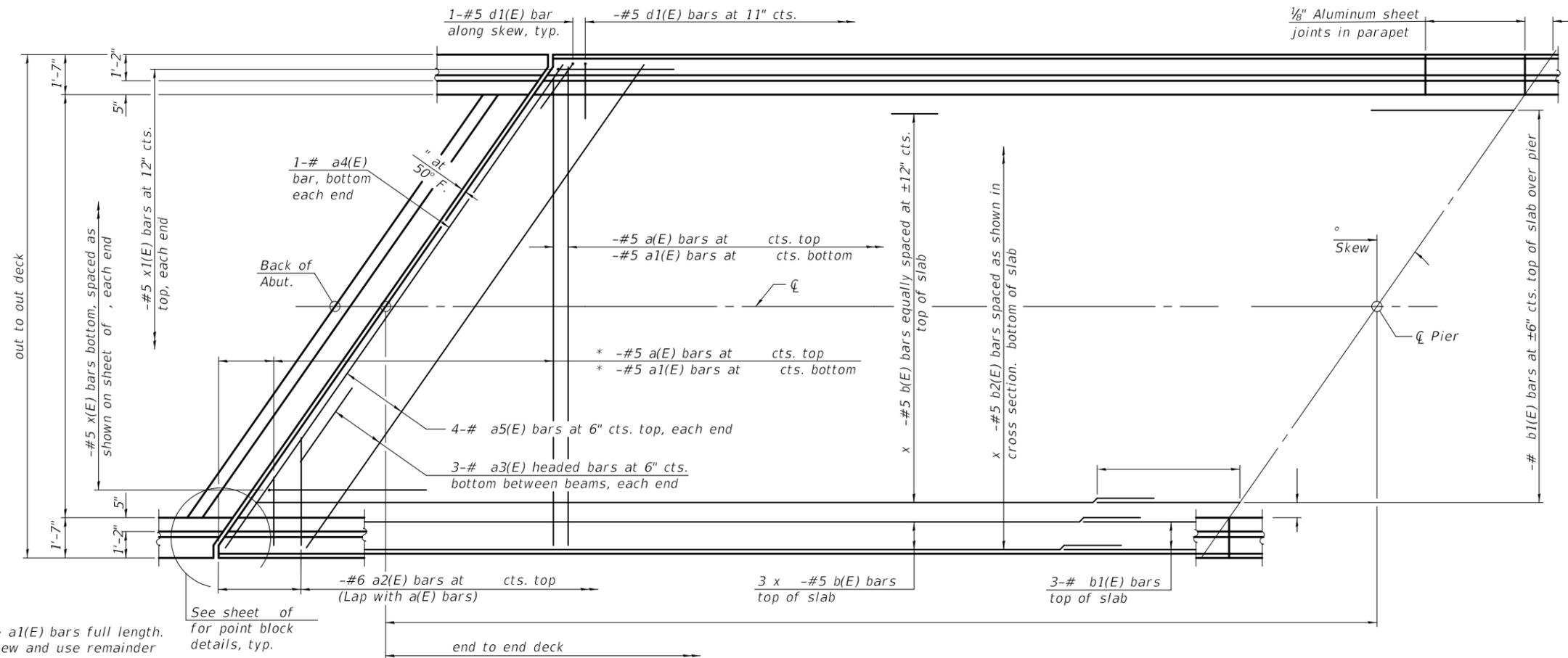
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-IL2772N-2-0 2-17-2017

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 -								



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

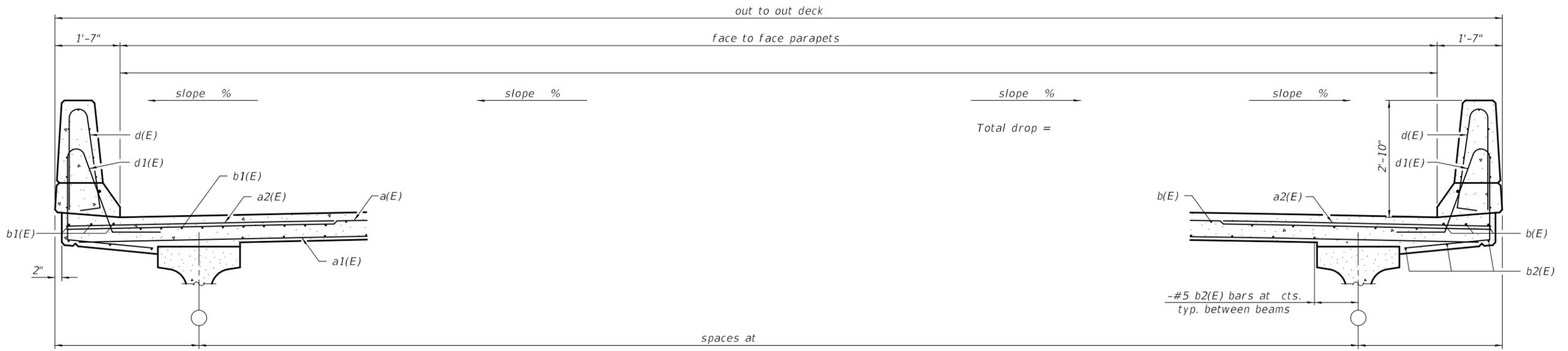
See sheet of for point block details, typ.

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.

MINIMUM BAR LAP

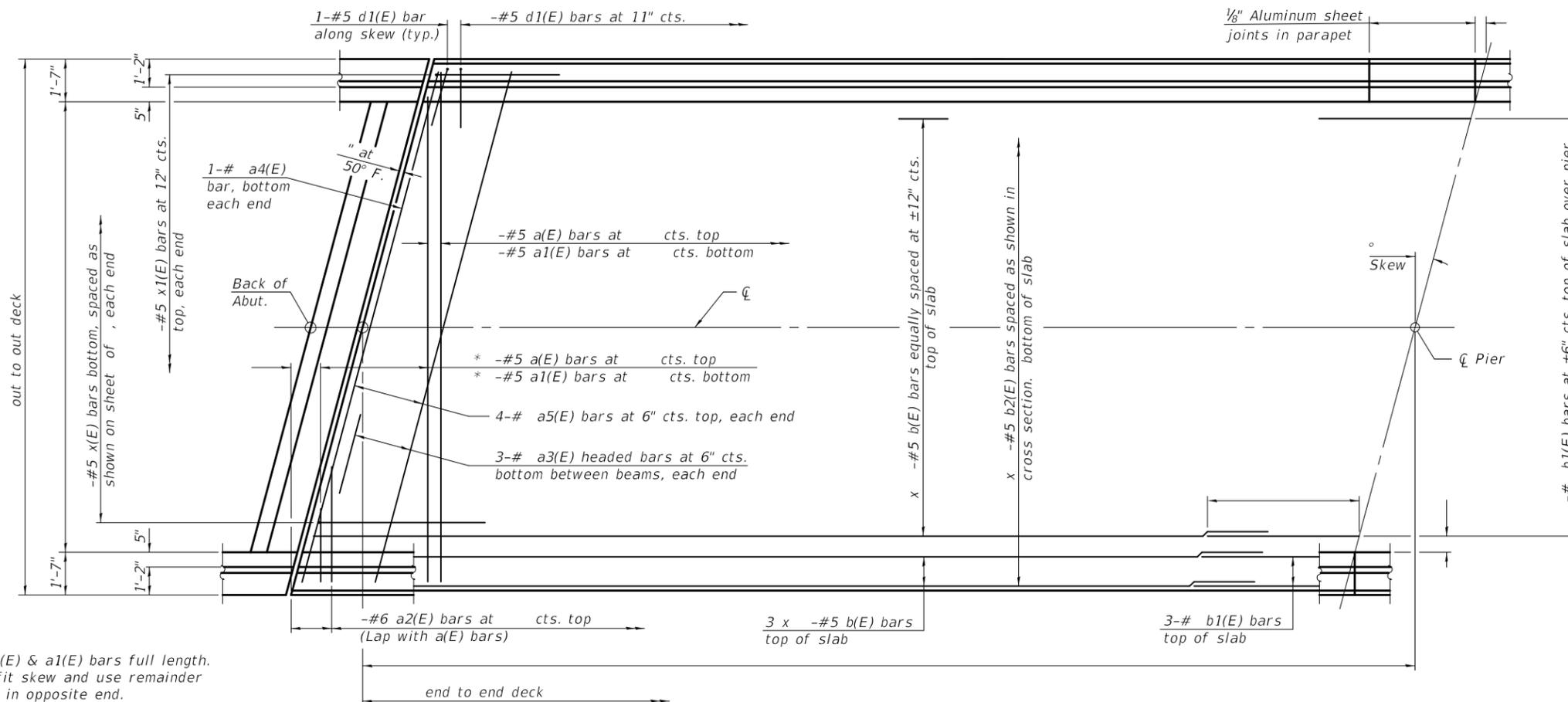
#5 bar = 3'-6"



CROSS SECTION
(Looking)

SE-IL2772N-2-L(>30°) 2-17-2017

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 -								

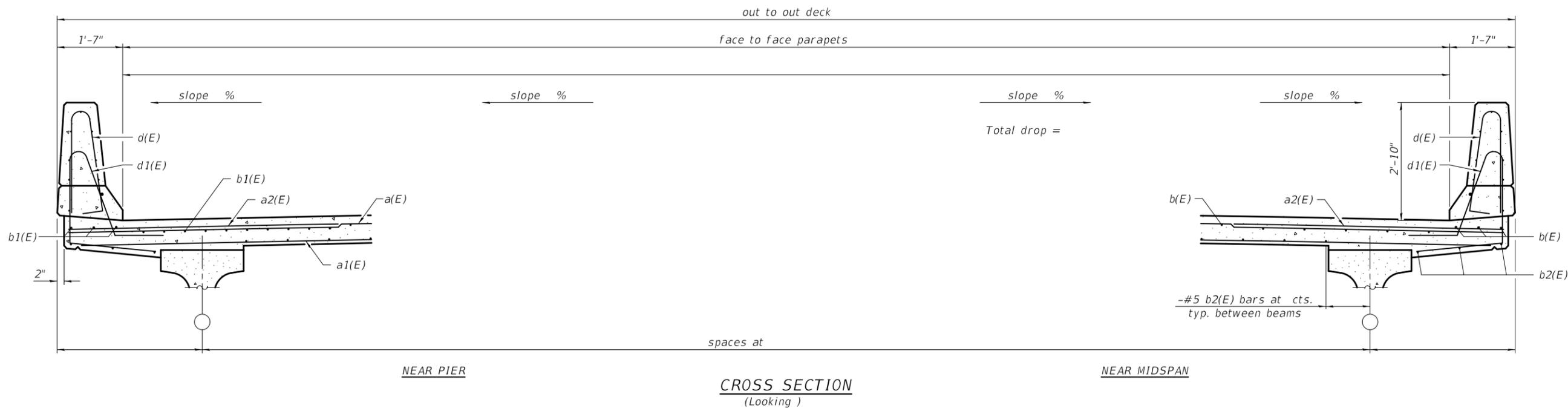


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

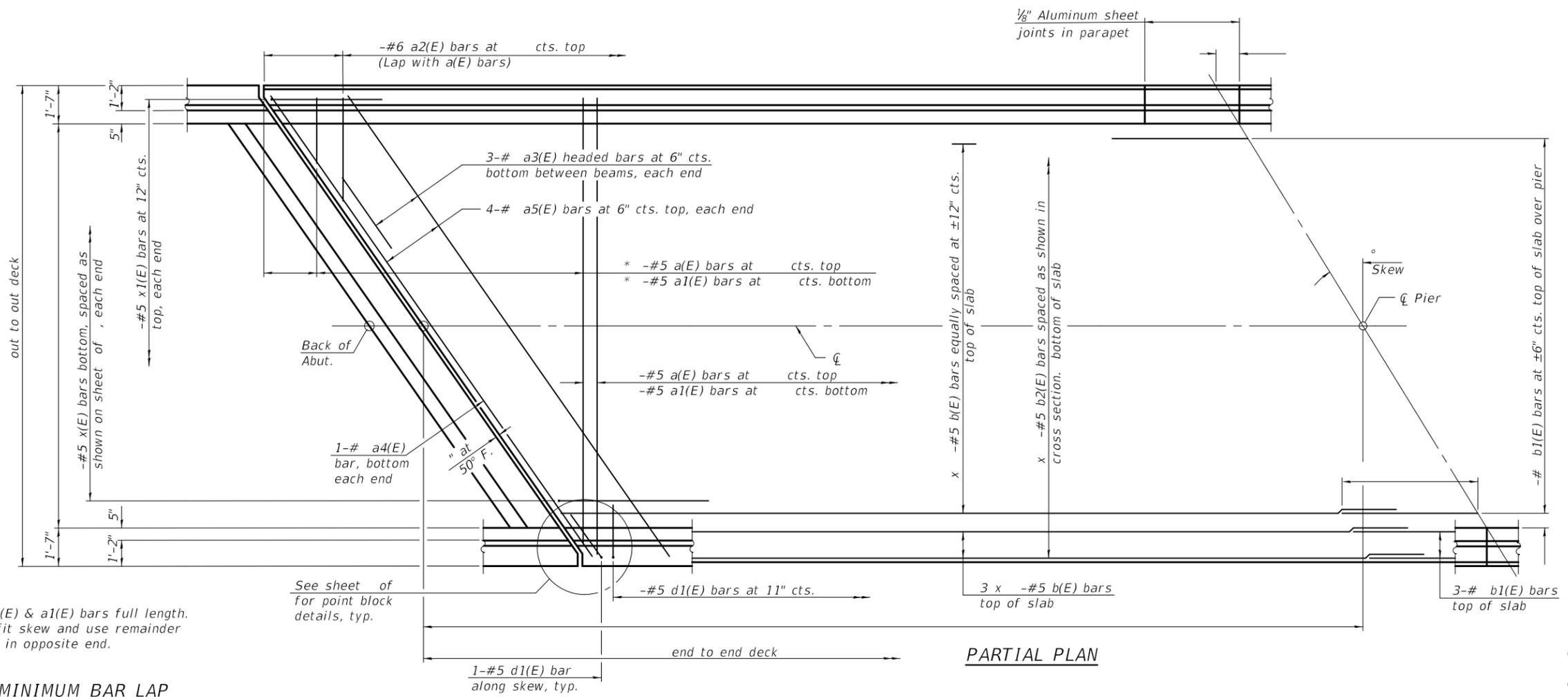
PARTIAL PLAN

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.



SE-IL2772N-2-L(≤30°) 2-17-2017

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

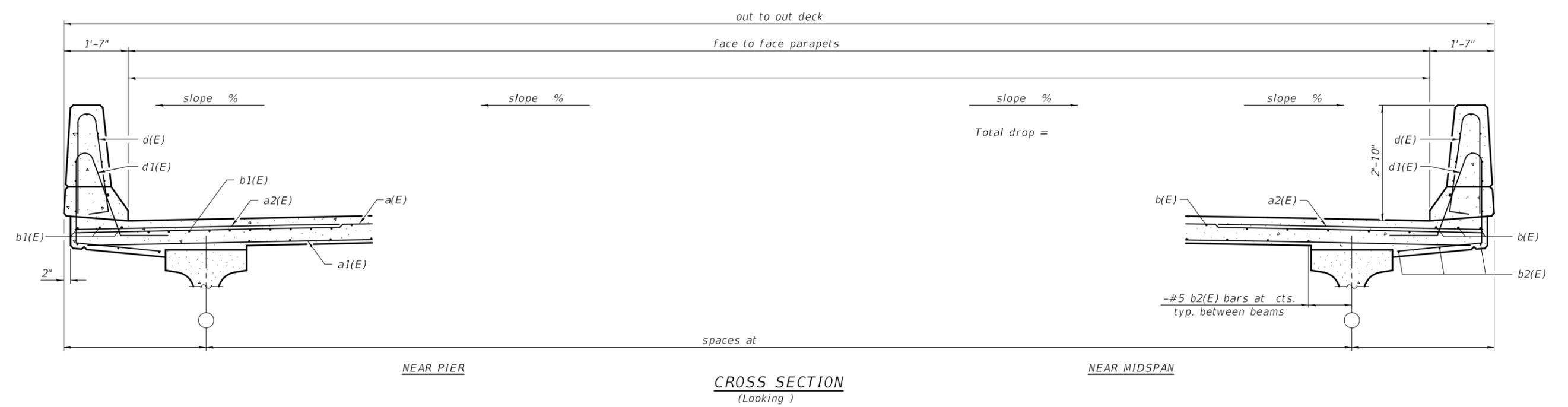


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

See sheet of for point block details, typ.

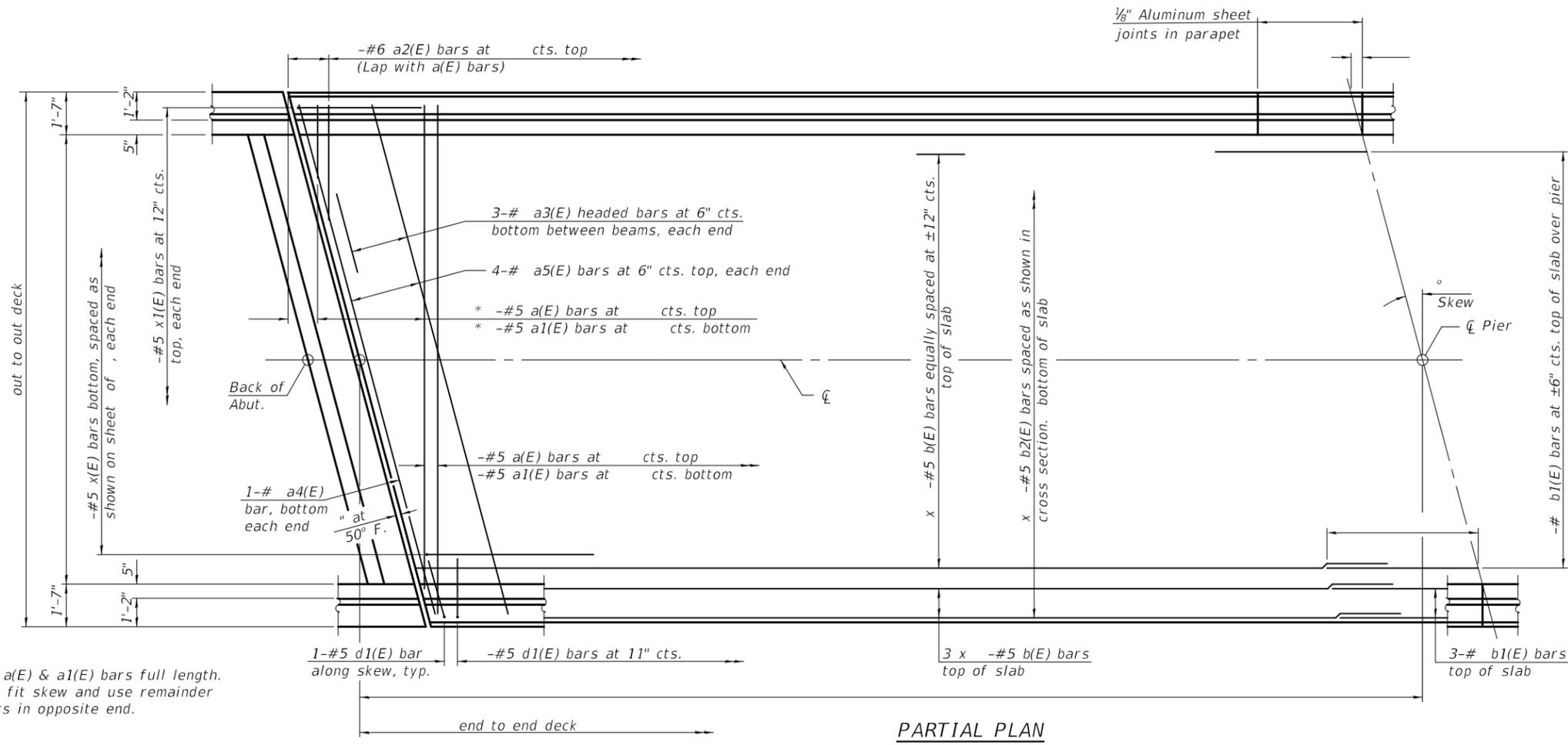
MINIMUM BAR LAP
#5 bar = 3'-6"

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.



SE-IL2772N-2-R(>30°) 2-17-2017

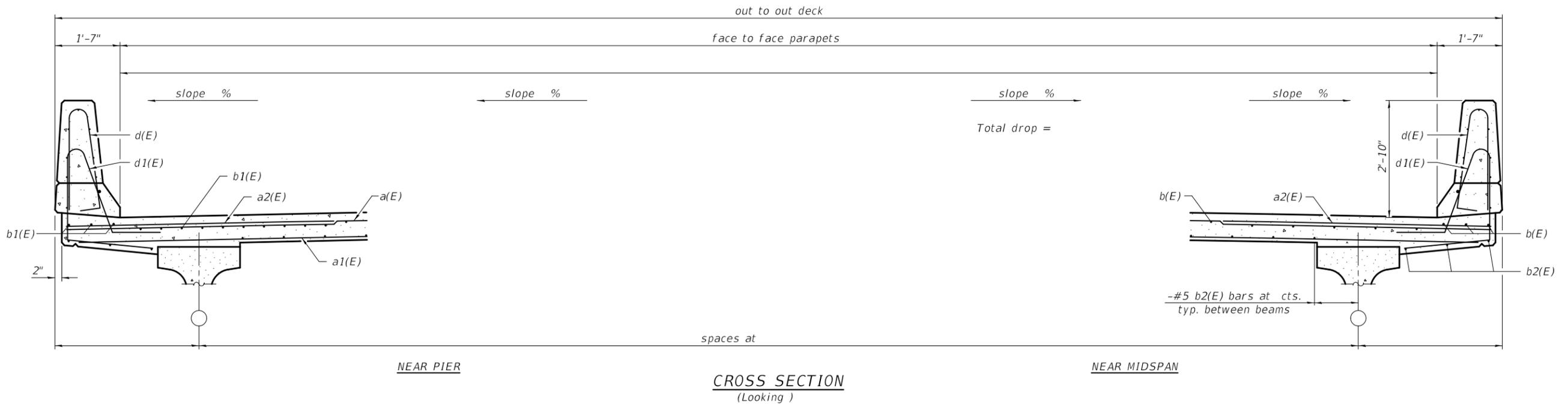
FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -			CONTRACT NO.					
		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISD -								



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

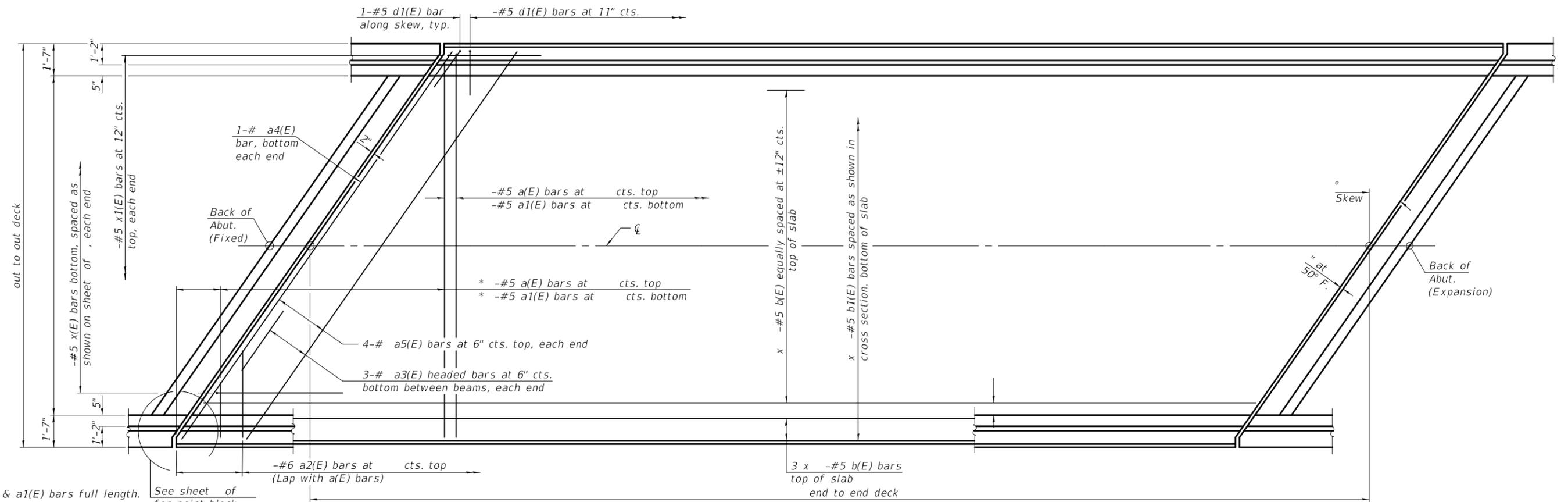
MINIMUM BAR LAP
#5 bar = 3'-6"

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.



SE-IL2772N-2-R(≤30°) 2-17-2017

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 -								



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

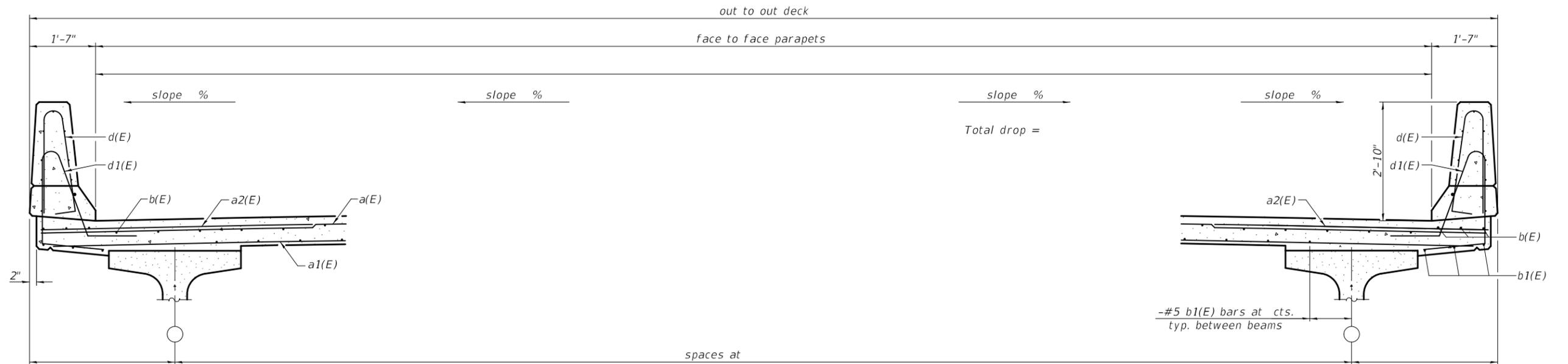
See sheet of for point block details, typ.

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.

MINIMUM BAR LAP

#5 bar = 3'-6"

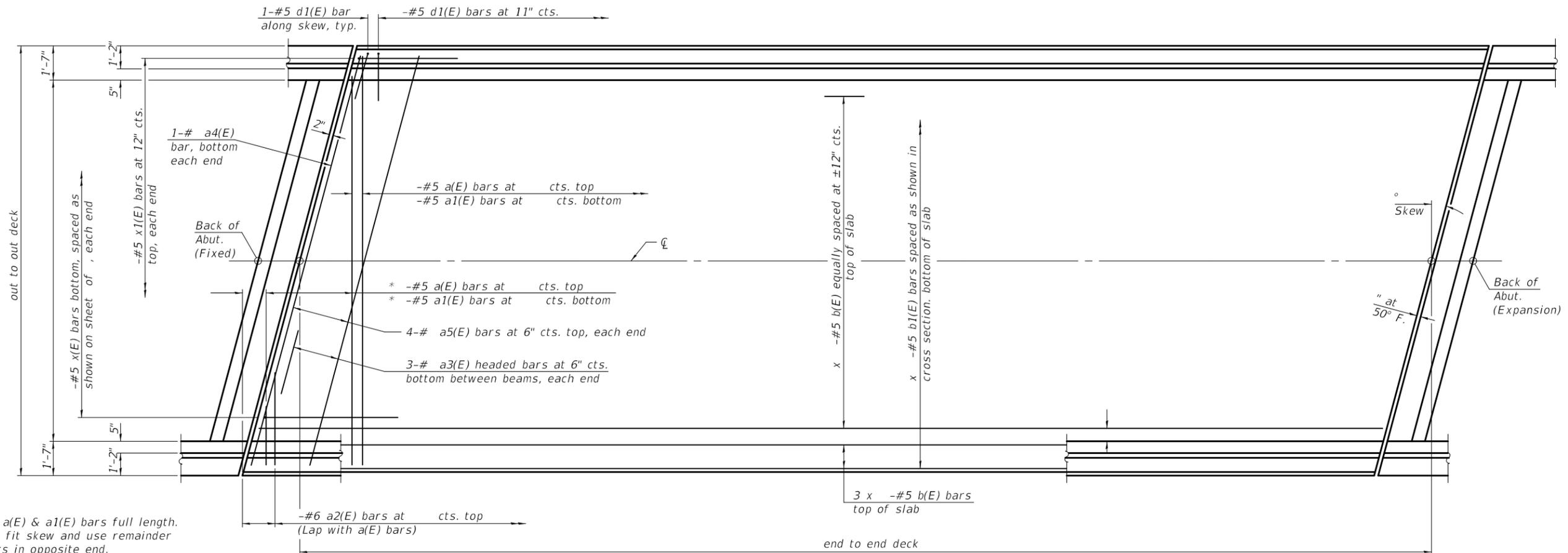


CROSS SECTION

(Looking)

SE-IL3672-1-L(>30°) 2-17-2017

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					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								

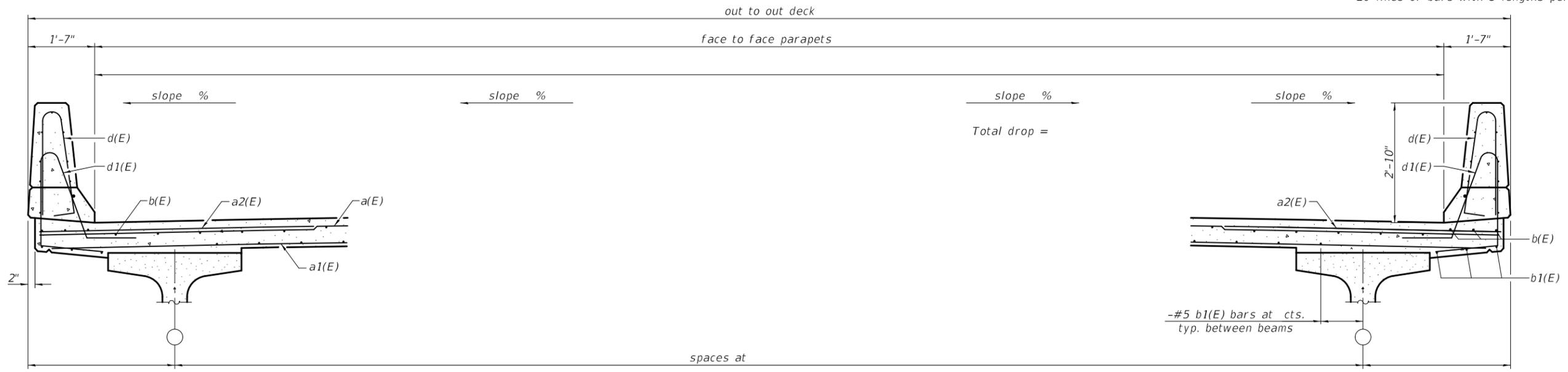


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

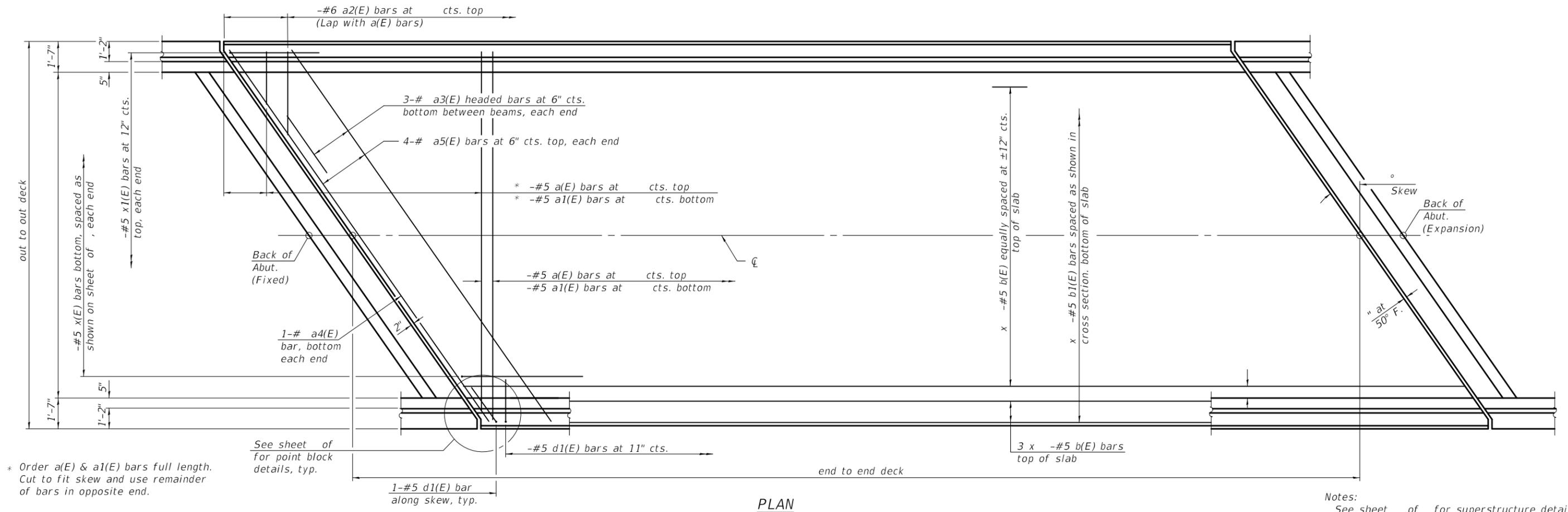
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL3672-1-L($\leq 30^\circ$) 2-17-2017

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



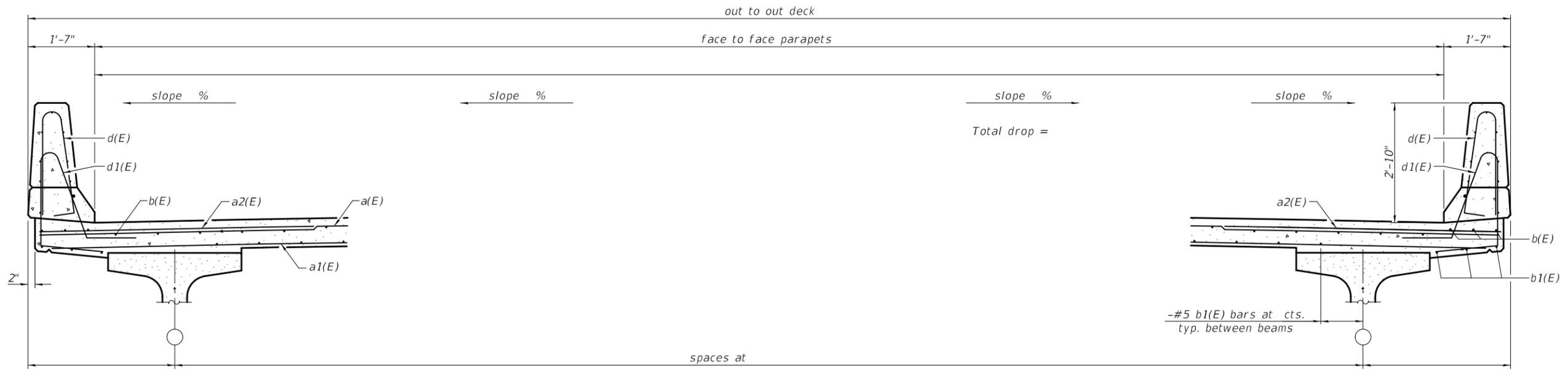
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

See sheet of for point block details, typ.

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.

MINIMUM BAR LAP
#5 bar = 3'-6"

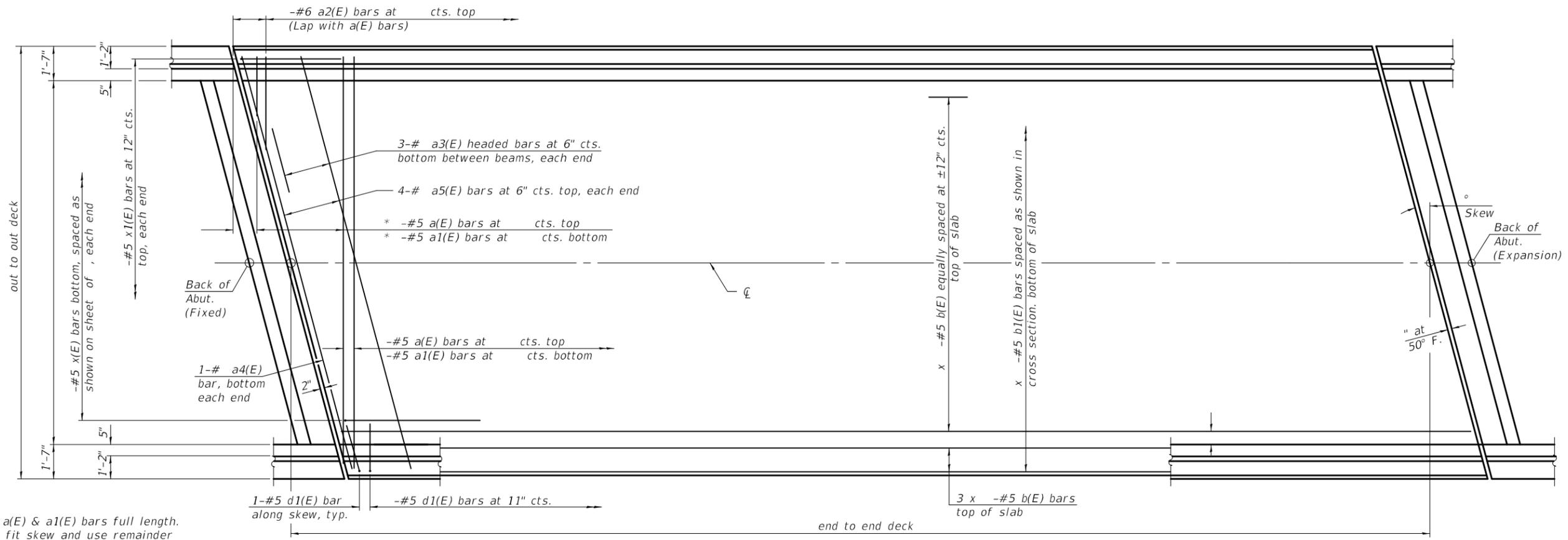
PLAN



CROSS SECTION
(Looking)

SE-IL3672-1-R(>30°) 2-17-2017

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

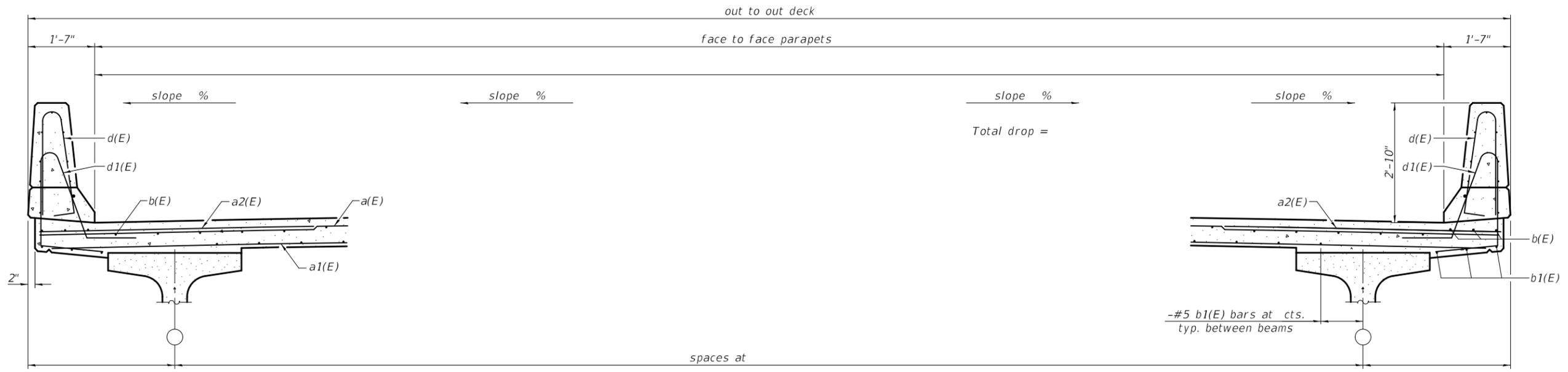


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

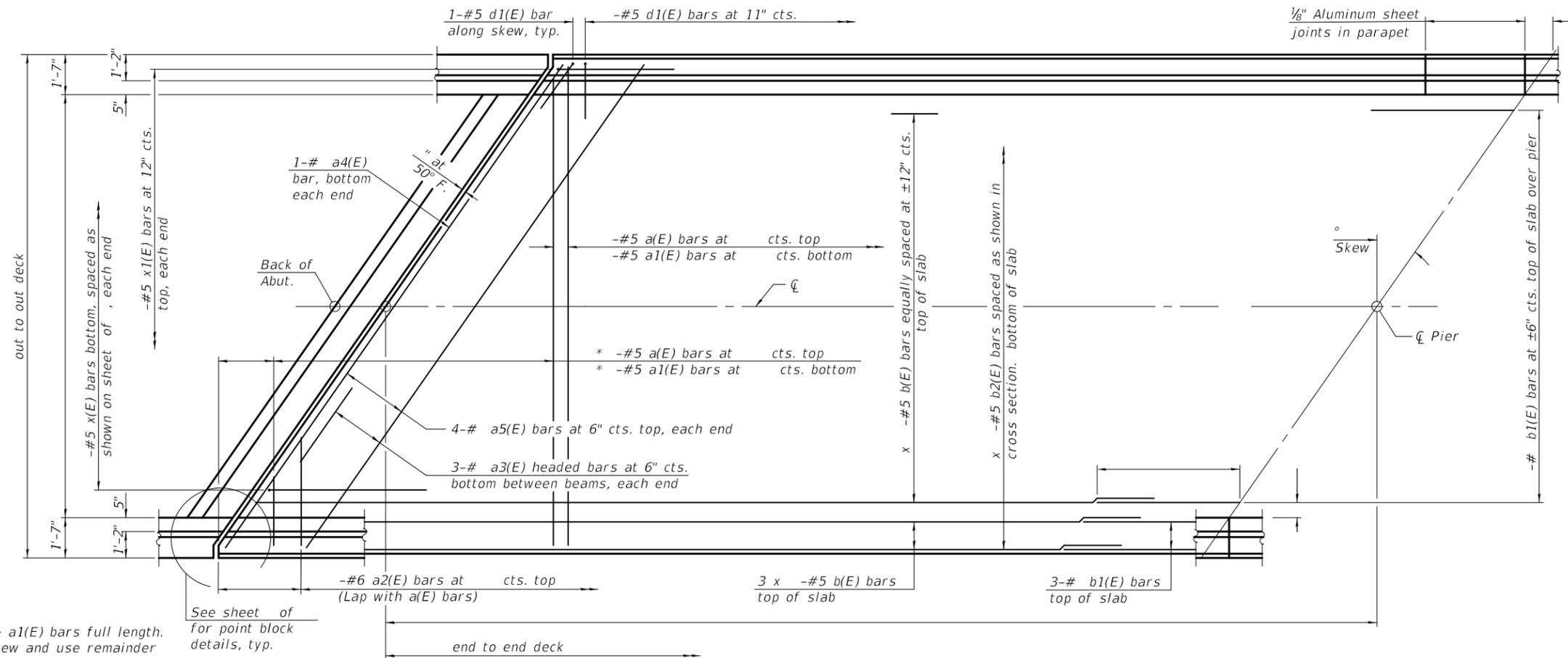
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL3672-1-R(≤30°) 2-17-2017

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					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								

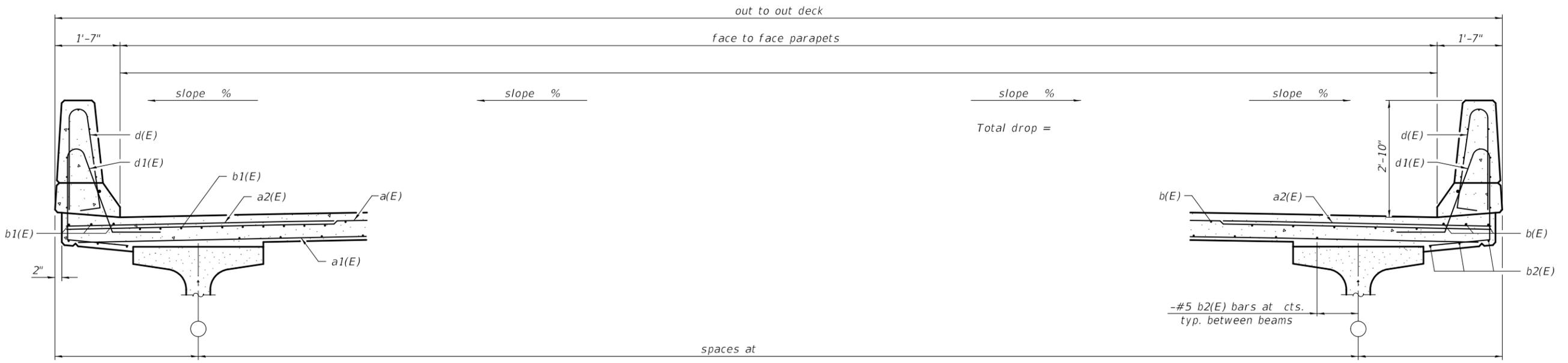


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

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.



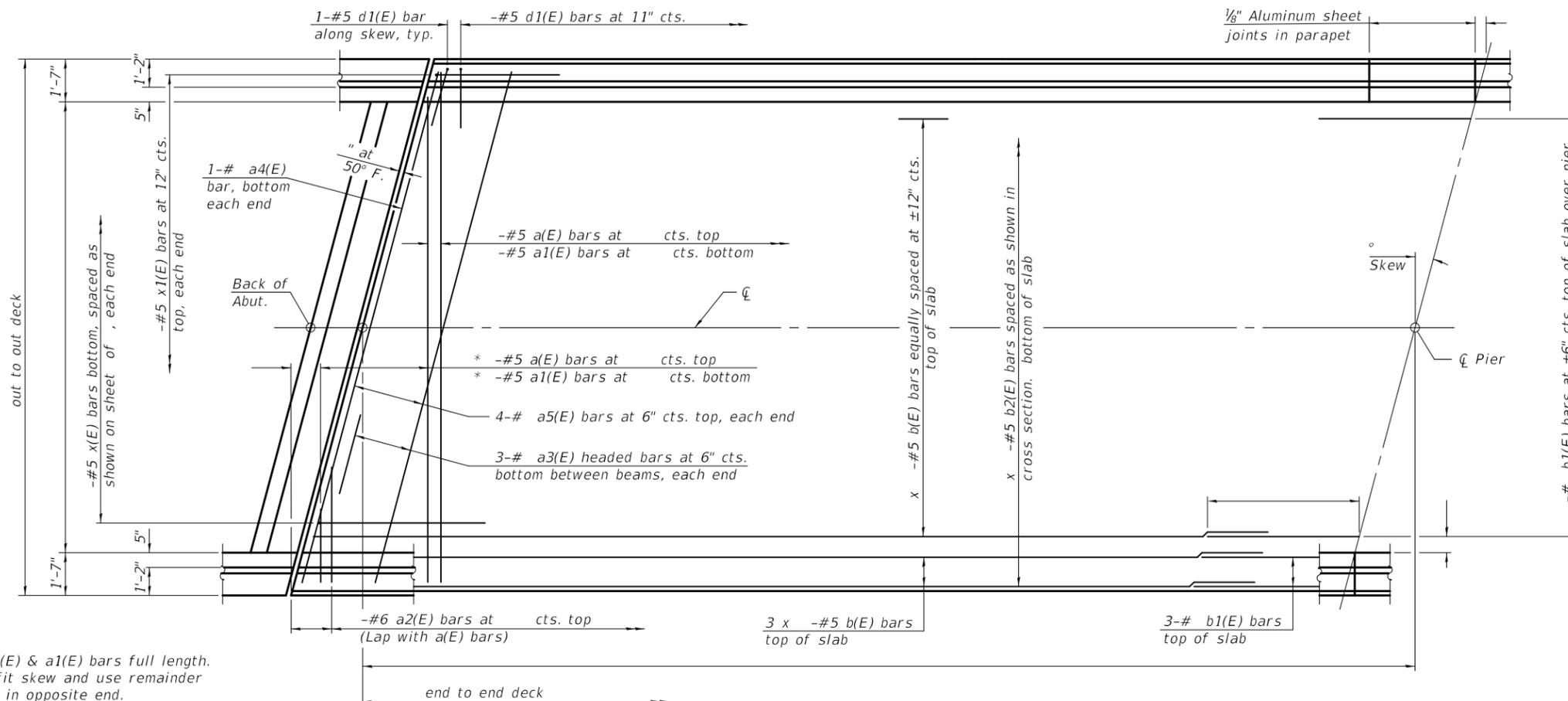
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SE-IL3672-2-L(>30°) 2-17-2017

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 -								
		DRAWN -	REVISD -			CONTRACT NO.					
		CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					

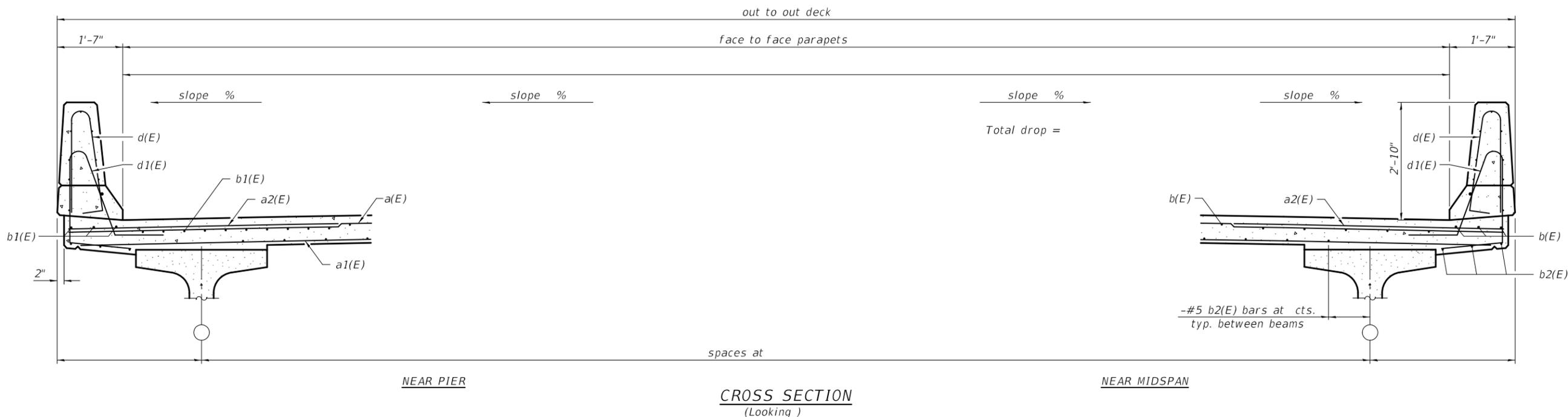


* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

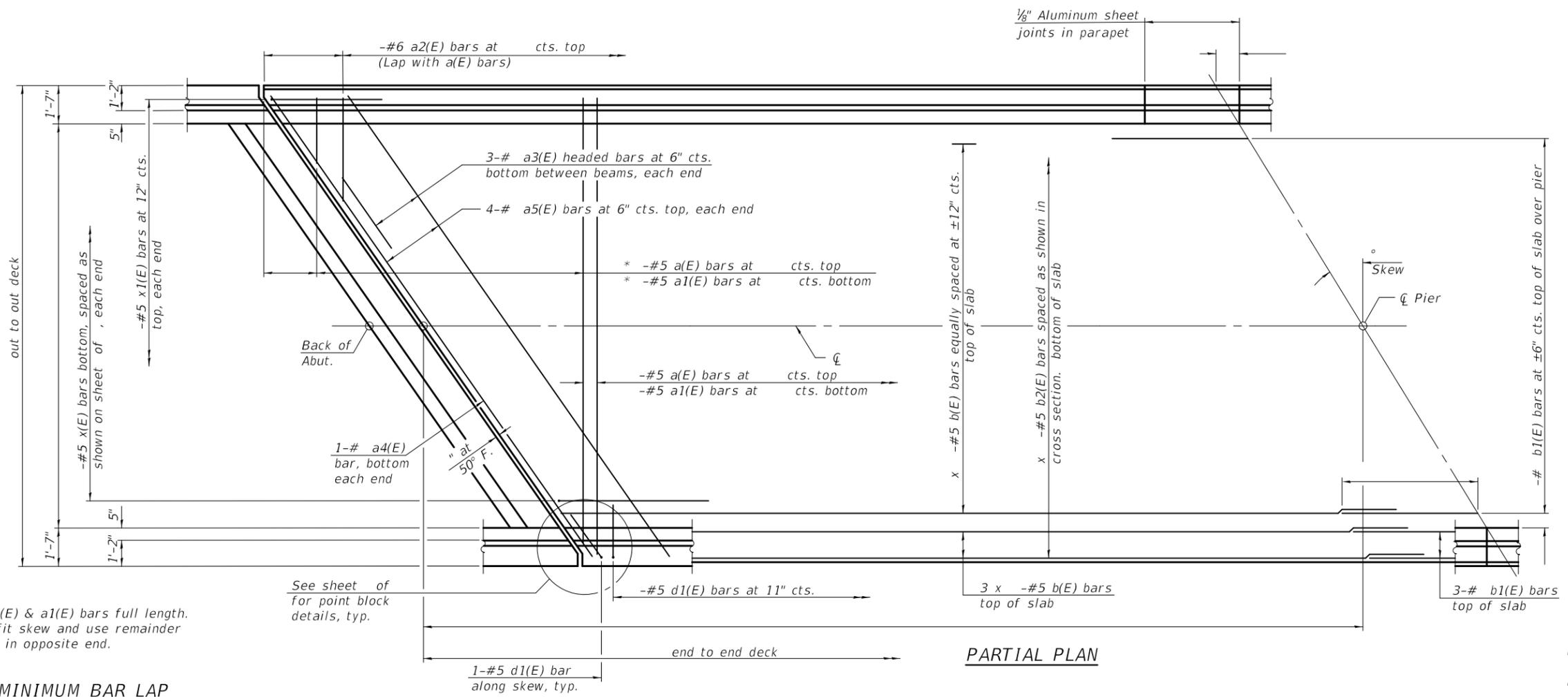
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

MINIMUM BAR LAP
#5 bar = 3'-6"



SE-IL3672-2-L($\leq 30^\circ$) 2-17-2017

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



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

MINIMUM BAR LAP
#5 bar = 3'-6"

See sheet of for point block details, typ.

PARTIAL PLAN

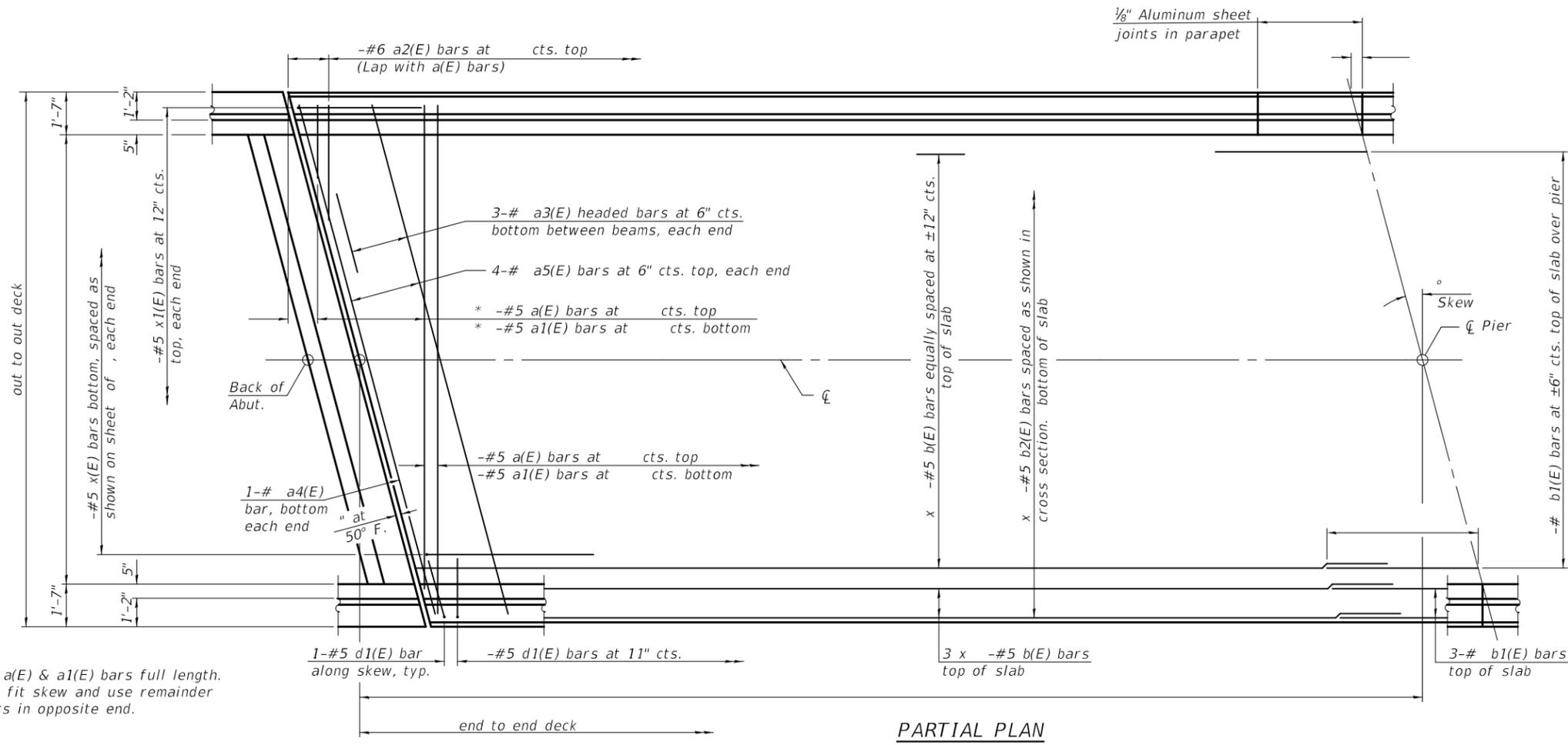
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SE-IL3672-2-R(>30°) 2-17-2017

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



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

MINIMUM BAR LAP
#5 bar = 3'-6"

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

SE-IL3672-2-R($\leq 30^\circ$) 2-17-2017

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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		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								