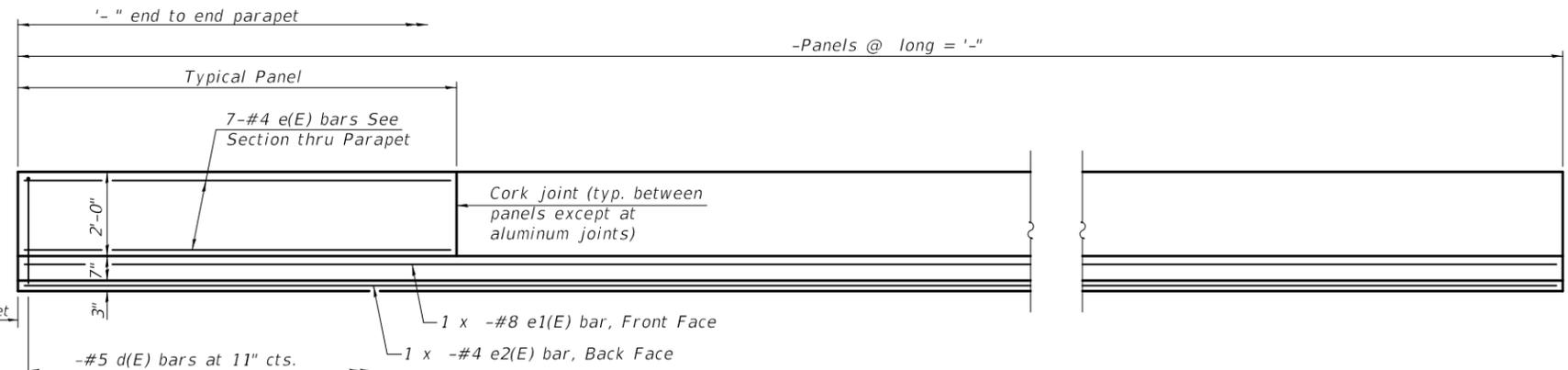


CELL / MODEL NAME	DESCRIPTION	DATE
SDI-BT6372-1	Superstructure Details; Integral; Bulb T-Beam 63-72 inch beam depth; Single span	2/17/2017
SDI-BT6372-2	Superstructure Details; Integral; Bulb T-Beam 63-72 inch beam depth; Multi-span	2/17/2017
SDI-I3642-1	Superstructure Details; Integral; I-Beam 36-42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

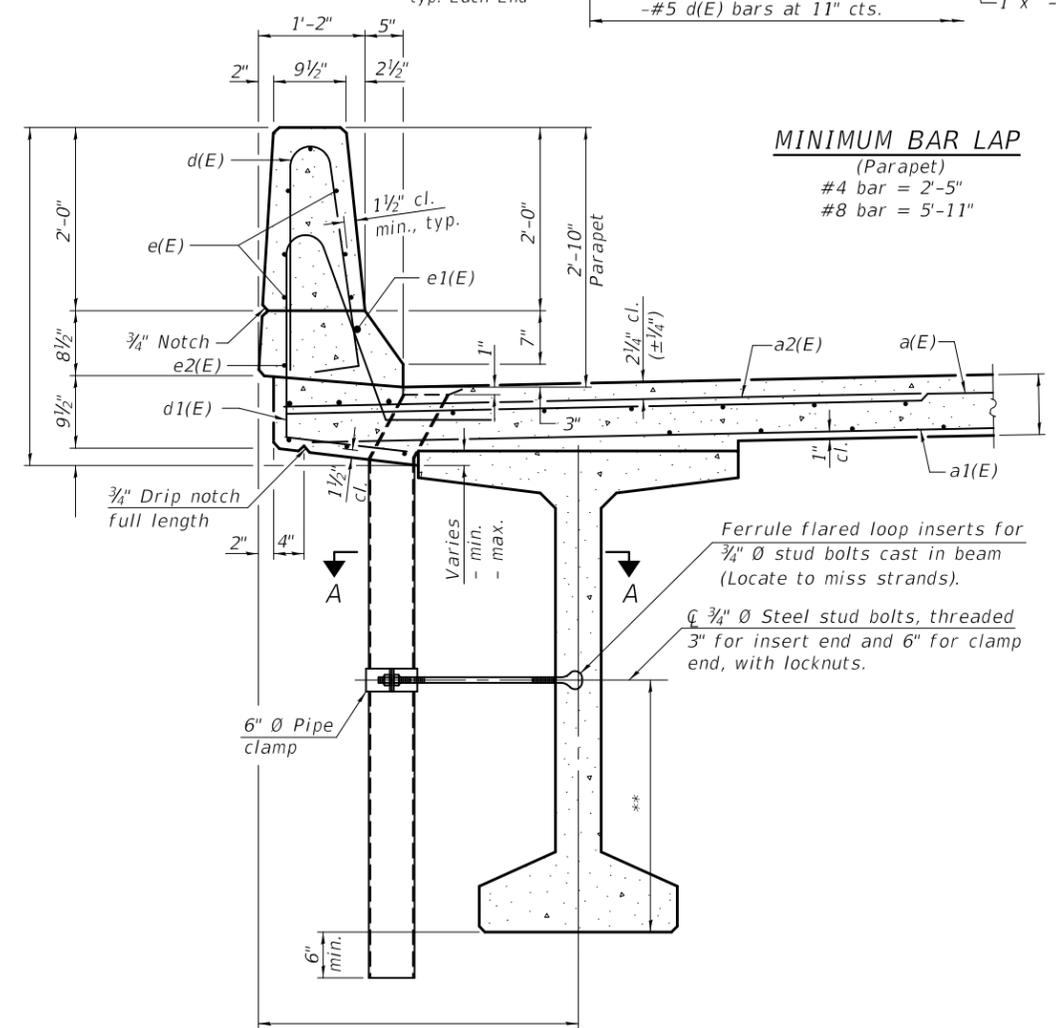
SDI-IL6372-1	Superstructure Details; Integral; IL 63-72 inch beam depth; Single span	2/17/2017
SDI-IL6372-2	Superstructure Details; Integral; IL 63-72 inch beam depth; Multi-span	2/17/2017
SDI-IL6372N-1	Superstructure Details; Integral; IL 63-72 inch beam depth narrow top; Single span	2/17/2017
SDI-IL6372N-2	Superstructure Details; Integral; IL 63-72 inch beam depth narrow top; Multi-span	2/17/2017
SI-BT6372-1-0	Superstructure; Integral; I-Beam 63-72; Single span; No skew	2/17/2017
SI-BT6372-1-L-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Left skew; Greater than 30 degrees	2/17/2017
SI-BT6372-1-L-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-BT6372-1-R-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Right skew > 30 degrees	2/17/2017
SI-BT6372-1-R-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-BT6372-2-0	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; No skew	2/17/2017
SI-BT6372-2-L-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Left skew > 30 degrees	2/17/2017
SI-BT6372-2-L-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-BT6372-2-R-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Right skew > 30 degrees	2/17/2017
SI-BT6372-2-R-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-I3654-1-0	Superstructure; Integral; I-Beam 36-54; Single span; No skew	2/17/2017
SI-I3654-1-L-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Left skew > 30 degrees	2/17/2017
SI-I3654-1-L-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Left skew; Less than or equal to 30 degrees	2/17/2017

SI-I3654-1-R-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Right skew > 30 degrees	2/17/2017
SI-I3654-1-R-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-I3654-2-0	Superstructure; Integral; I-Beam 36-54; Multi-span; No skew	2/17/2017
SI-I3654-2-L-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Left skew > 30 degrees	2/17/2017
SI-I3654-2-L-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-I3654-2-R-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Right skew > 30 degrees	2/17/2017
SI-I3654-2-R-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-IL2772N-1-0	Superstructure; Integral; IL 27-72 narrow top; Single span; No skew	2/17/2017
SI-IL2772N-1-L-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Left skew > 30 degrees	2/17/2017
SI-IL2772N-1-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-IL2772N-1-R-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Right skew > 30 degrees	2/17/2017
SI-IL2772N-1-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-IL2772N-2-0	Superstructure; Integral; IL 27-72 narrow top; Multi-span; No skew	2/17/2017
SI-IL2772N-2-L-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Left skew > 30 degrees	2/17/2017
SI-IL2772N-2-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-IL2772N-2-R-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Right skew > 30 degrees	2/17/2017
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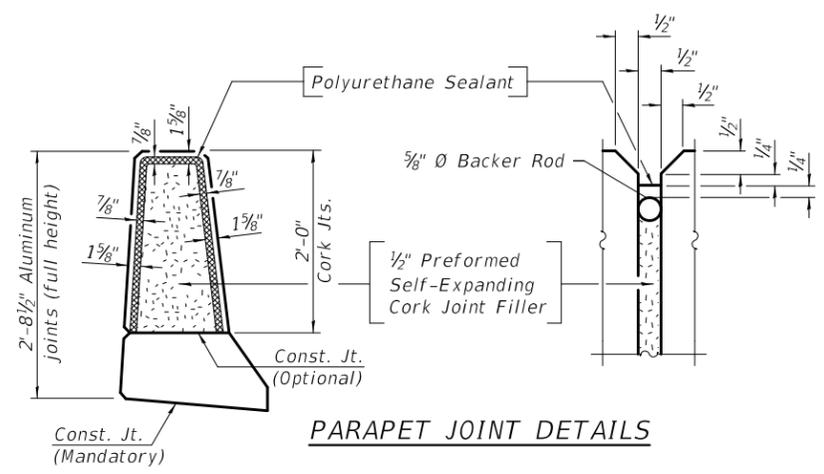
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SI-IL3672-1-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Single span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-IL3672-1-R-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Single span; Right skew > 30 degrees	2/17/2017
SI-IL3672-1-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Single span; Right skew; Less than or equal to 30 degrees	2/17/2017
SI-IL3672-2-0	Superstructure; Integral; IL 36-72; Multi-span; No skew	2/17/2017
SI-IL3672-2-L-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Left skew > 30 degrees	2/17/2017
SI-IL3672-2-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Left skew; Less than or equal to 30 degrees	2/17/2017
SI-IL3672-2-R-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Right skew > 30 degrees	2/17/2017
SI-IL3672-2-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Right skew; Less than or equal to 30 degrees	2/17/2017



INSIDE ELEVATION OF PARAPET

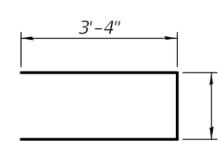
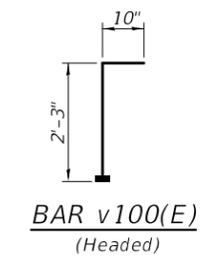


MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"

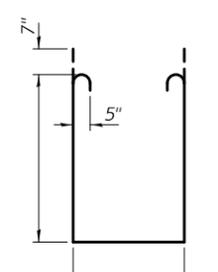


PARAPET JOINT DETAILS

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\"/>



BAR s10(E)



BAR s11(E)

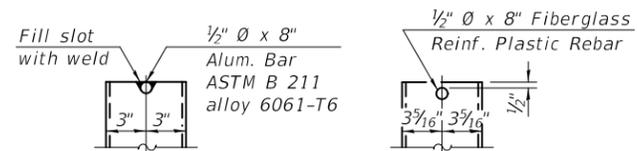
SUPERSTRUCTURE
BILL OF MATERIAL

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

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

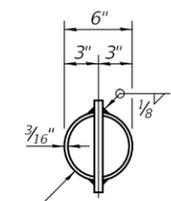
SECTION THRU PARAPET

**For insert locations, see sheet of



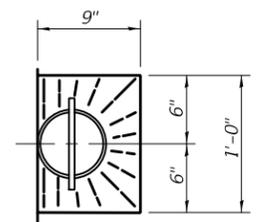
ALUMINUM TUBE

FIBERGLASS PIPE

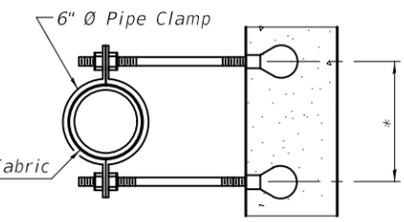


6" O.D. Aluminum Tube alloy 6061-T6 or 6" Ø Fiberglass Pipe

TOP PLAN (Showing Aluminum Tube)

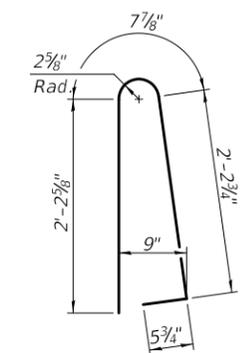


TOP PLAN

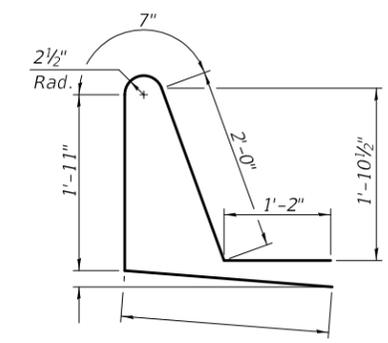


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

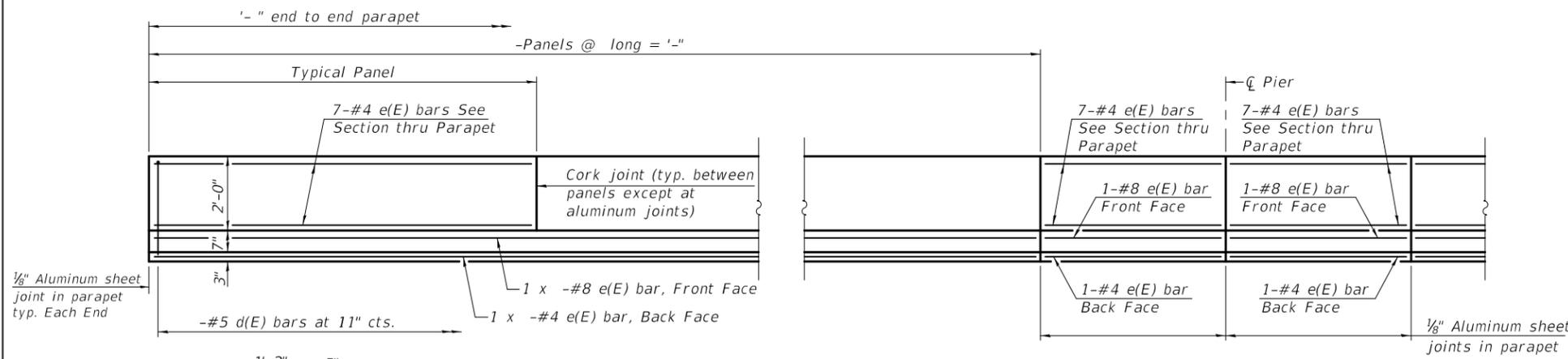
SDI-BT6372-1 2-17-2017

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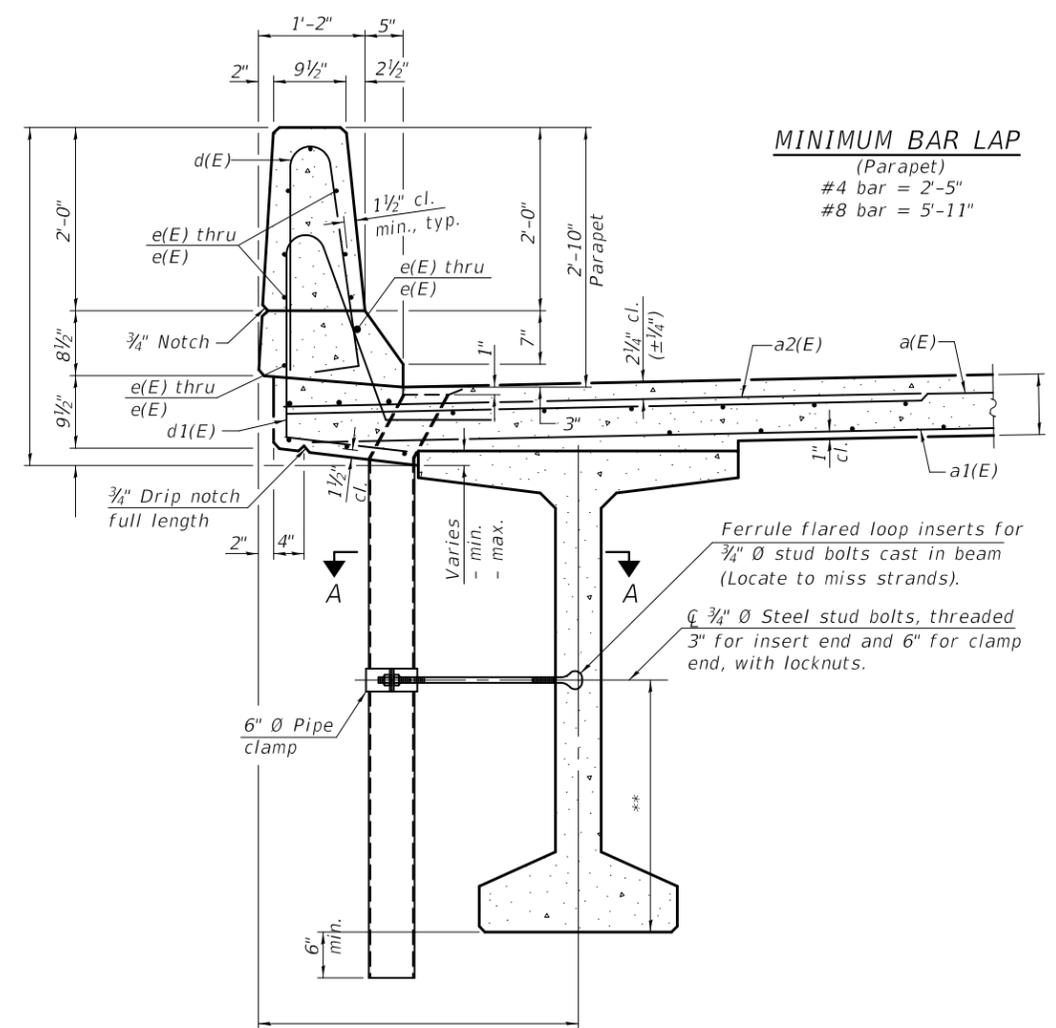
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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

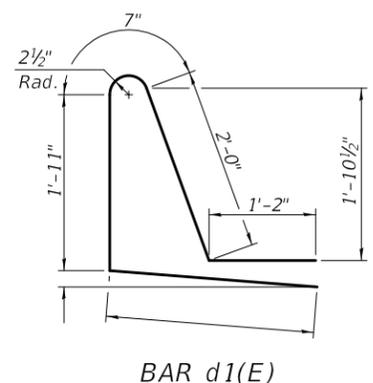
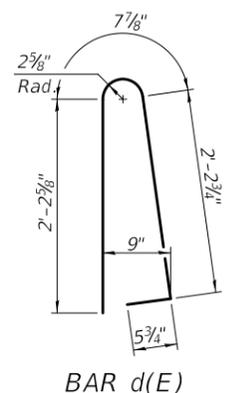
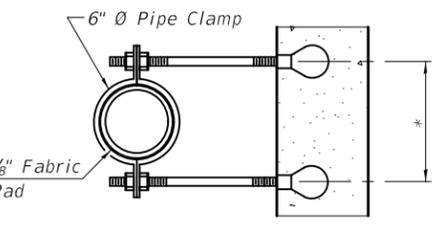
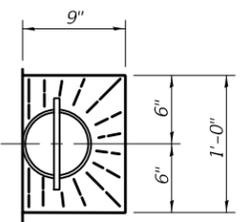
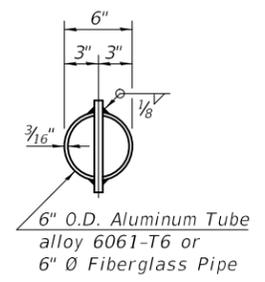
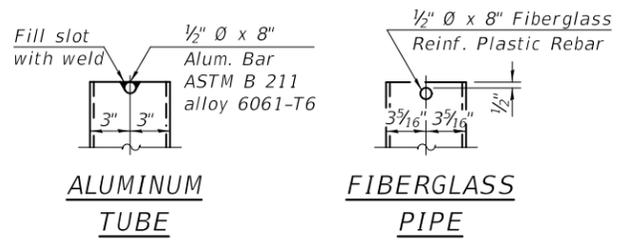


INSIDE ELEVATION OF PARAPET

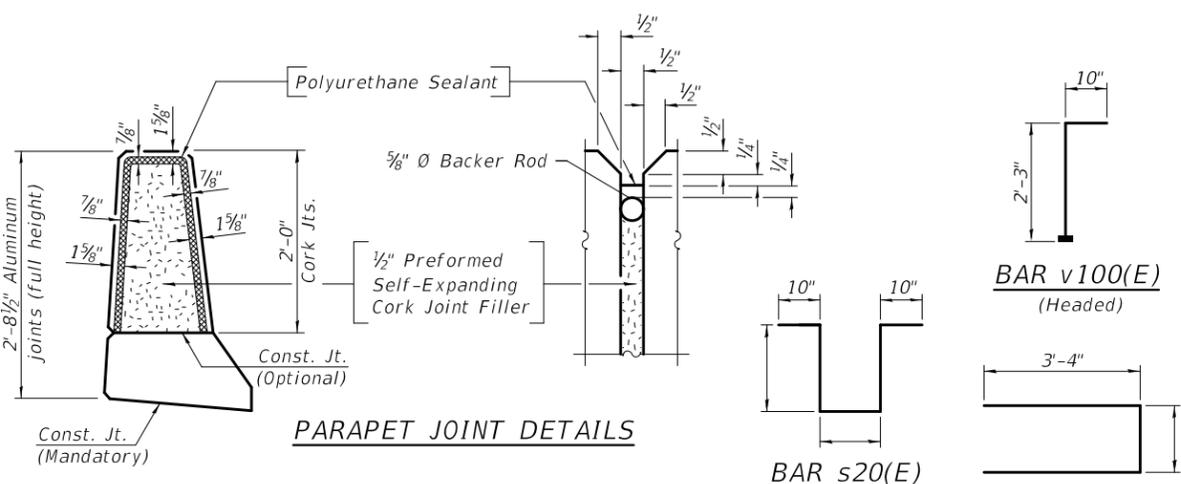


SECTION THRU PARAPET

**For insert locations, see sheet of



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



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)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	└
d1(E)		#5		└
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		└
s11(E)		#5		└
s20(E)		#5		└
v100(E)		#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

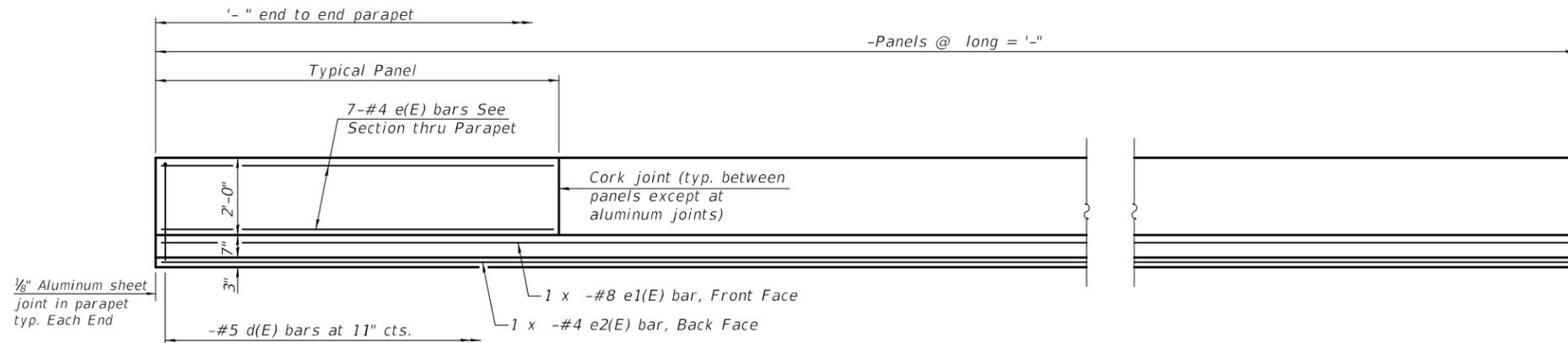
SDI-BT6372-2 2-17-2017

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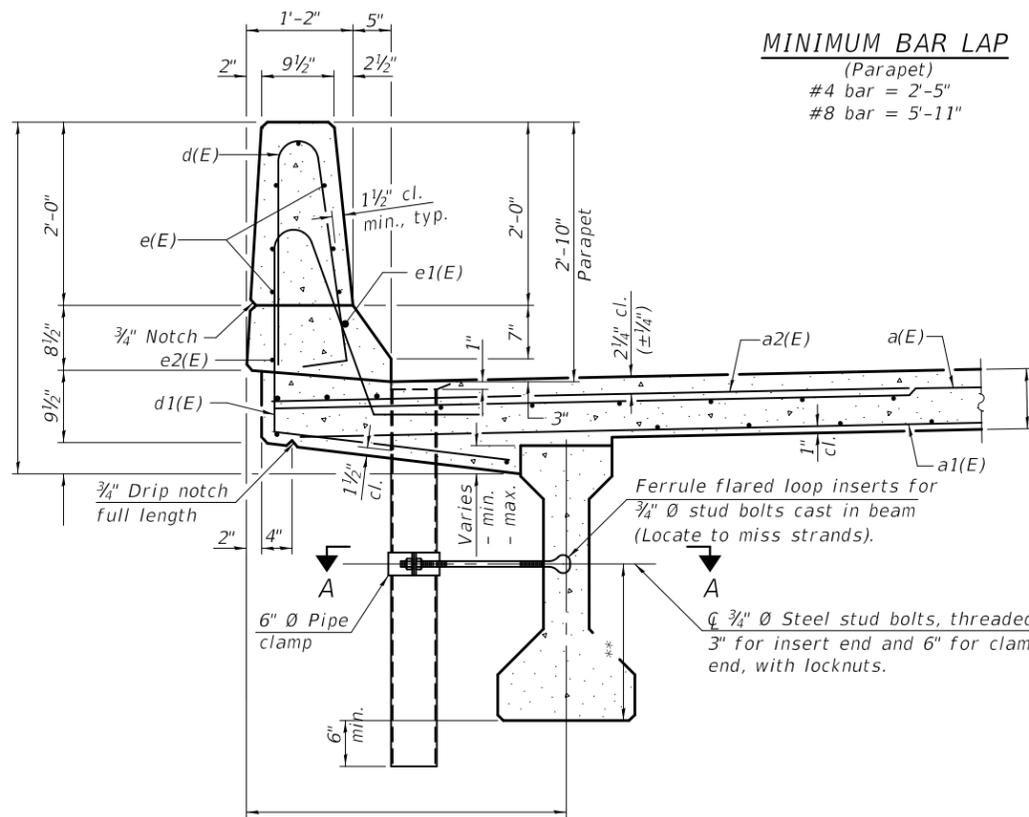
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

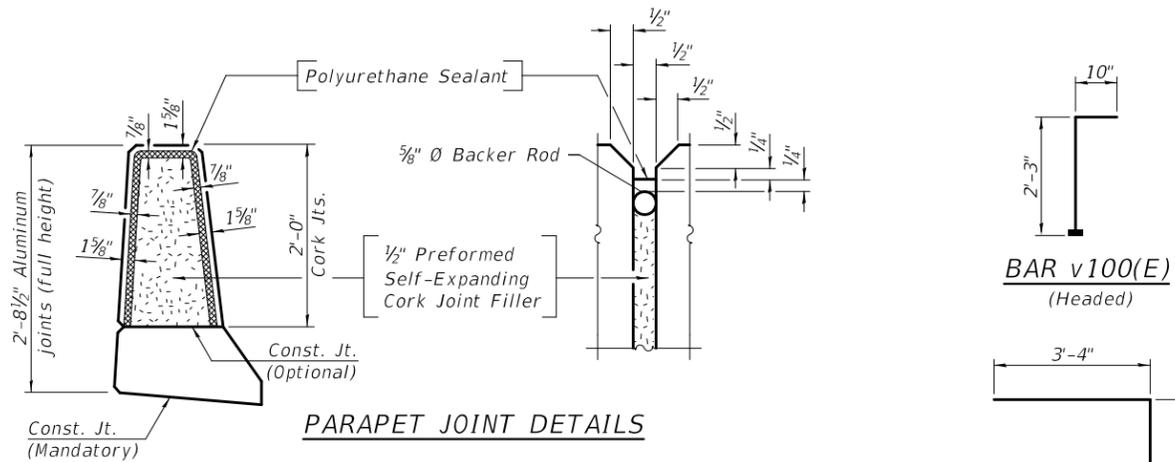


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

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



PARAPET JOINT DETAILS

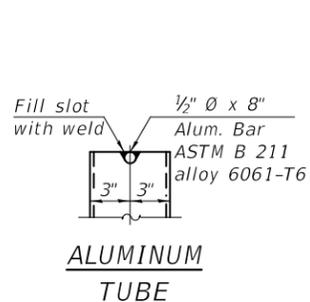
Notes:

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
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The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

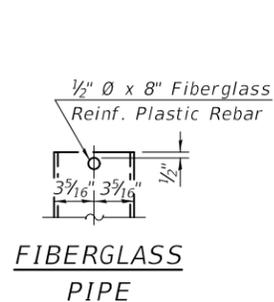
SUPERSTRUCTURE BILL OF MATERIAL

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

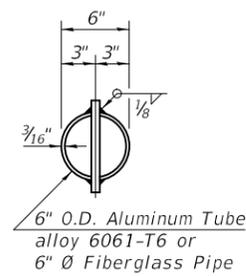
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

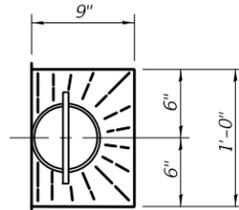


FIBERGLASS PIPE

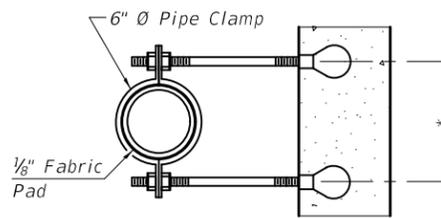


TOP PLAN

(Showing Aluminum Tube)

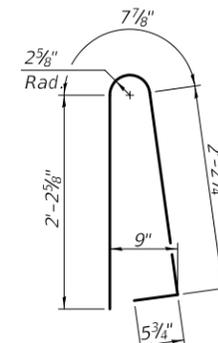


TOP PLAN

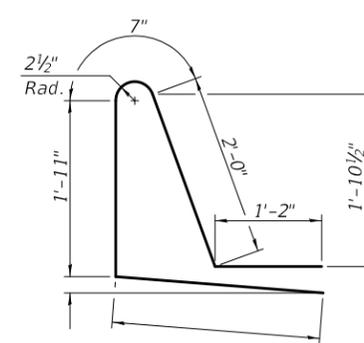


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-13642-1

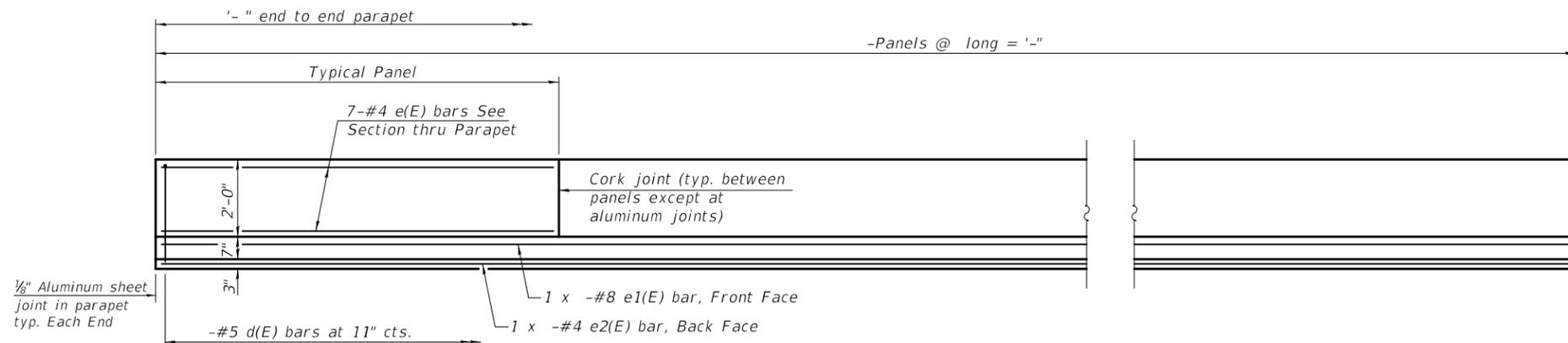
2-17-2017

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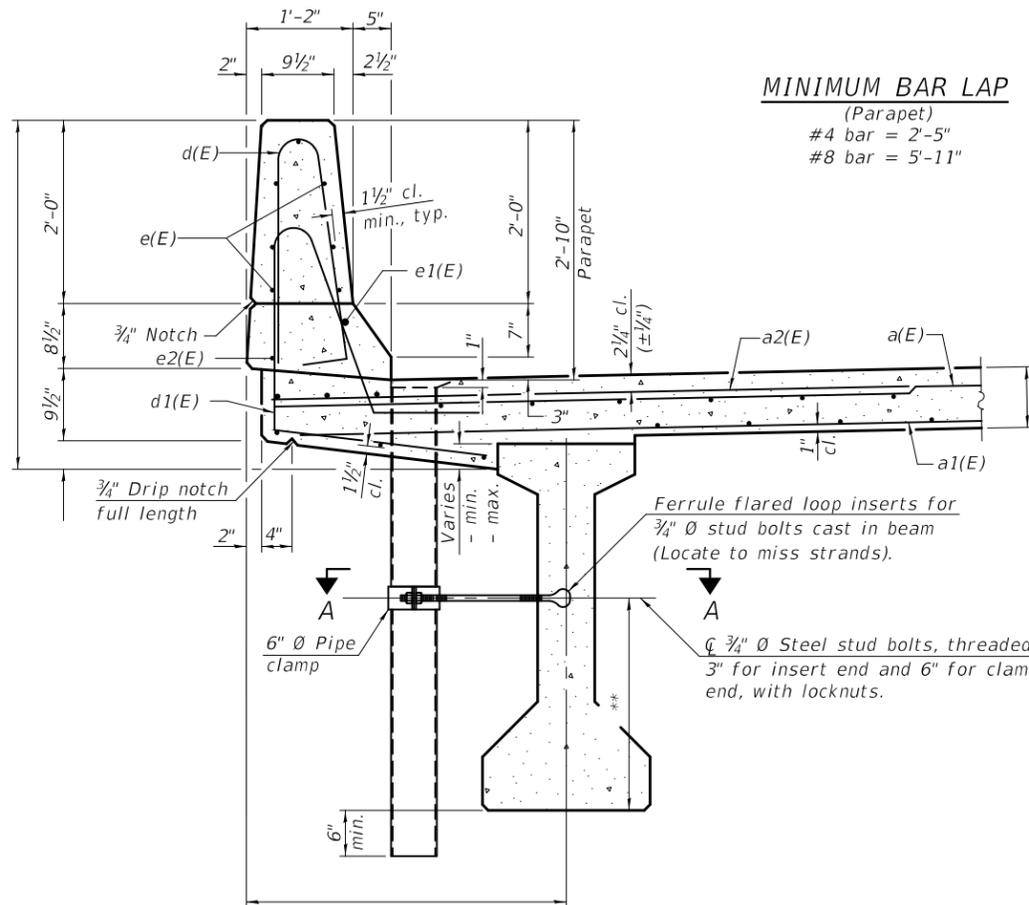
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

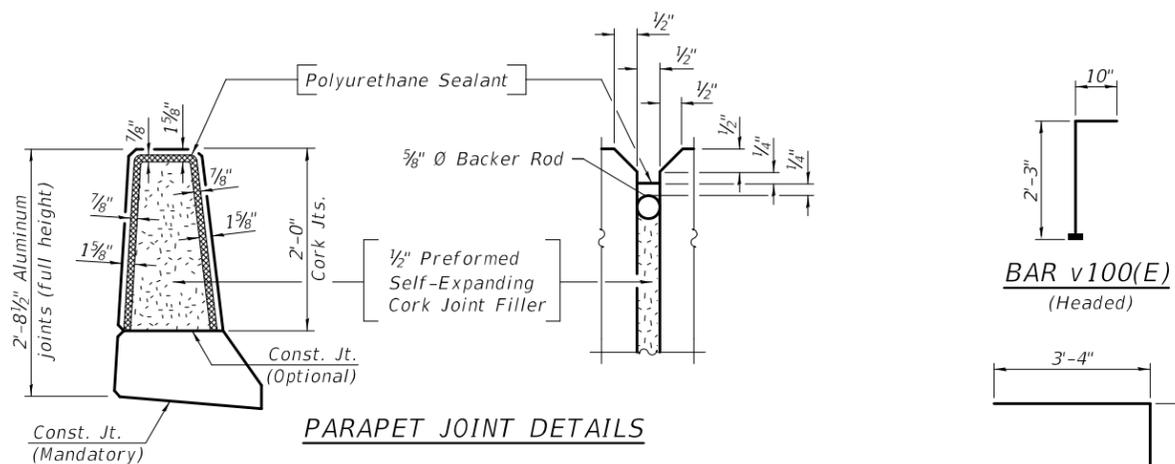


SECTION THRU PARAPET

**For insert locations, see sheet of

MINIMUM BAR LAP

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



PARAPET JOINT DETAILS

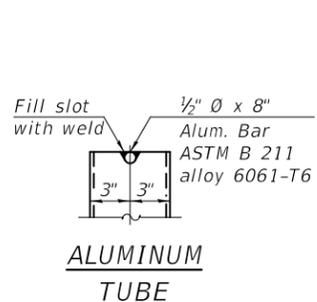
Notes:

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.

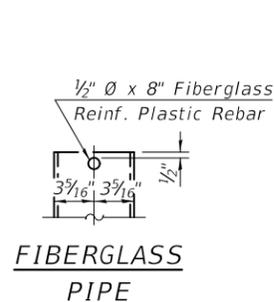
SUPERSTRUCTURE BILL OF MATERIAL

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

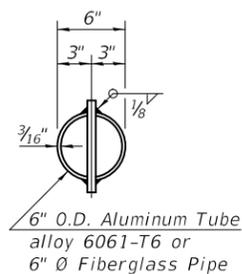
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



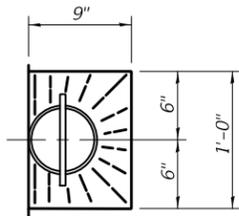
ALUMINUM TUBE



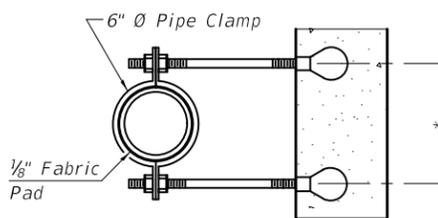
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

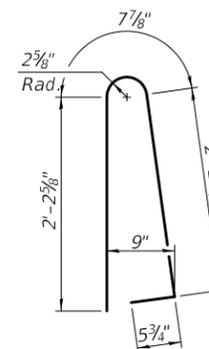


TOP PLAN

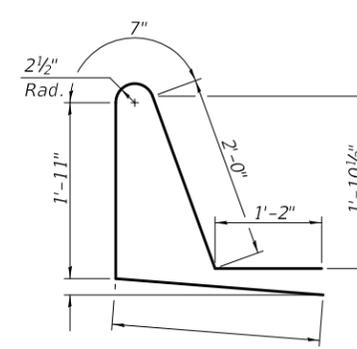


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-I4854-1

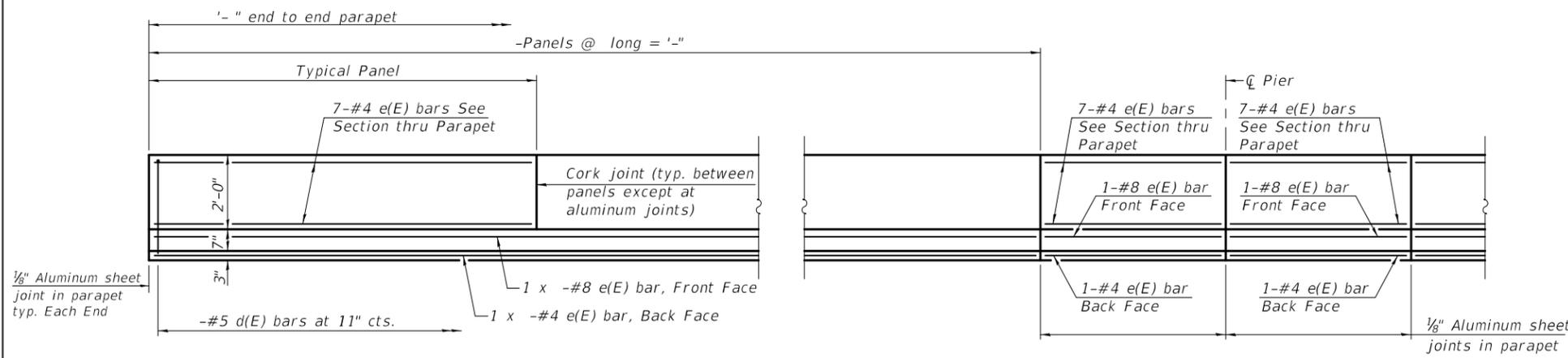
2-17-2017

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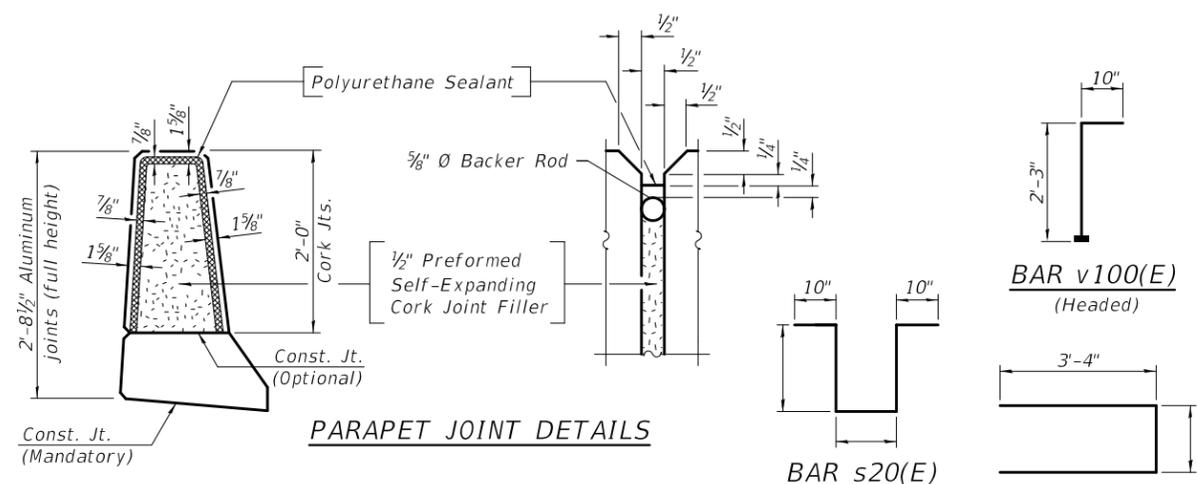
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

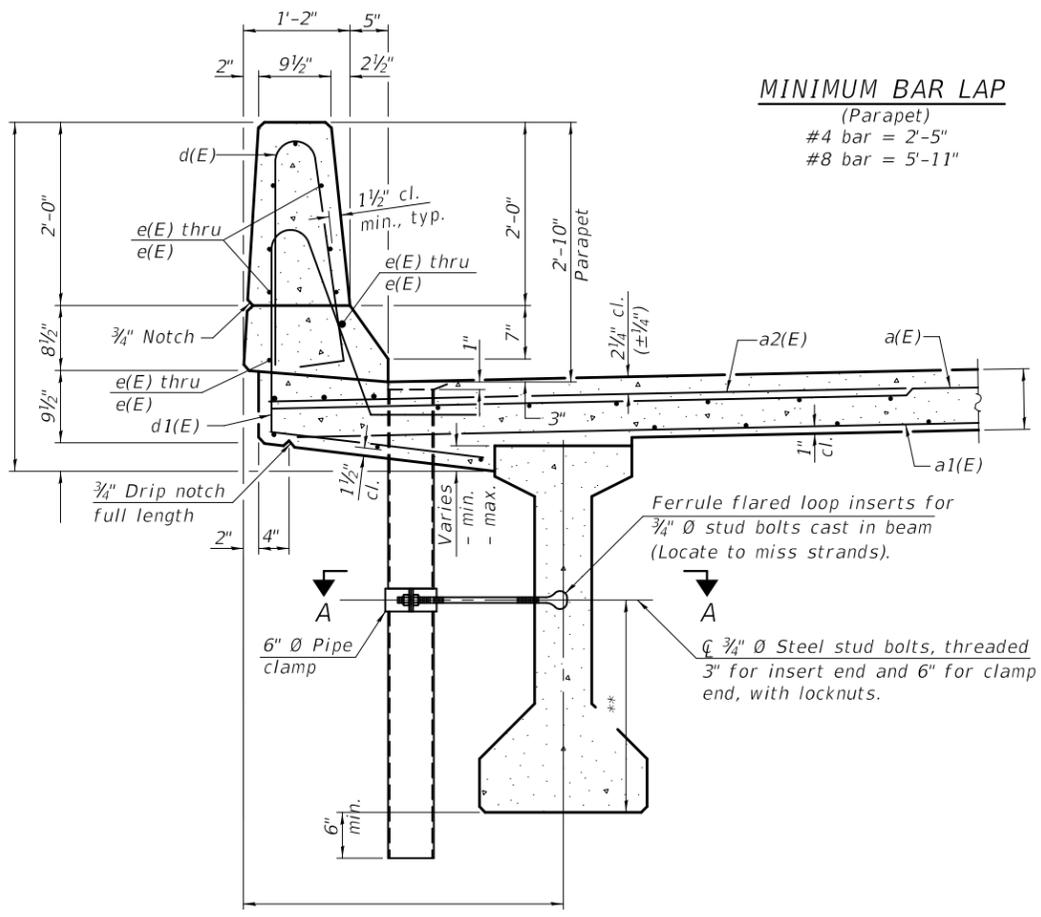
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



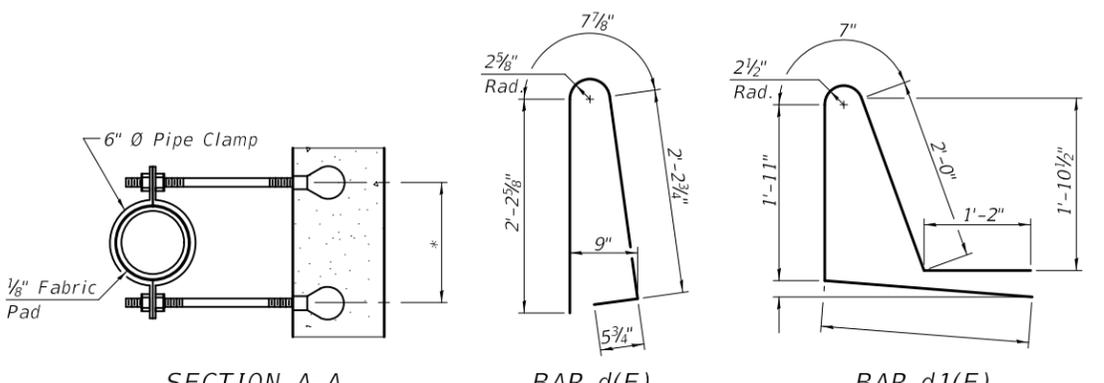
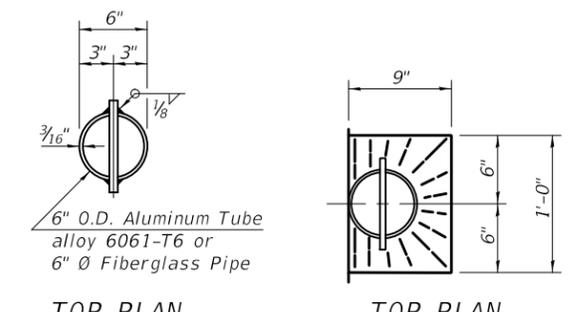
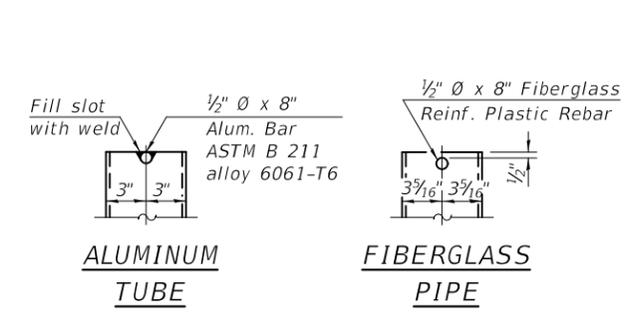
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"



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.
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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.



SECTION THRU PARAPET
**For insert locations, see sheet of



SUPERSTRUCTURE BILL OF MATERIAL

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

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

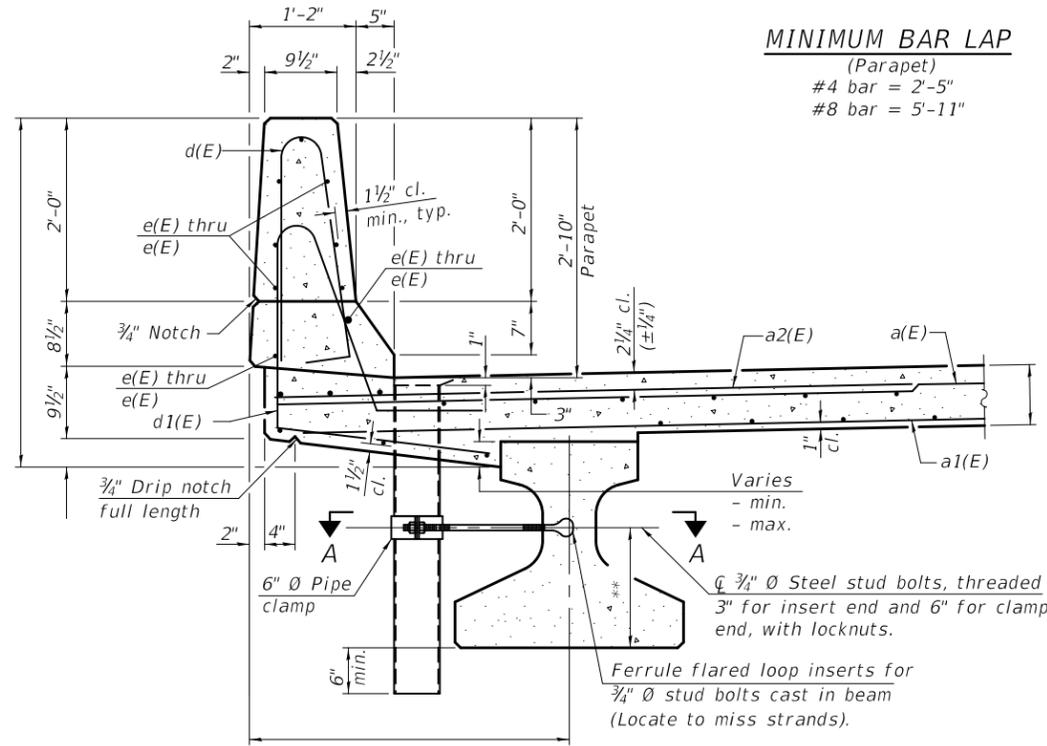
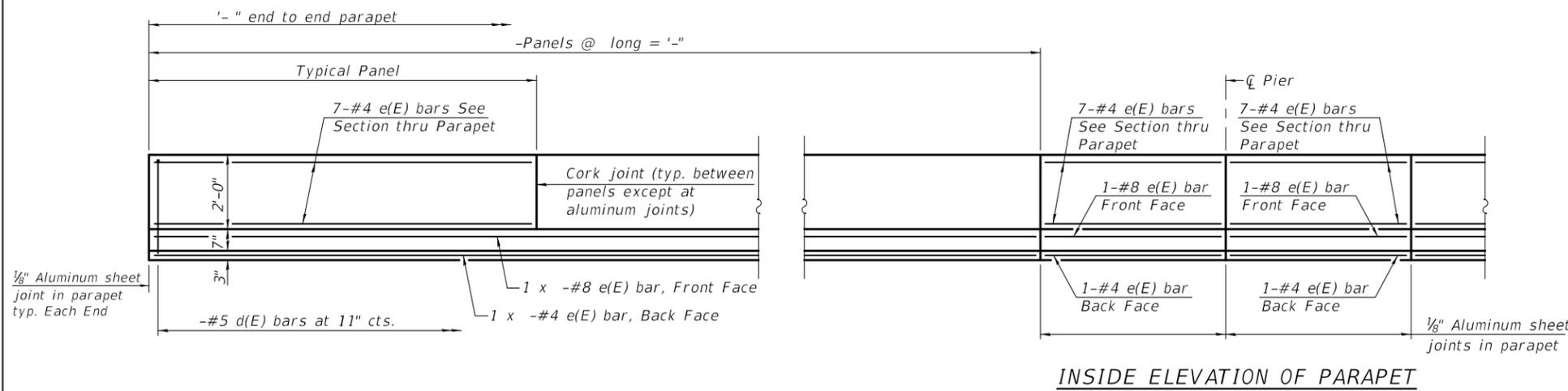
SDI-I4854-2 2-17-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

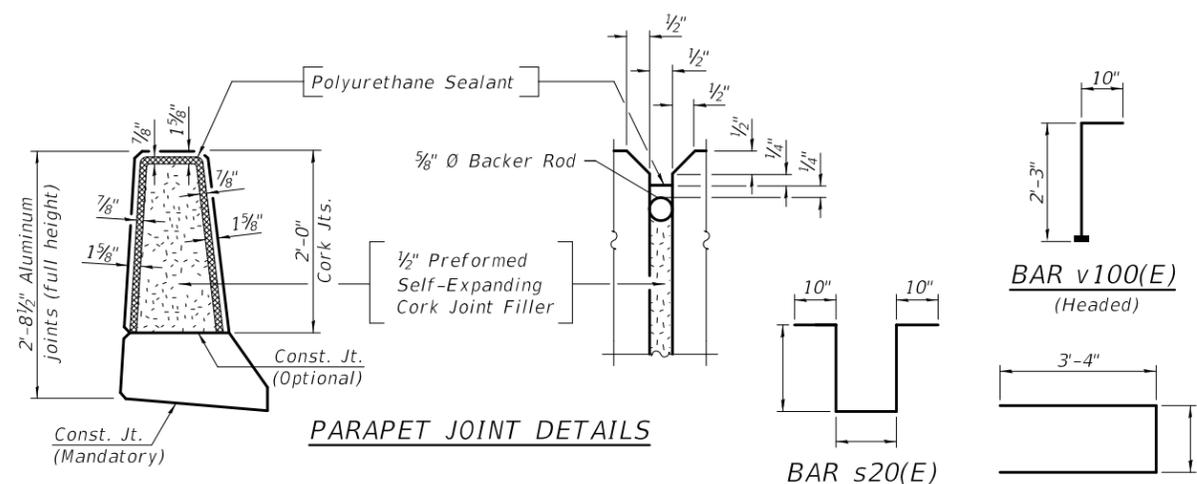
SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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

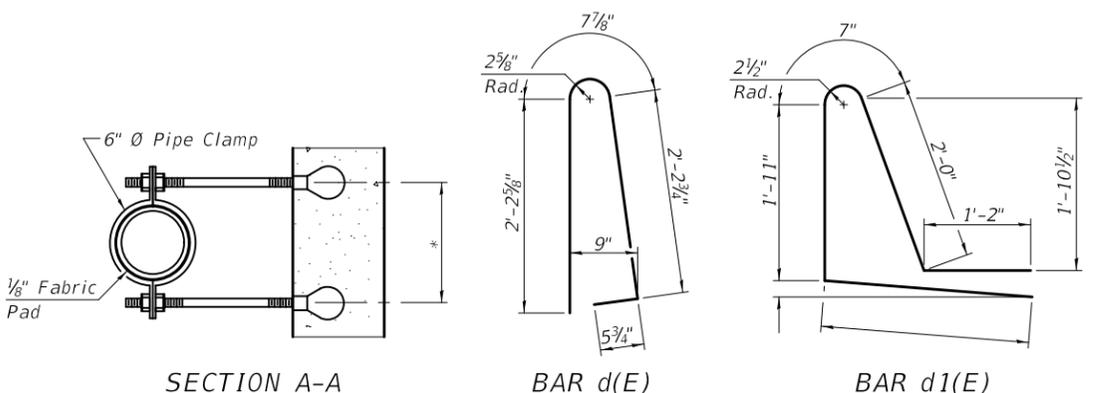
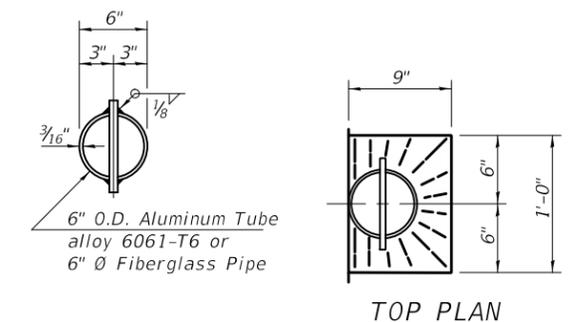
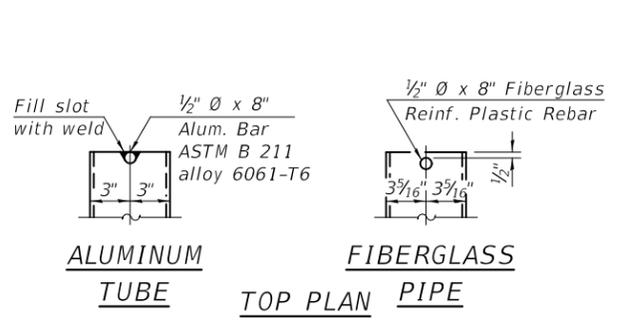


SECTION THRU PARAPET
**For insert locations, see sheet of

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.
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The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 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)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	└
d1(E)		#5		└
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		└
s11(E)		#5		└
s20(E)		#5		└
v100(E)		#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

SDI-IL27-2

2-17-2017

(Showing Aluminum Tube)

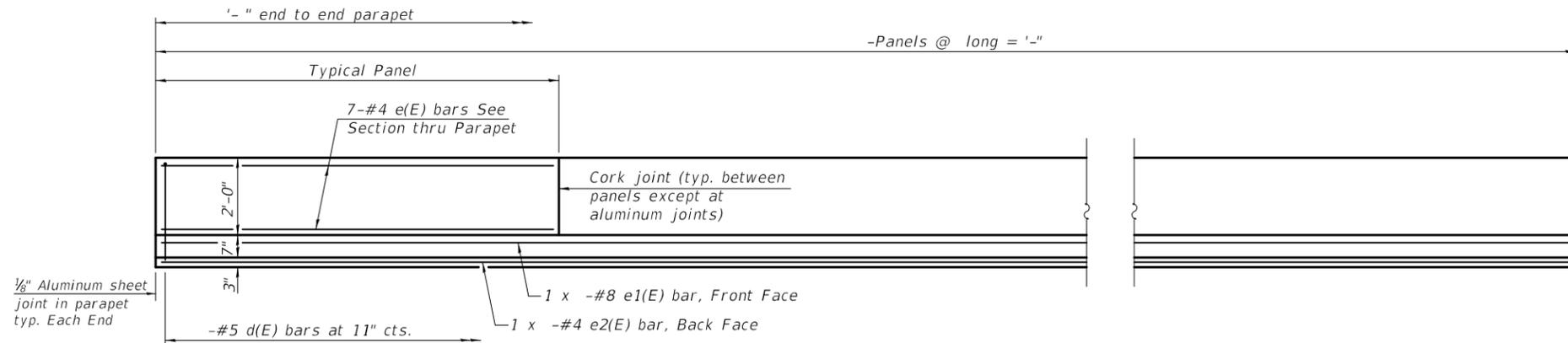
*Dimension as required by Pipe Clamp

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		CHECKED -	REVISD -

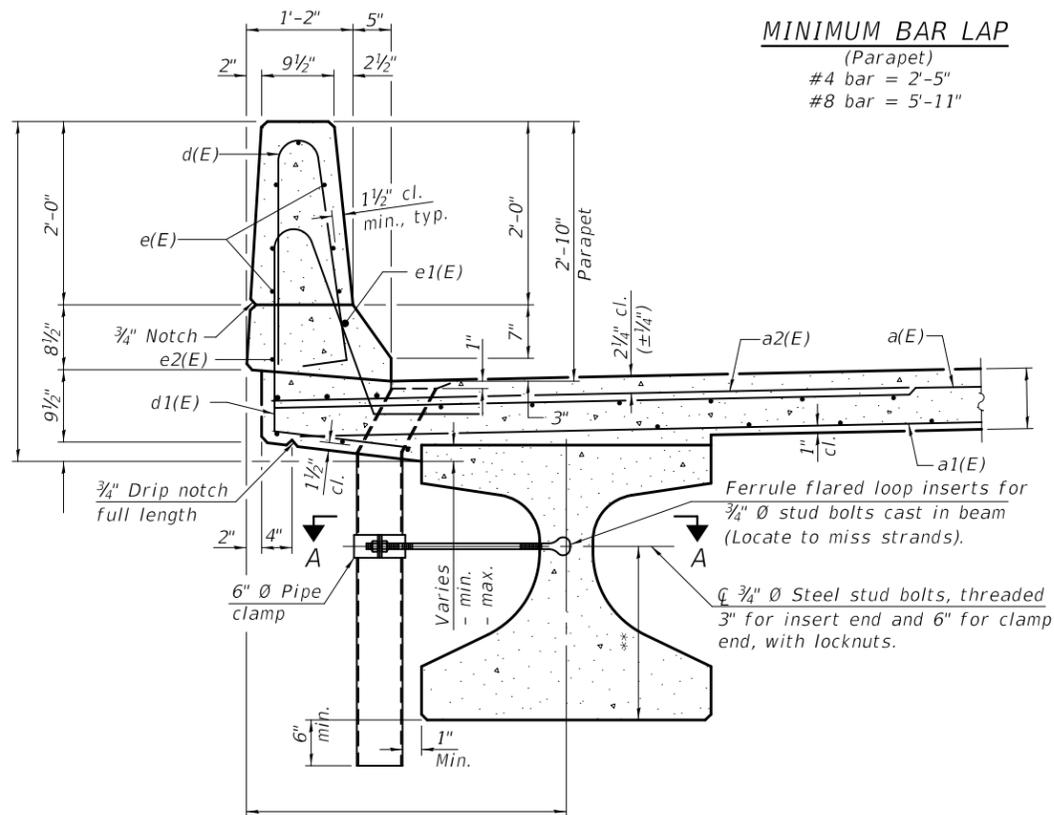
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

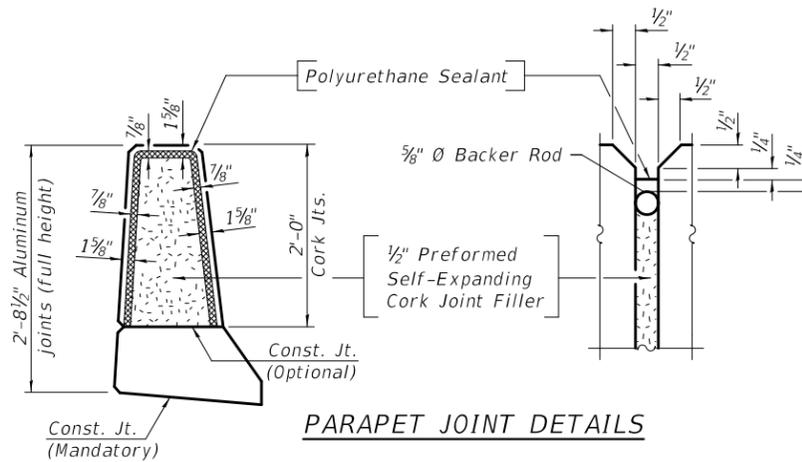


SECTION THRU PARAPET

**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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BAR v100(E)
(Headed)

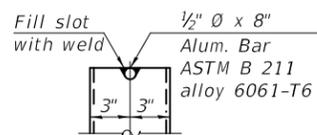
BAR s10(E)

BAR s11(E)

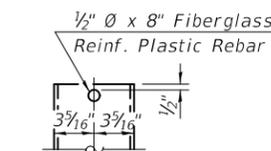
SUPERSTRUCTURE
BILL OF MATERIAL

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

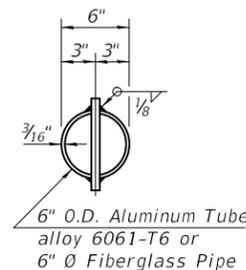
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM
TUBE

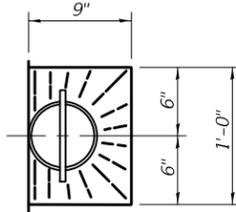


FIBERGLASS
PIPE

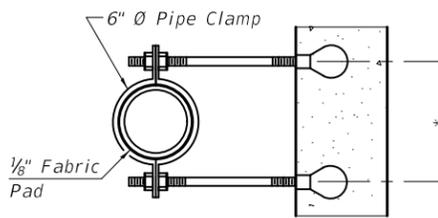


TOP PLAN

(Showing Aluminum Tube)

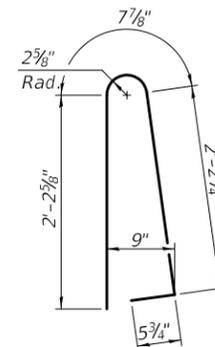


TOP PLAN

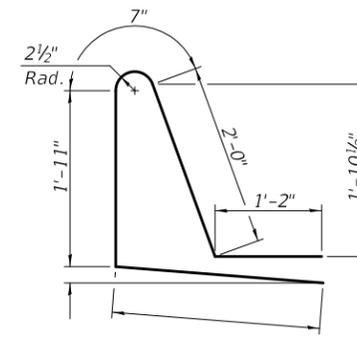


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL36-1

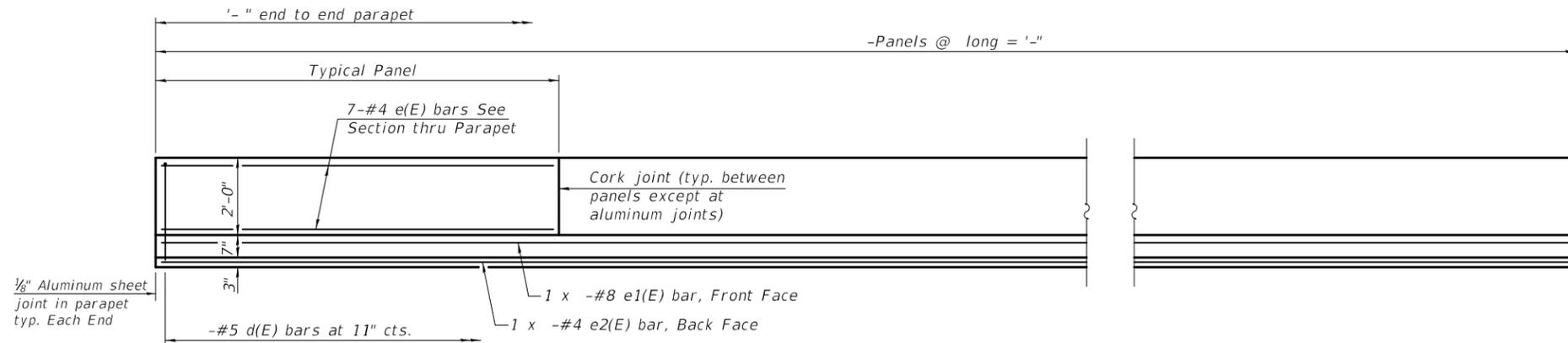
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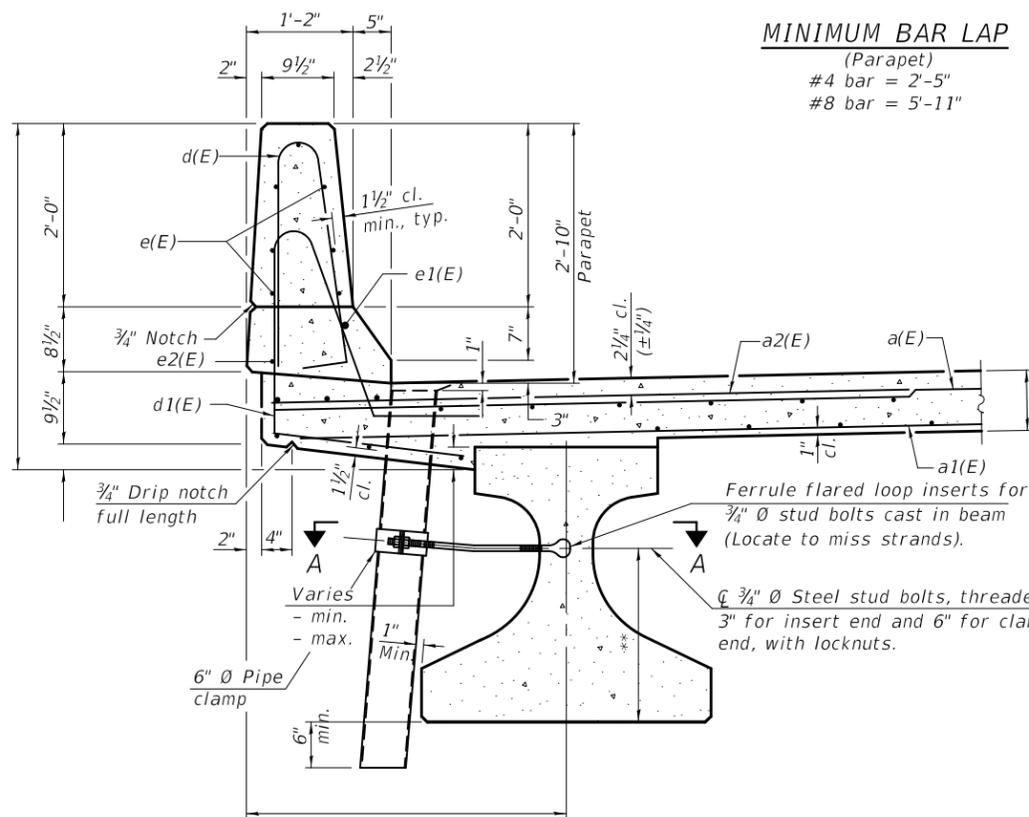
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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



INSIDE ELEVATION OF PARAPET

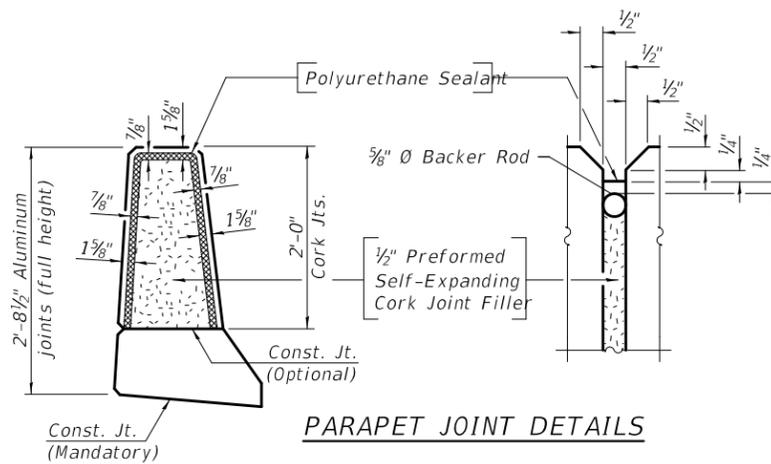


SECTION THRU PARAPET

**For insert locations, see sheet of

MINIMUM BAR LAP

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



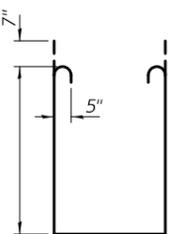
PARAPET JOINT DETAILS

Notes:

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BAR v100(E)
(Headed)

BAR s10(E)

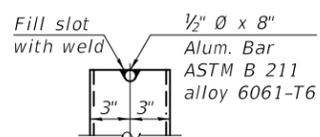


BAR s11(E)

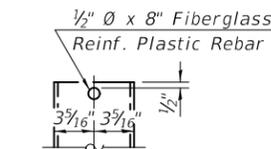
SUPERSTRUCTURE BILL OF MATERIAL

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

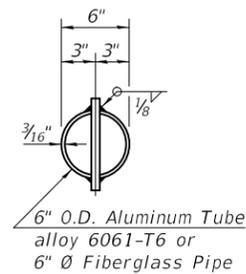
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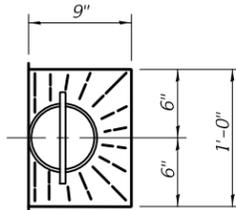
ALUMINUM TUBE



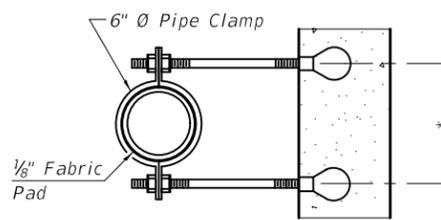
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

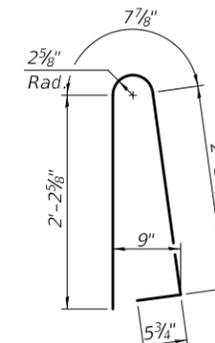


TOP PLAN

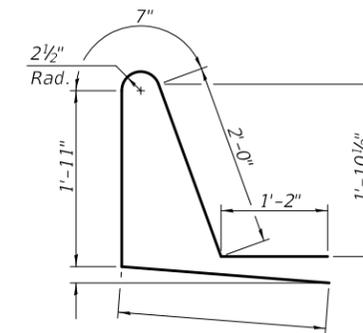


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL36N-1

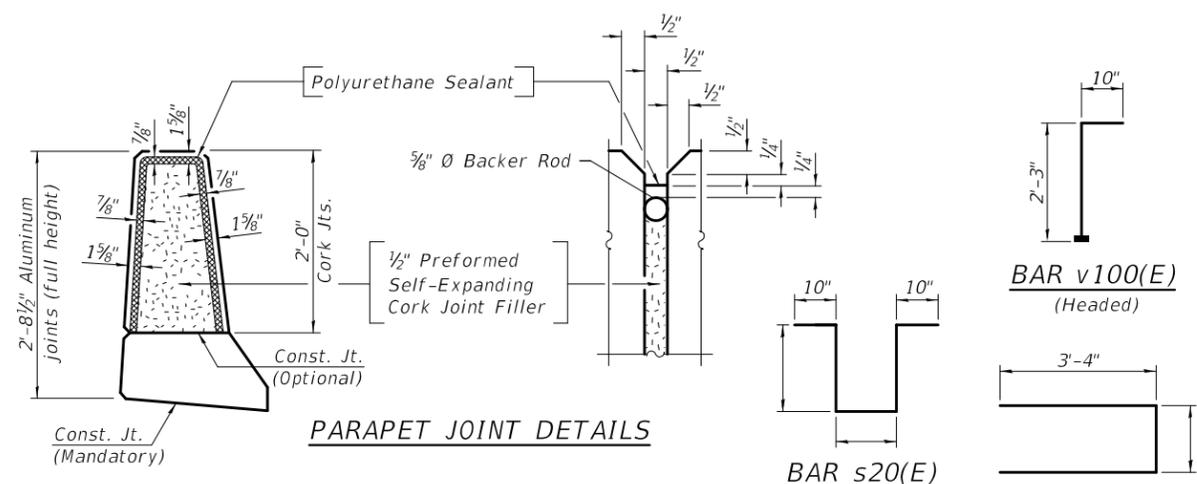
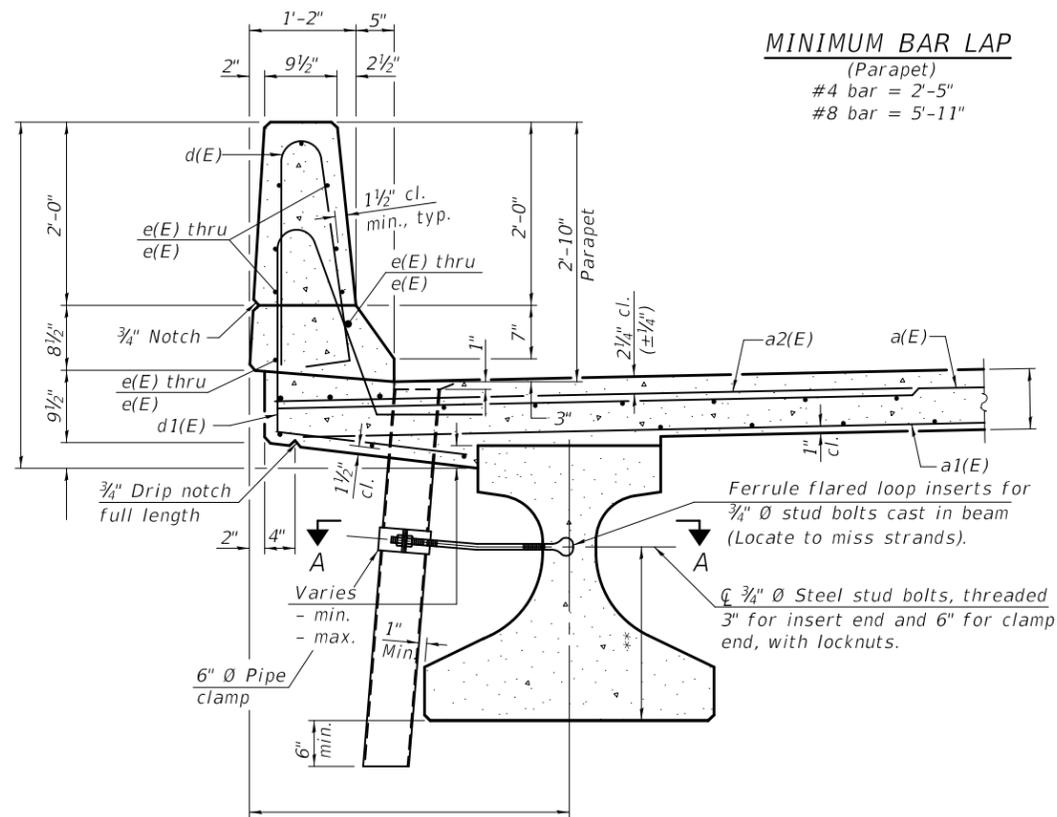
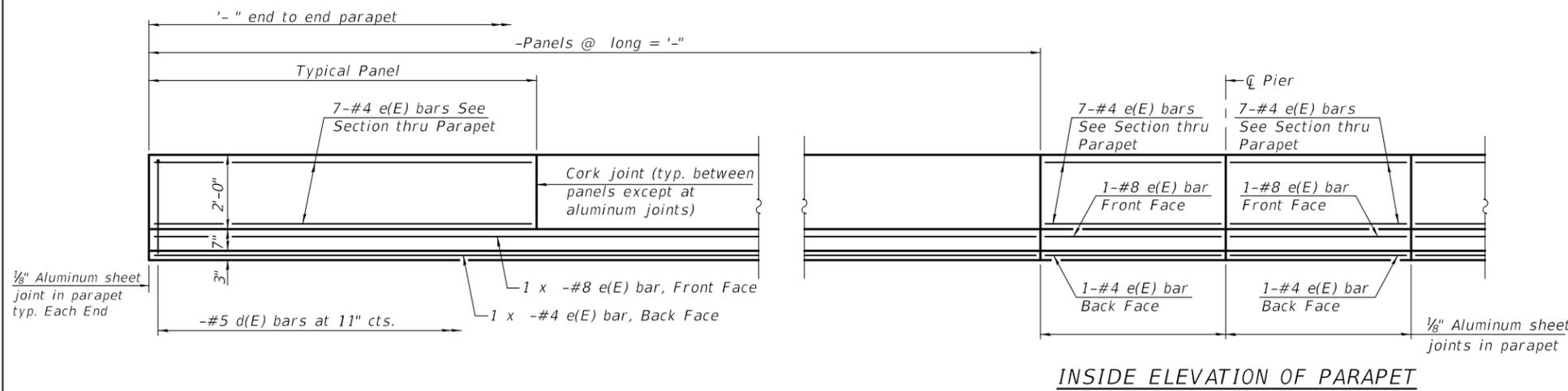
2-17-2017

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

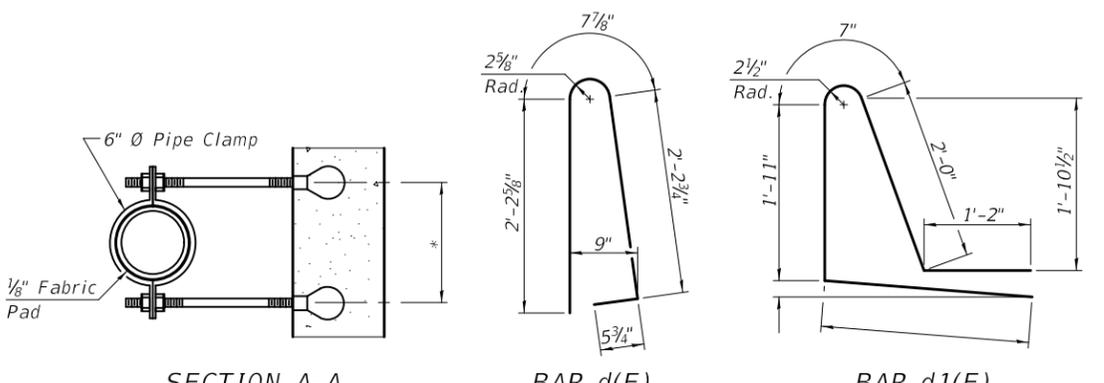
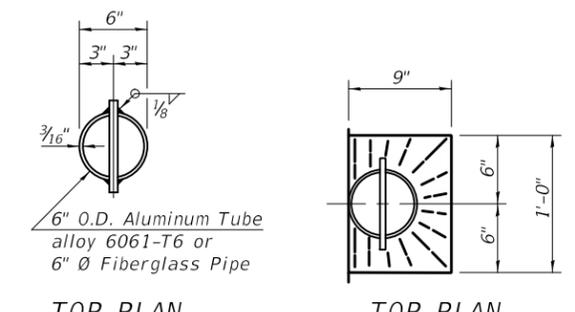
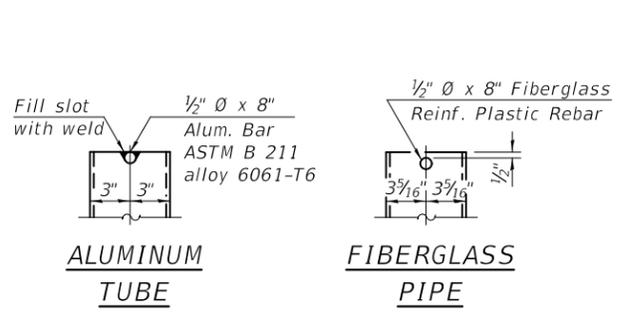
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO.**

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



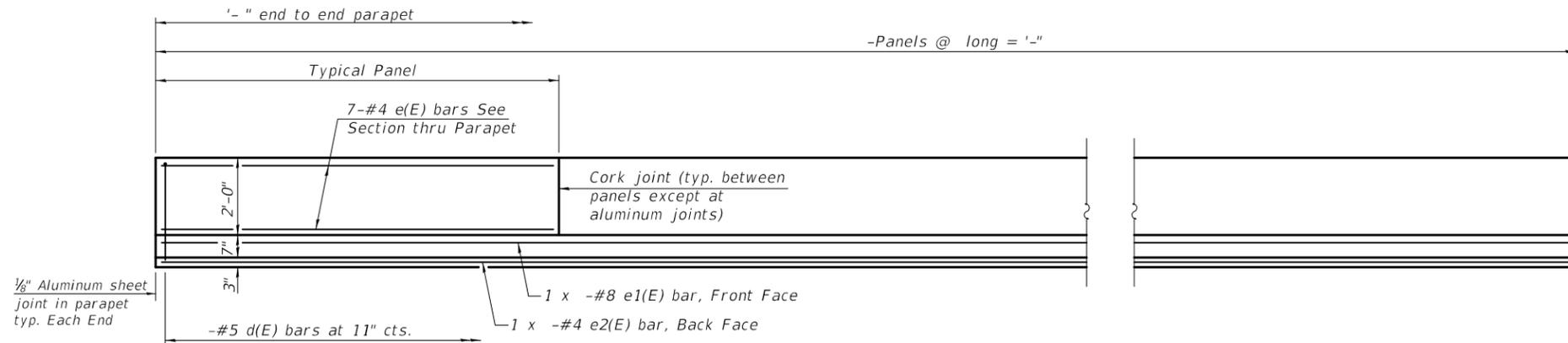
Notes:
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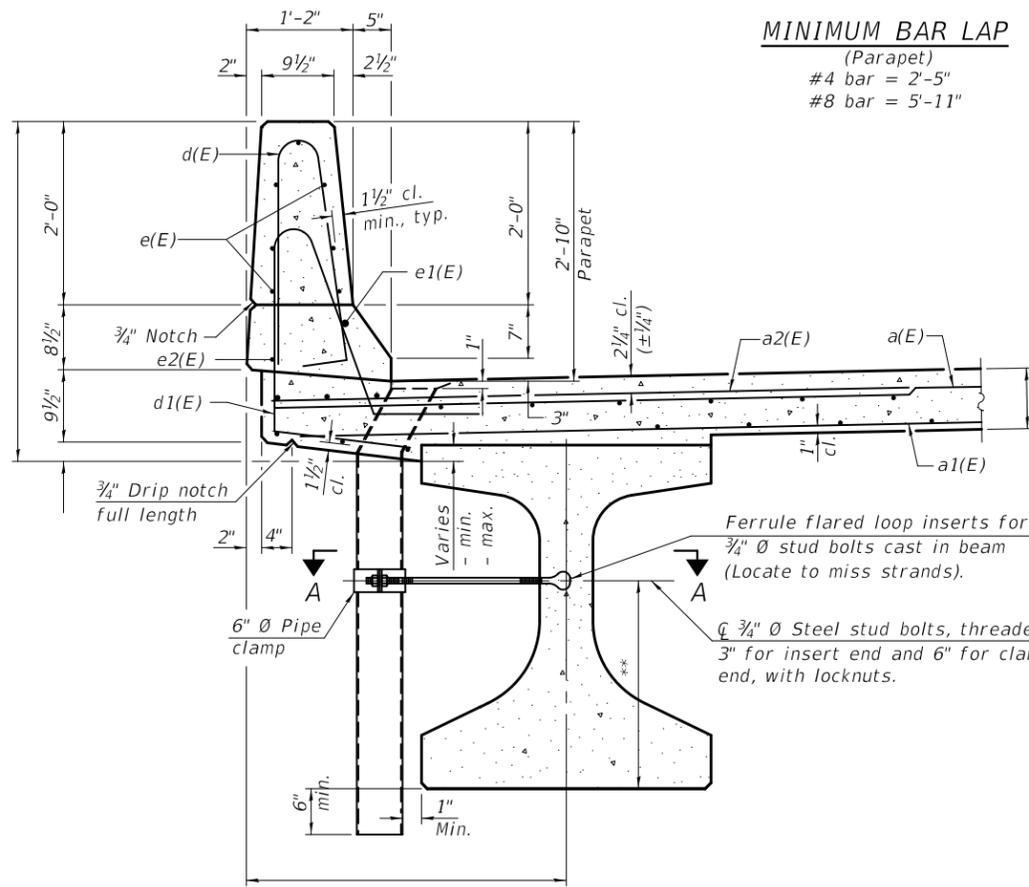
SUPERSTRUCTURE BILL OF MATERIAL

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

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



INSIDE ELEVATION OF PARAPET

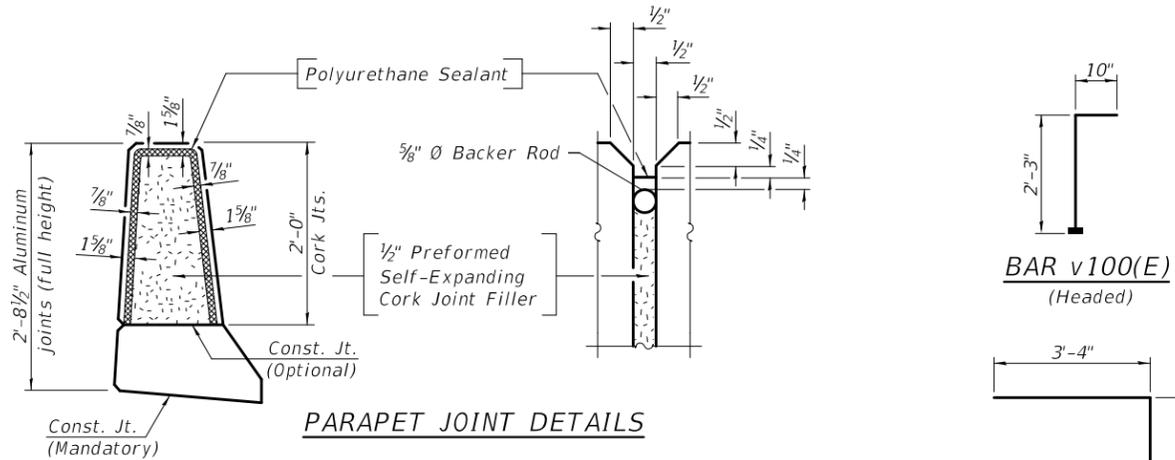


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

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



PARAPET JOINT DETAILS

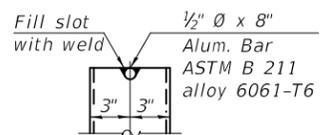
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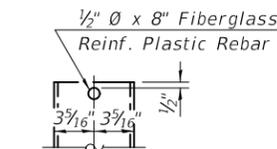
SUPERSTRUCTURE BILL OF MATERIAL

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

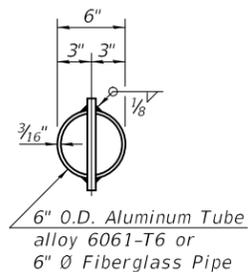
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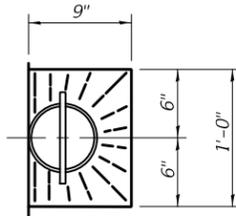
ALUMINUM TUBE



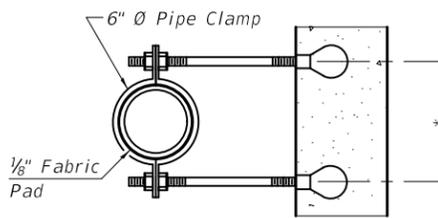
FIBERGLASS PIPE



TOP PLAN
 (Showing Aluminum Tube)

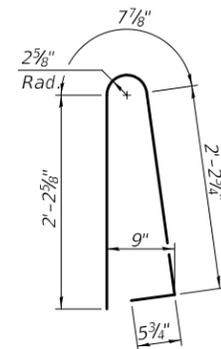


TOP PLAN

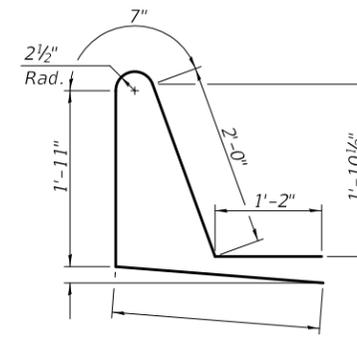


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL4554-1

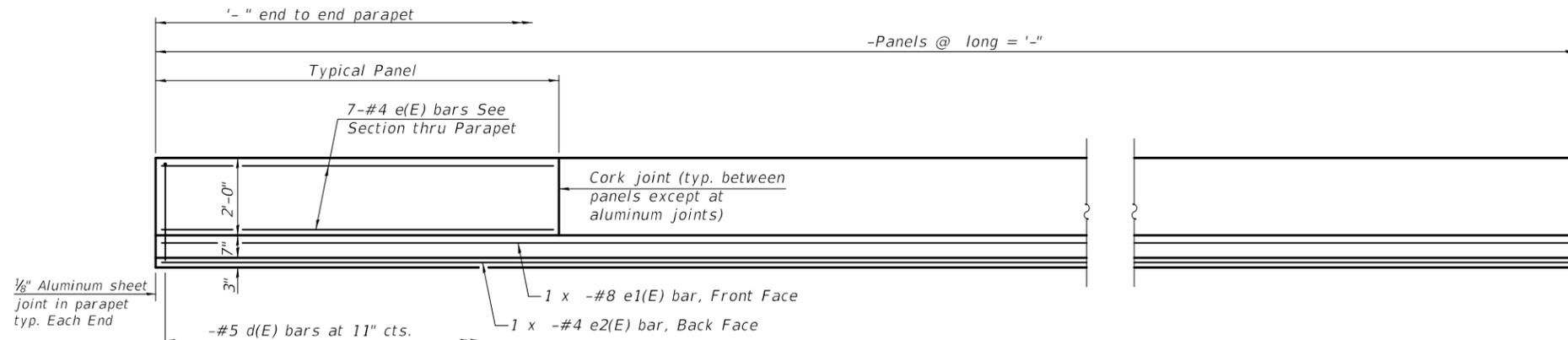
2-17-2017

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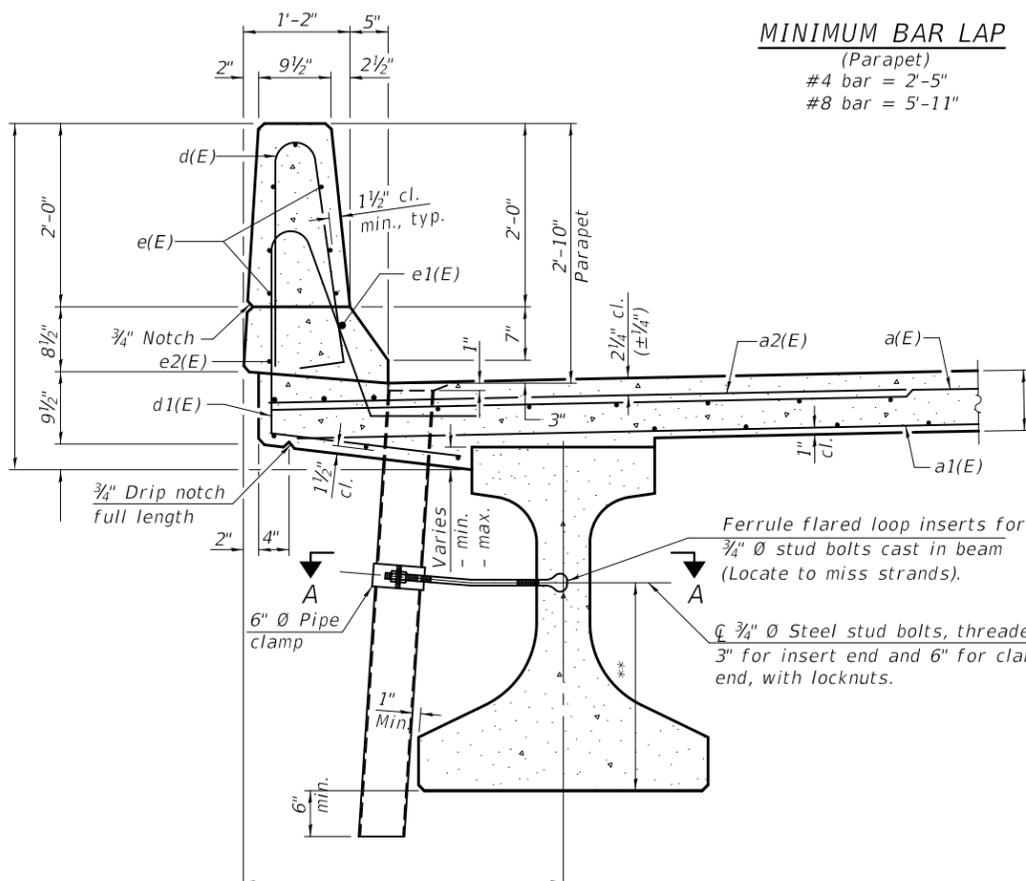
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
 STRUCTURE NO.**

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



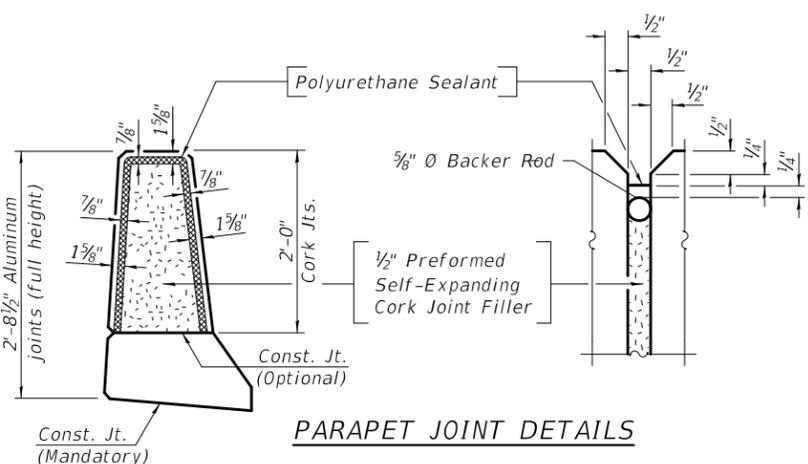
INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

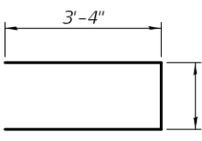
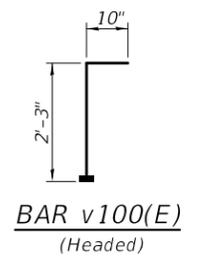
**For insert locations See sheet of

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

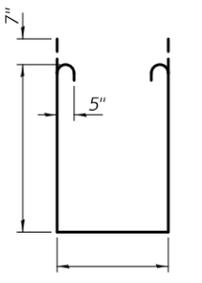


PARAPET JOINT DETAILS

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BAR s10(E)

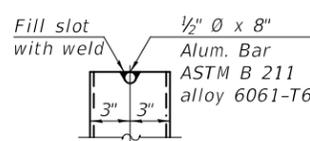


BAR s11(E)

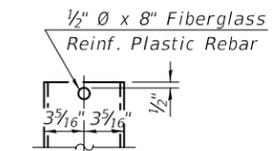
SUPERSTRUCTURE BILL OF MATERIAL

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

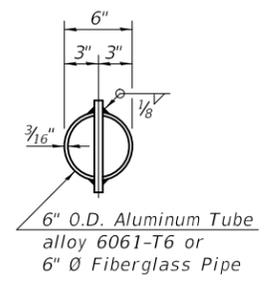
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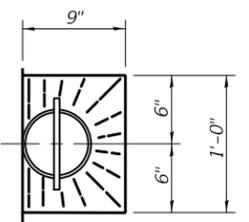
ALUMINUM TUBE



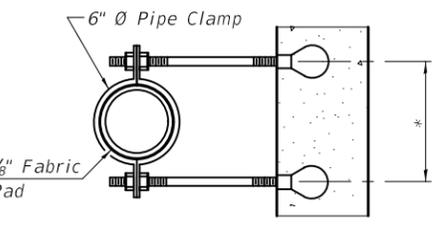
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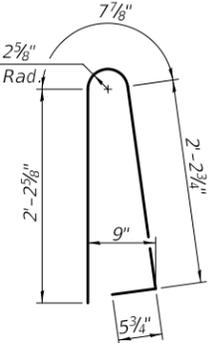
TOP PLAN



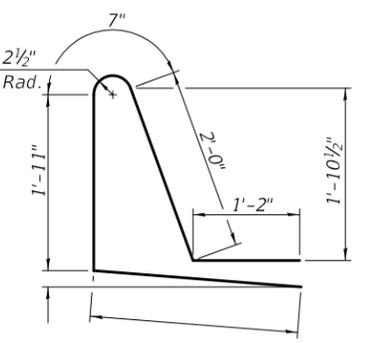
TOP PLAN



SECTION A-A



BAR d(E)



BAR d1(E)

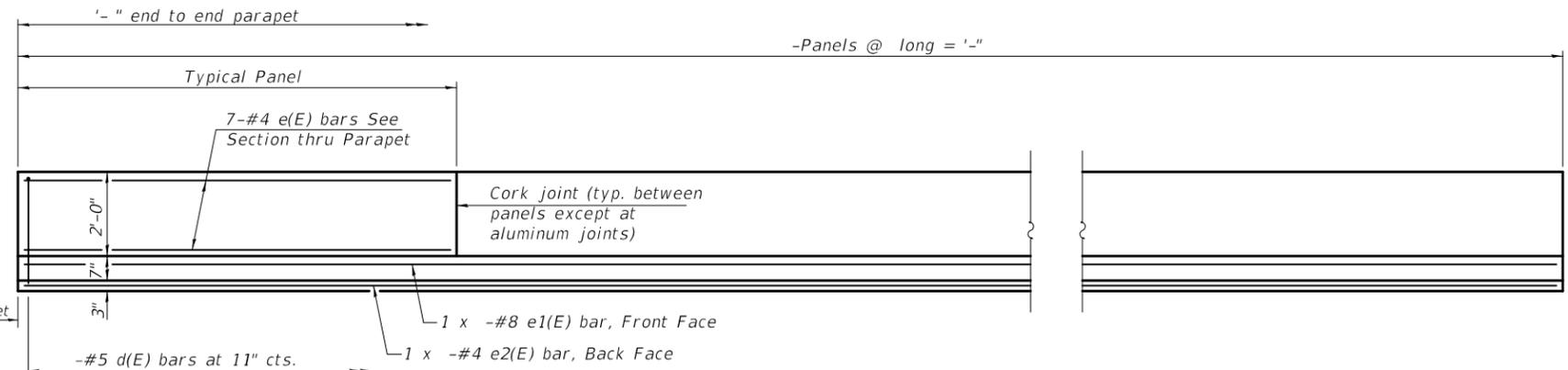
SDI-IL4554N-1 2-17-2017

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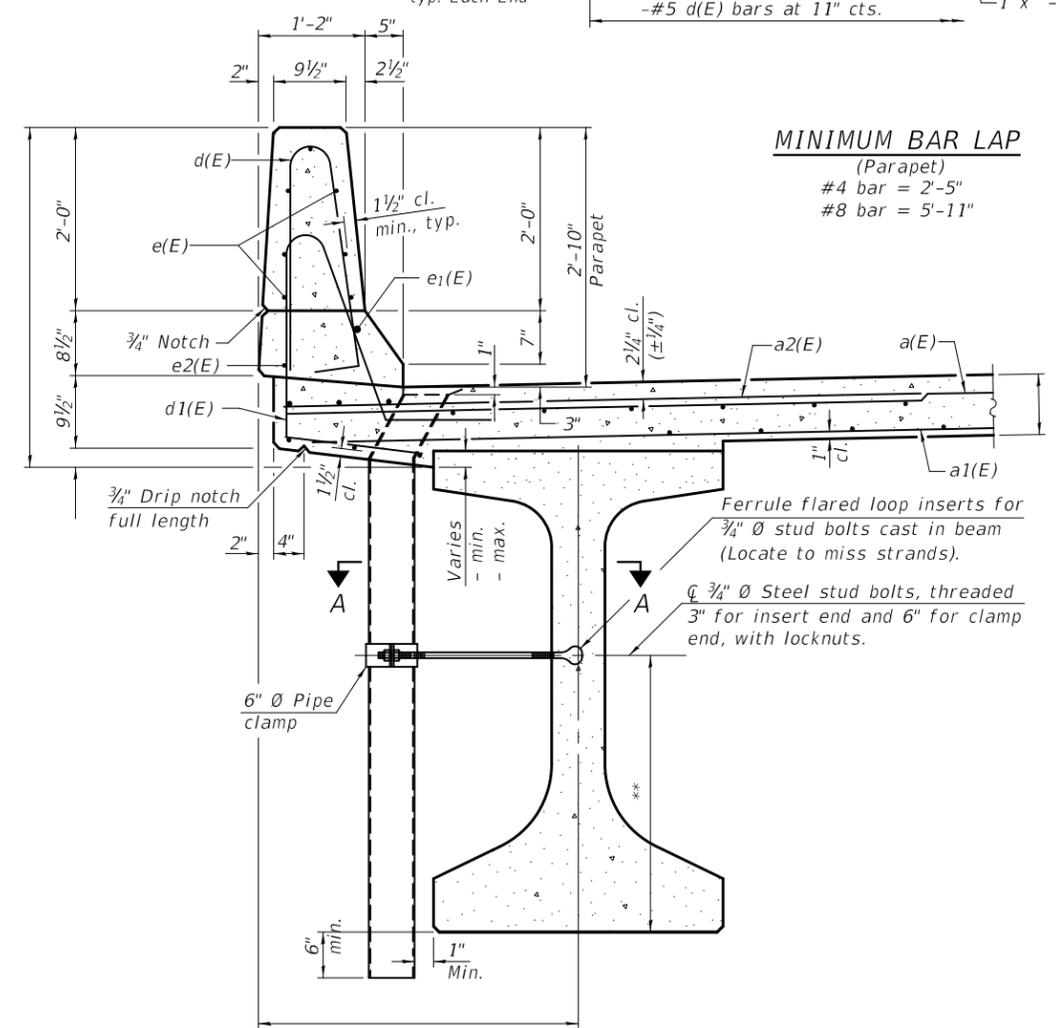
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

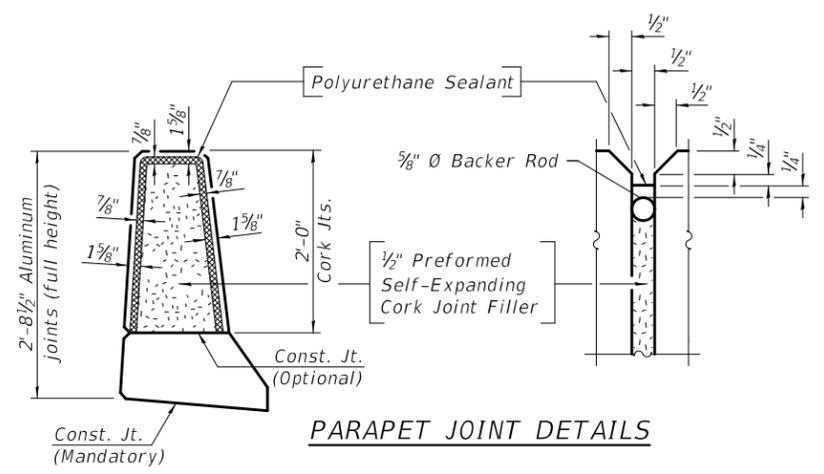
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

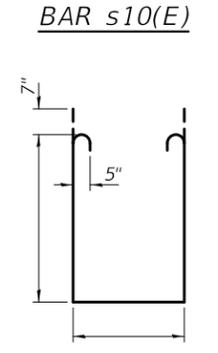
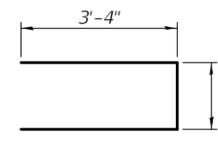
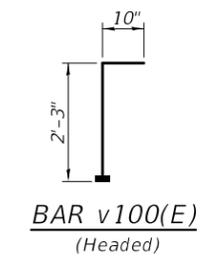


MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

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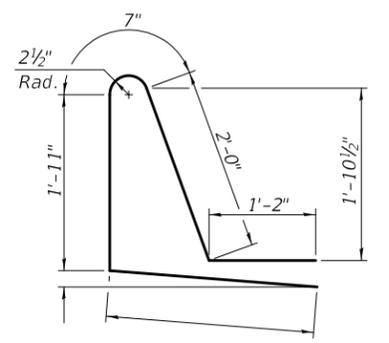
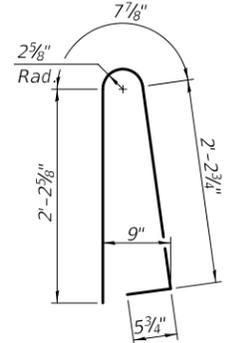
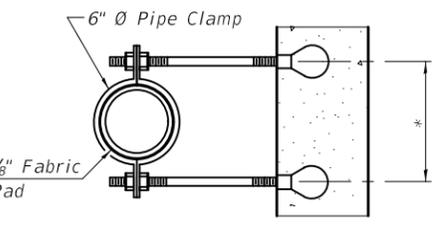
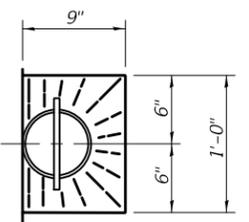
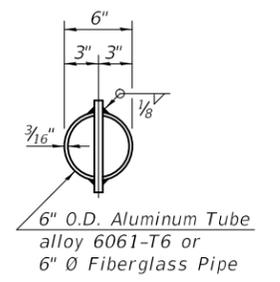
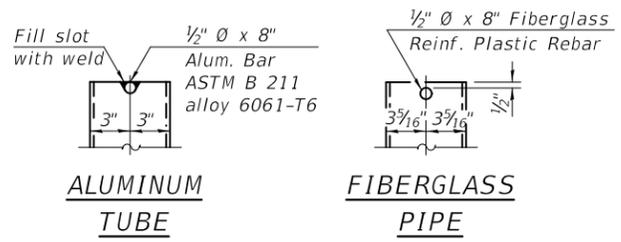


SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
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Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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SECTION THRU PARAPET
**For insert locations See sheet of



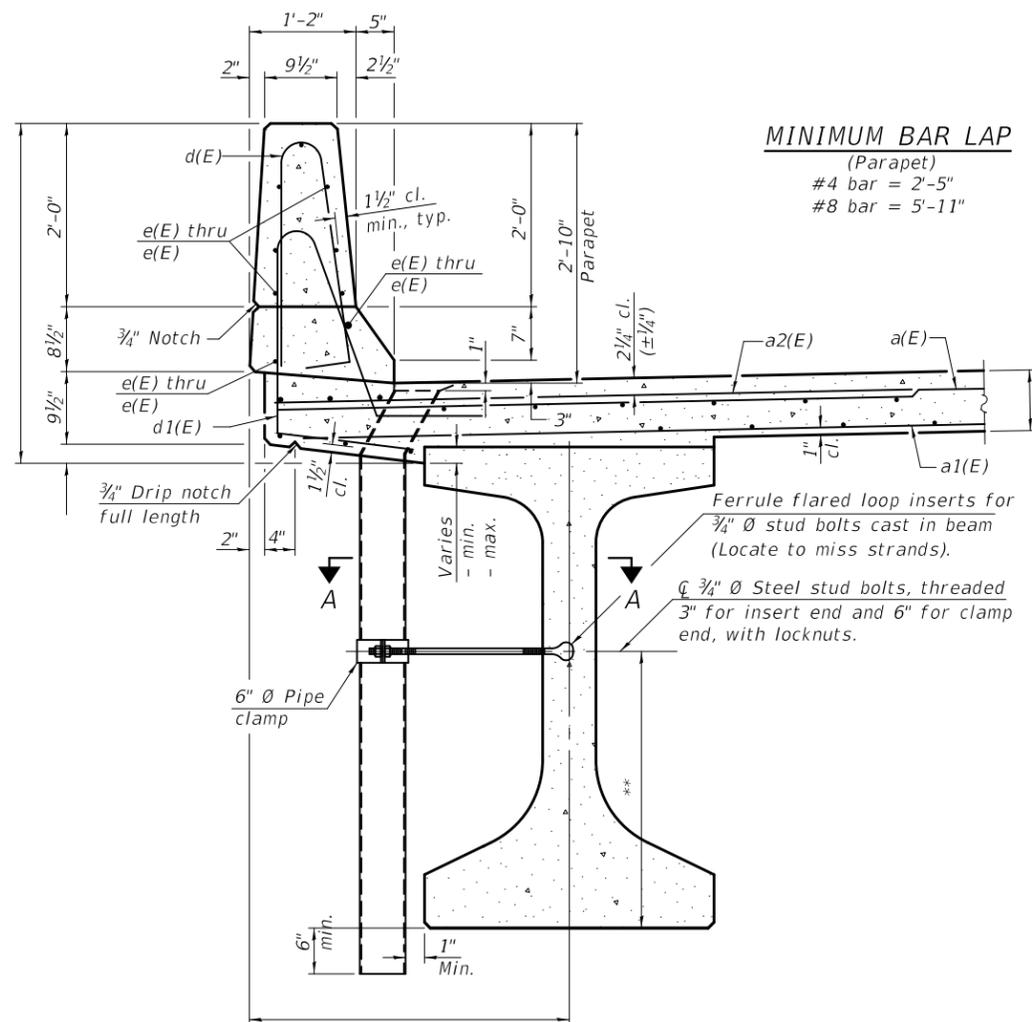
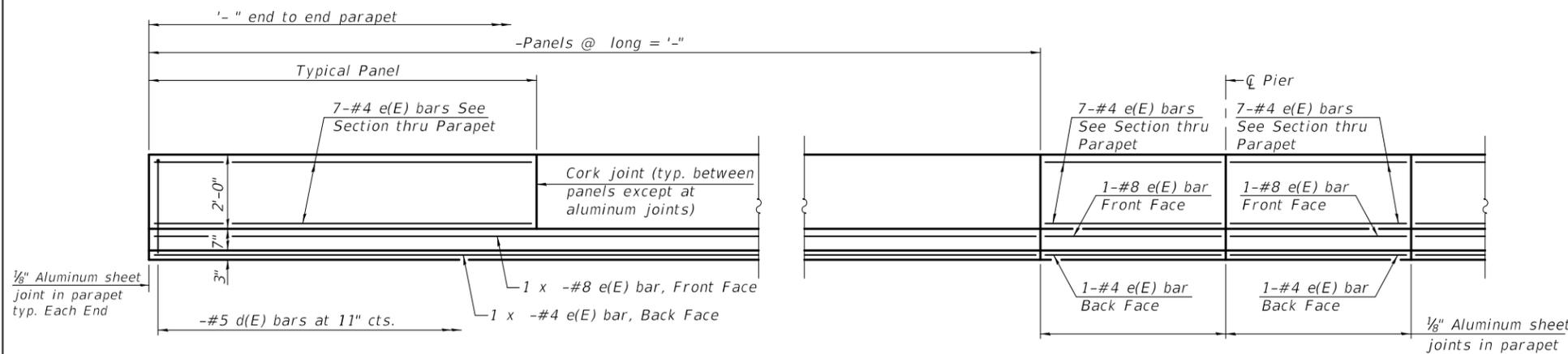
SDI-IL6372-1 2-17-2017

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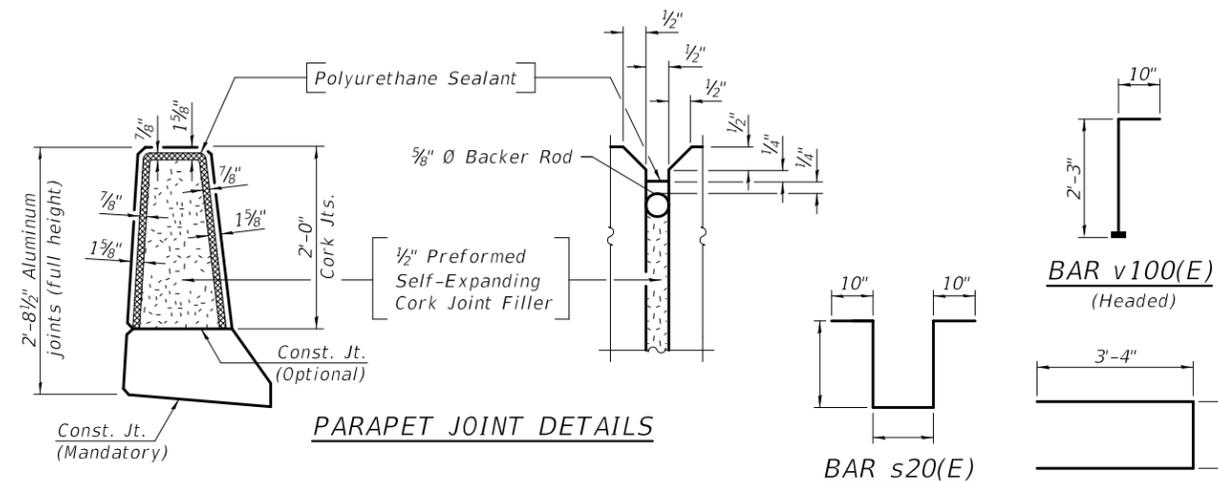
STATE OF ILLINOIS
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SUPERSTRUCTURE DETAILS
STRUCTURE NO.

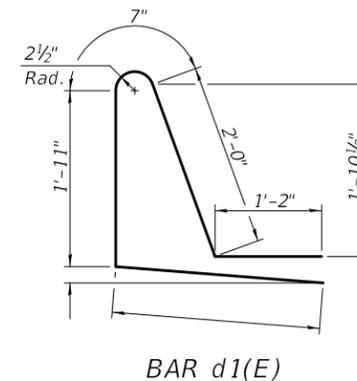
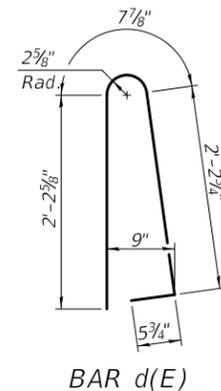
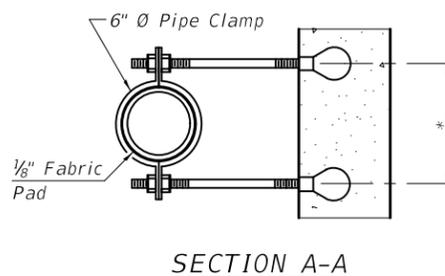
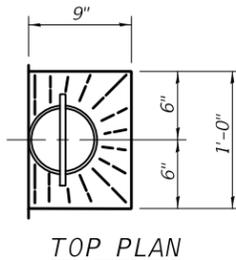
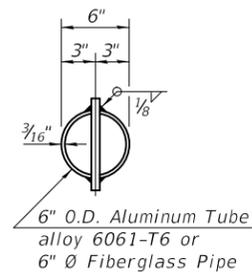
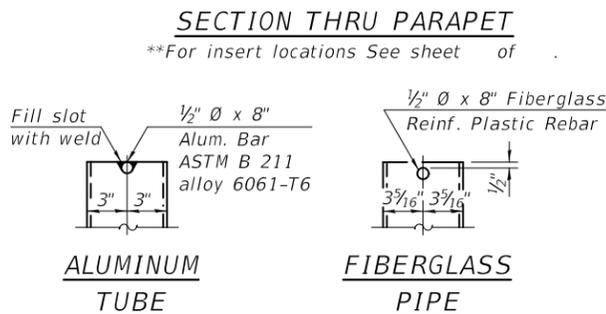
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MINIMUM BAR LAP
(Parapet)
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m14(E)		#6		—
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m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		┌
s11(E)		#5		┌
s20(E)		#5		┌
v100(E)		#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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

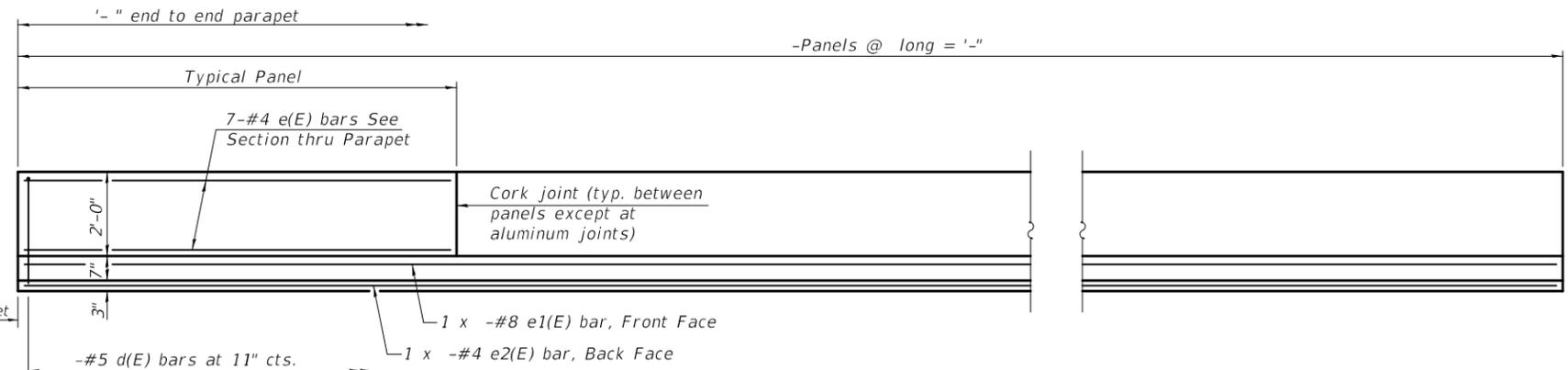
SDI-IL6372-2 2-17-2017

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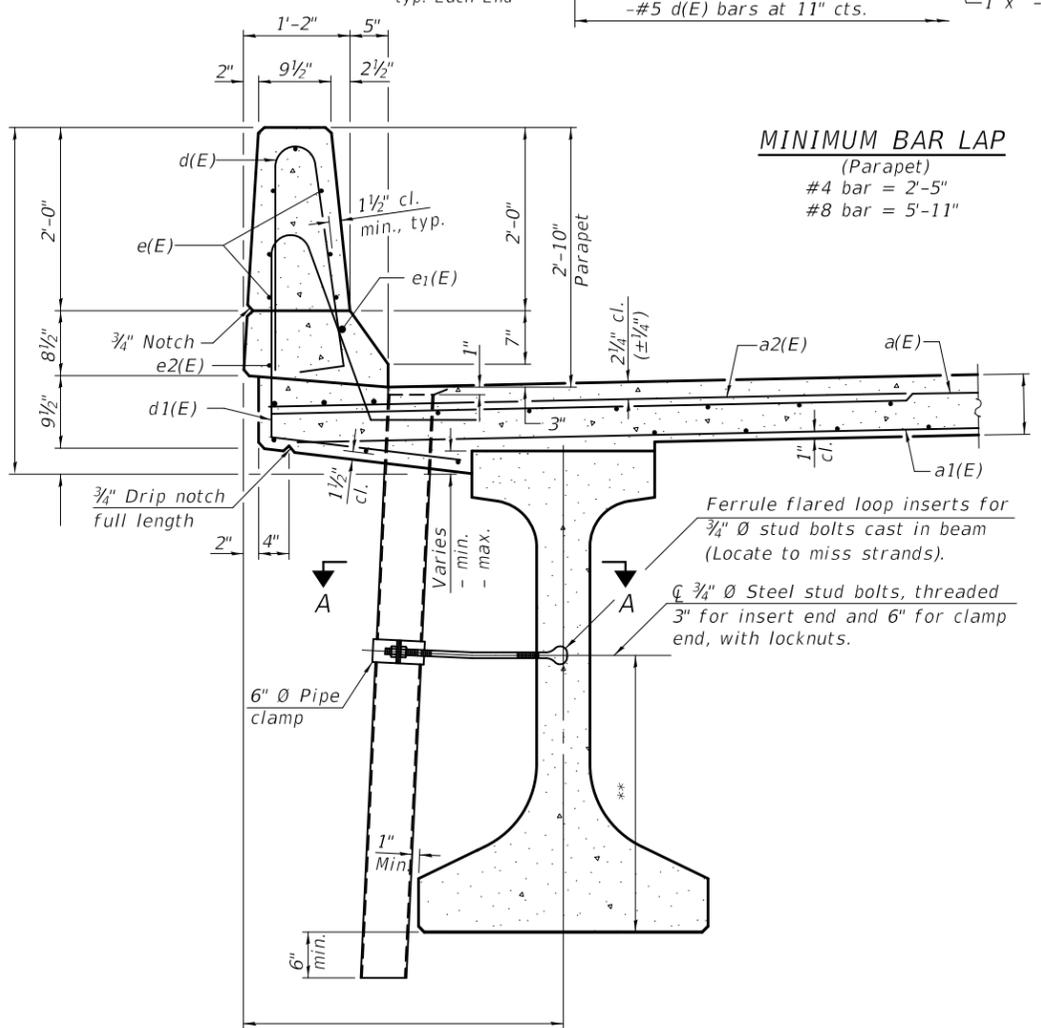
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

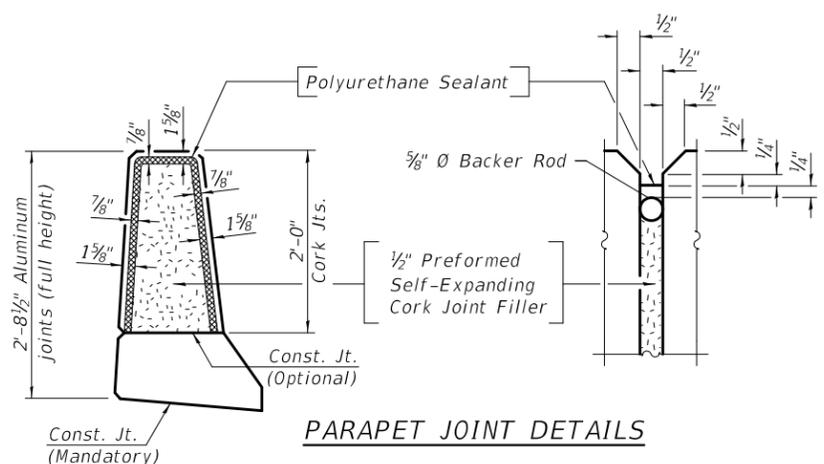
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

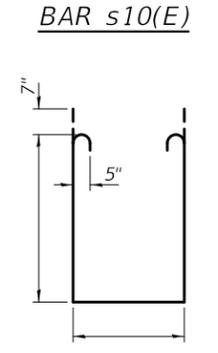
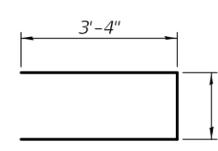
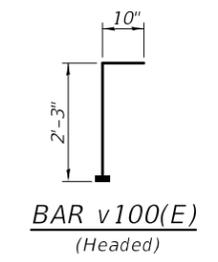


MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"



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.

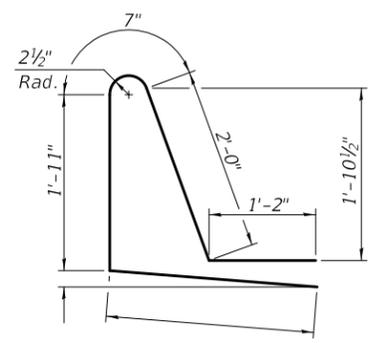
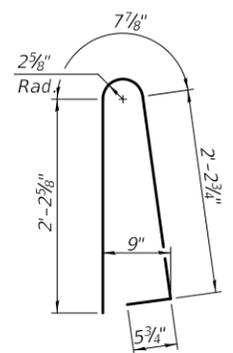
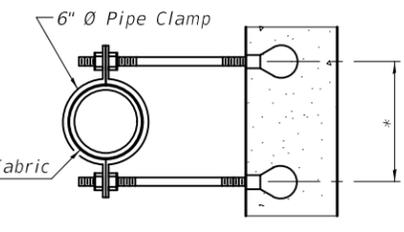
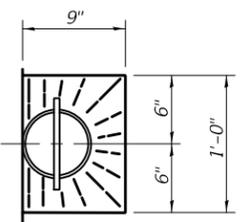
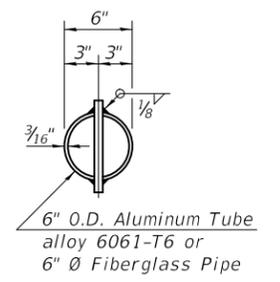
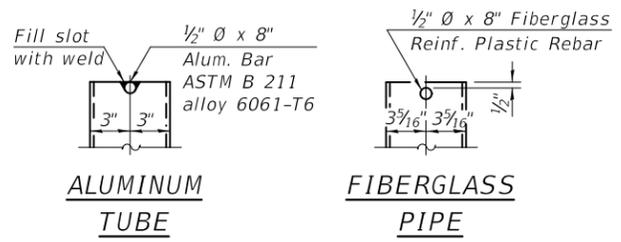


SUPERSTRUCTURE BILL OF MATERIAL

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

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

SECTION THRU PARAPET
**For insert locations See sheet of



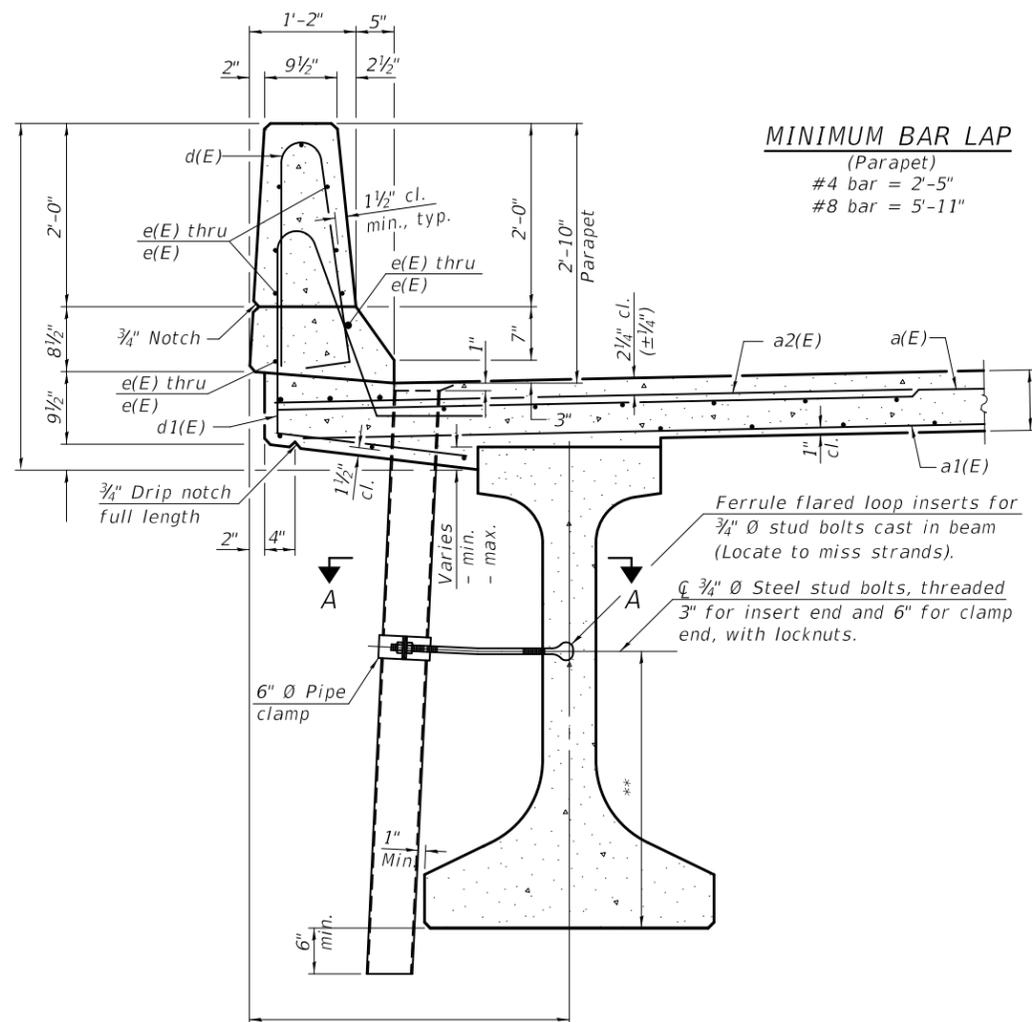
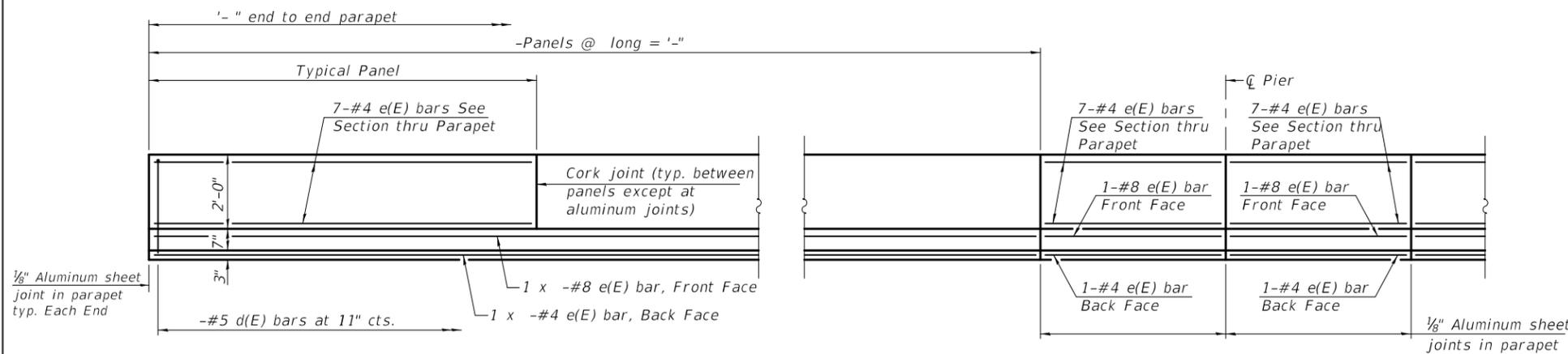
SDI-IL6372N-1 2-17-2017

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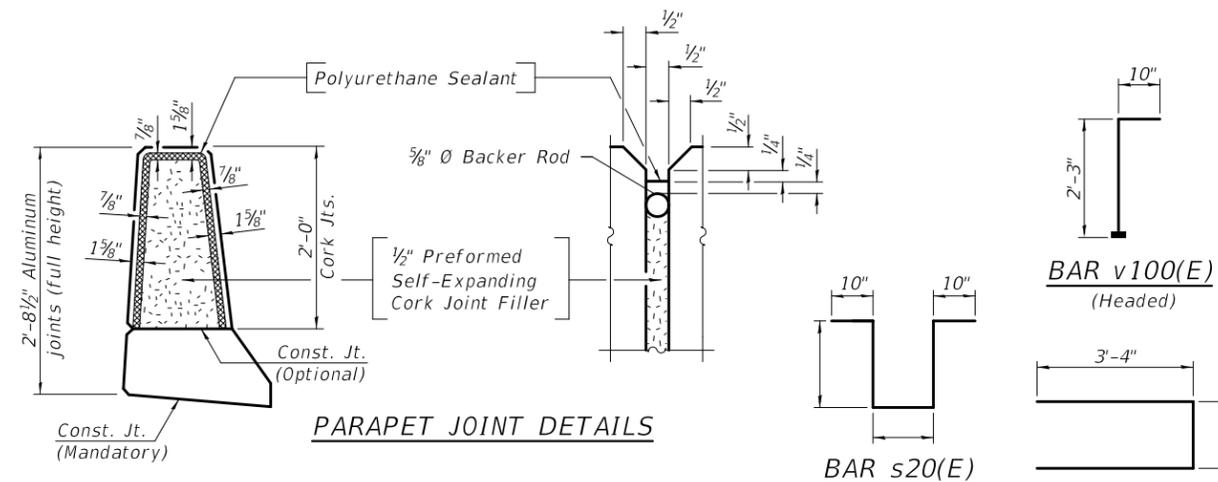
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.
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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.

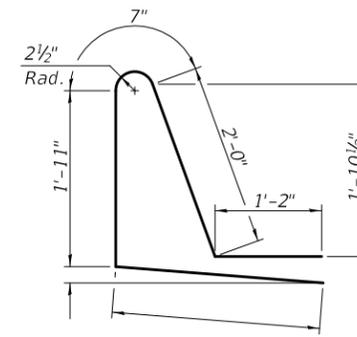
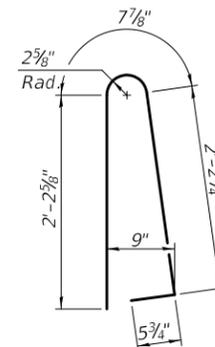
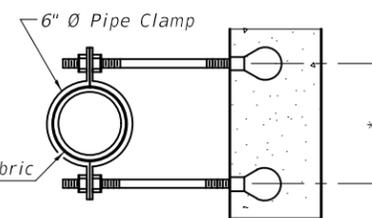
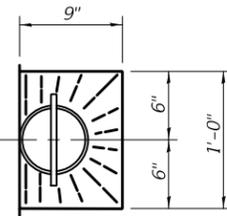
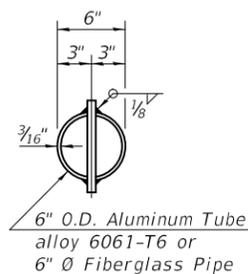
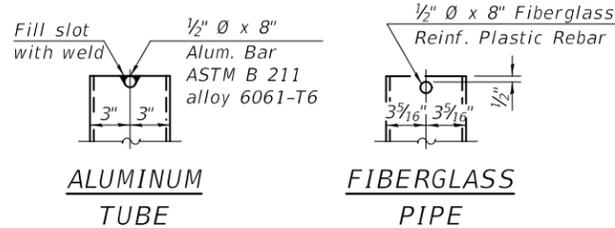
SUPERSTRUCTURE BILL OF MATERIAL

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

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

SECTION THRU PARAPET

**For insert locations See sheet of



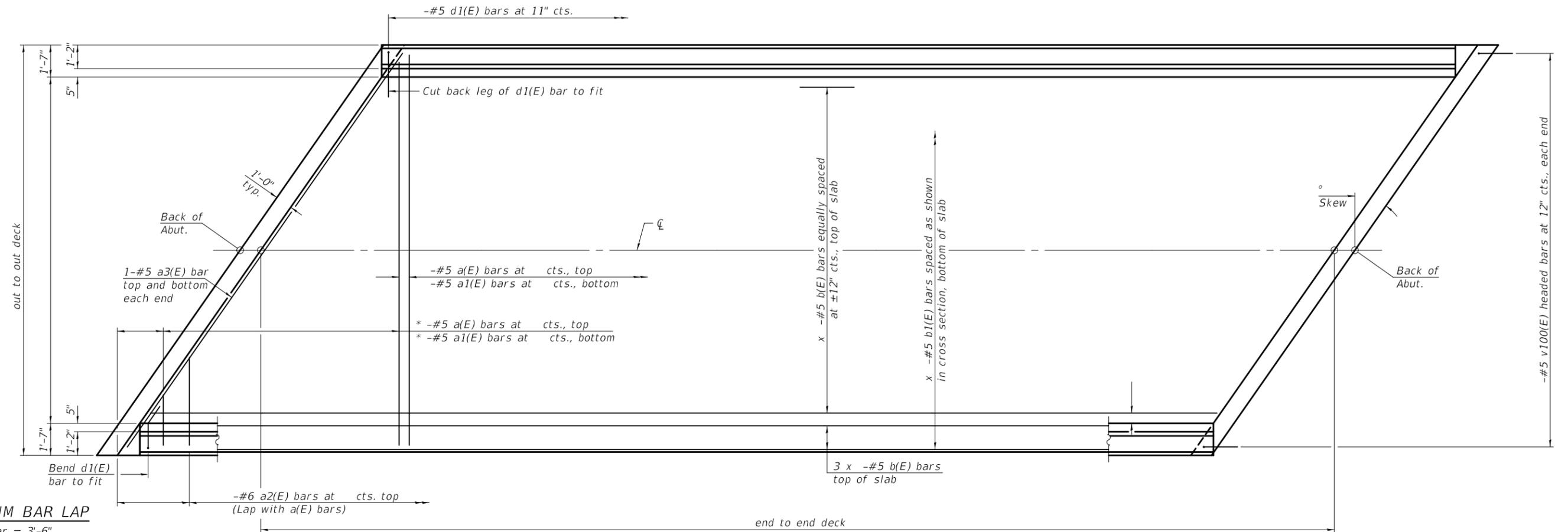
SDI-IL6372N-2 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	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				



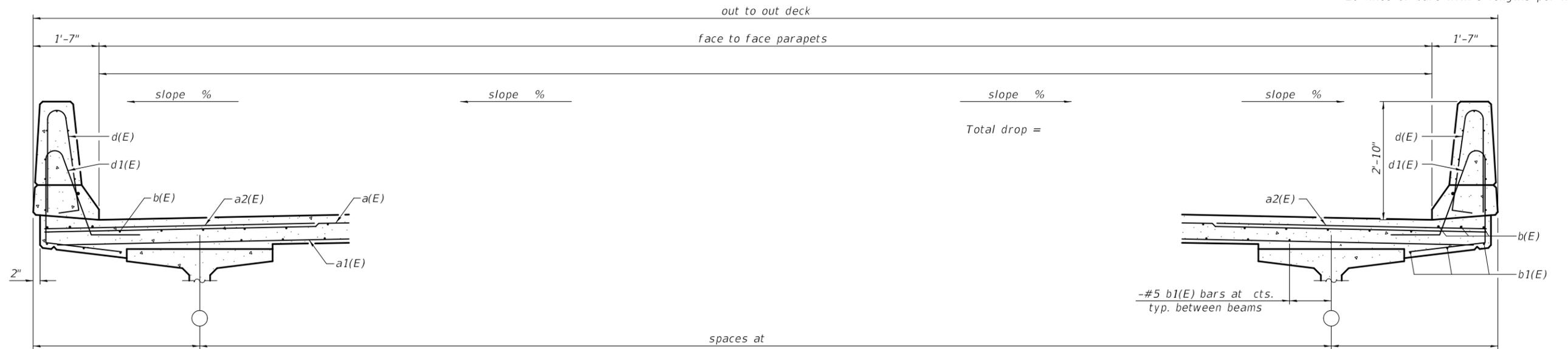
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PLAN

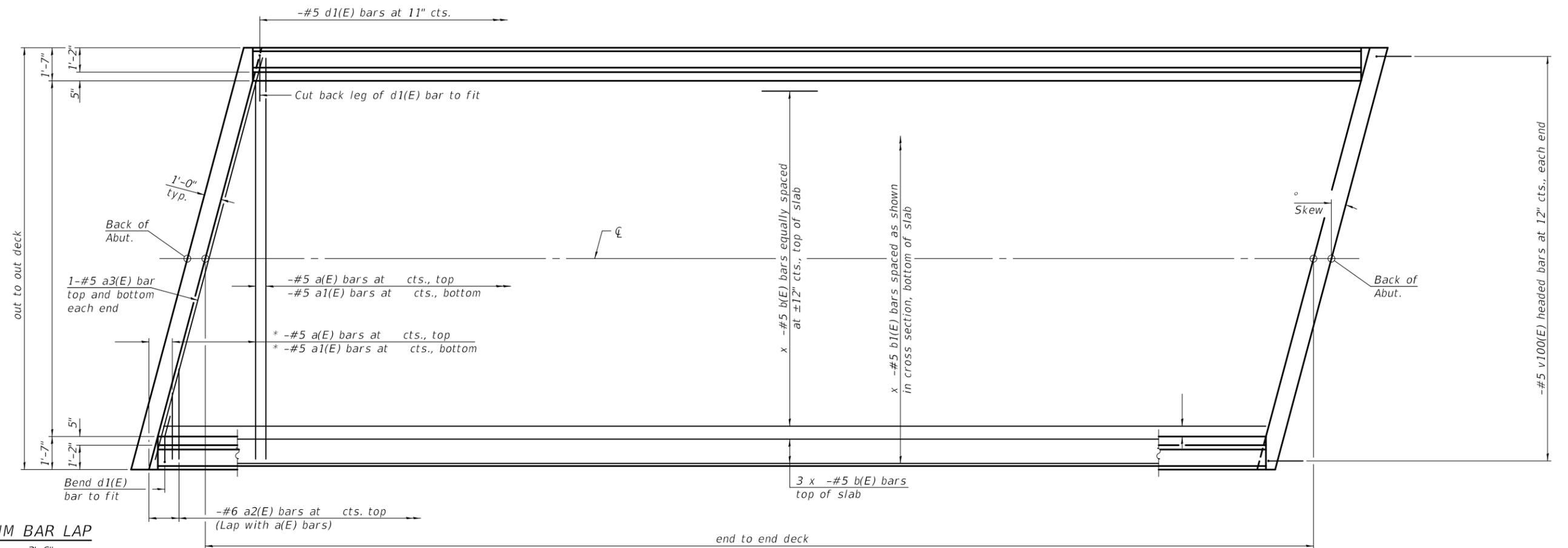
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-BT6372-1-L(>30°) 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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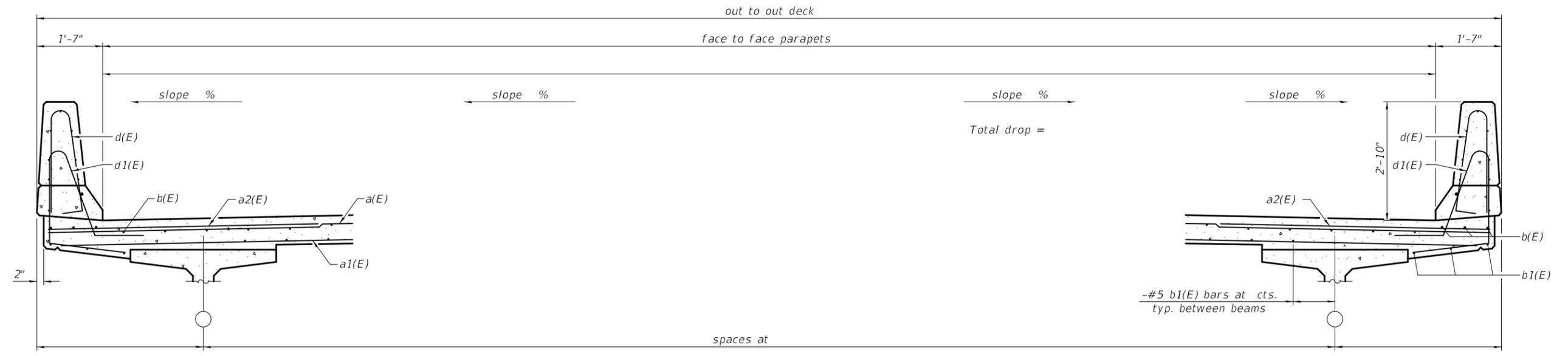


PLAN

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

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

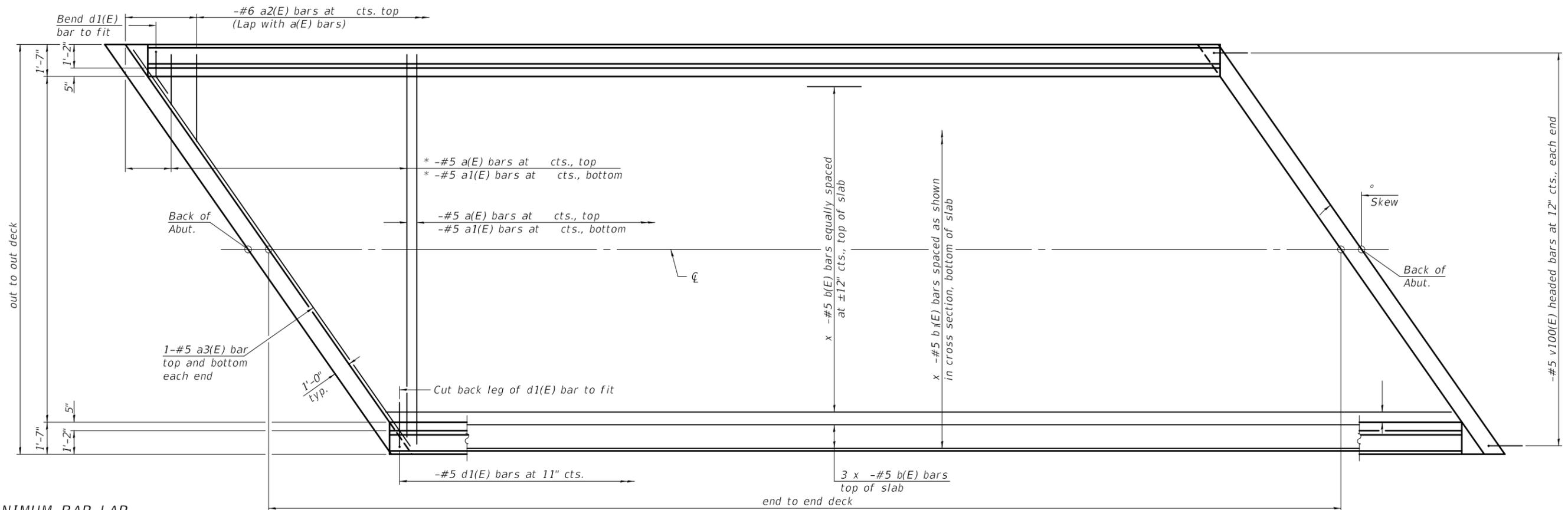
Notes:
See sheet of for superstructure details
and Bill of Material.
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20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-BT6372-1-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.	
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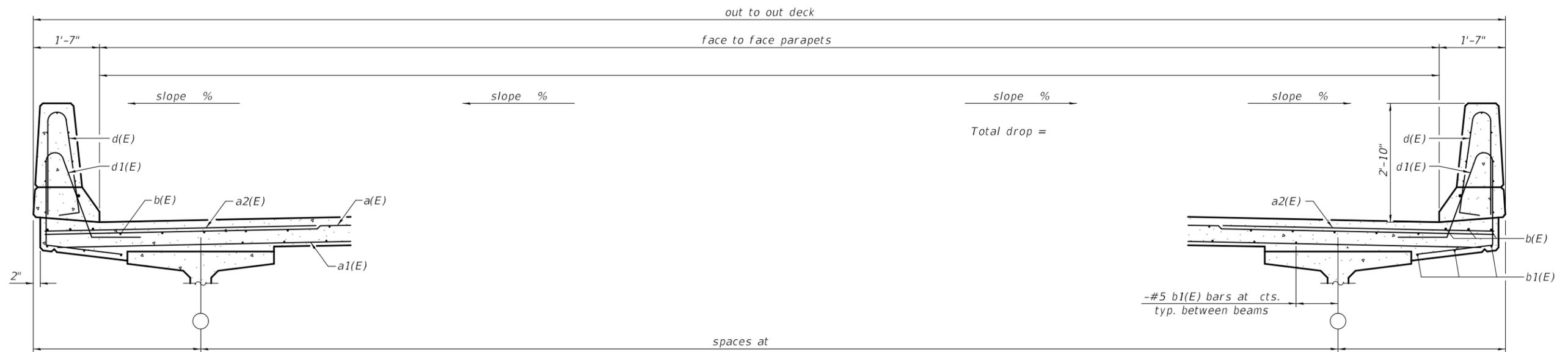
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PLAN

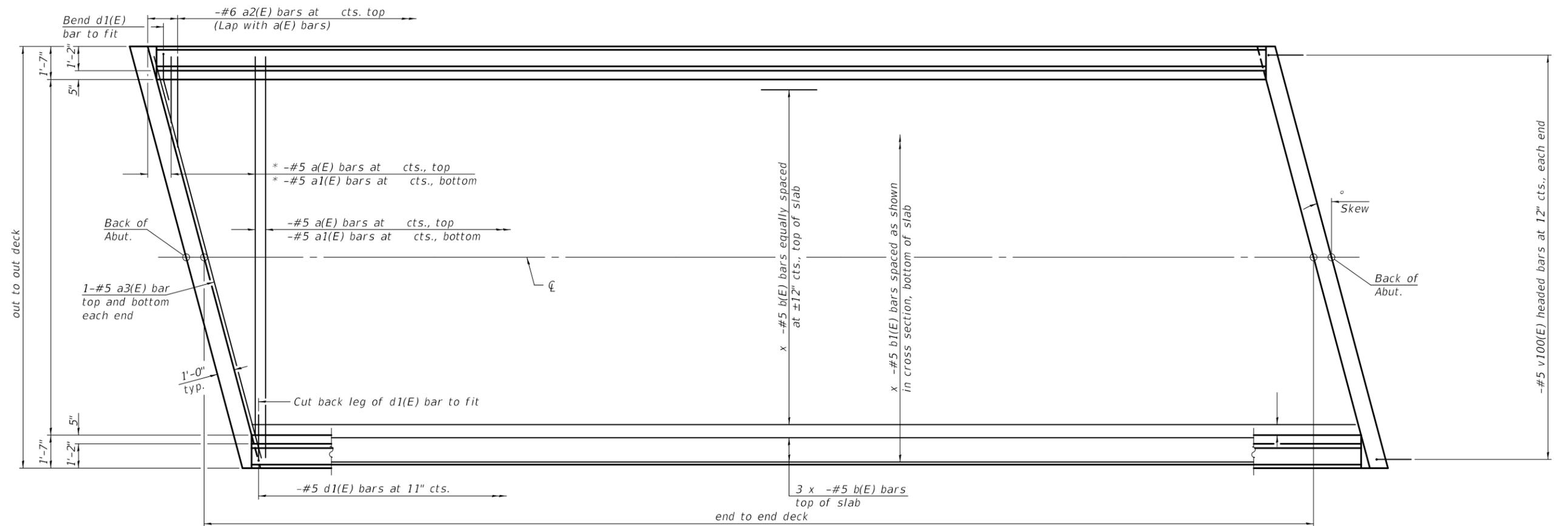
Notes:
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CROSS SECTION
(Looking)

SI-BT6372-1-R(>30°) 2-17-2017

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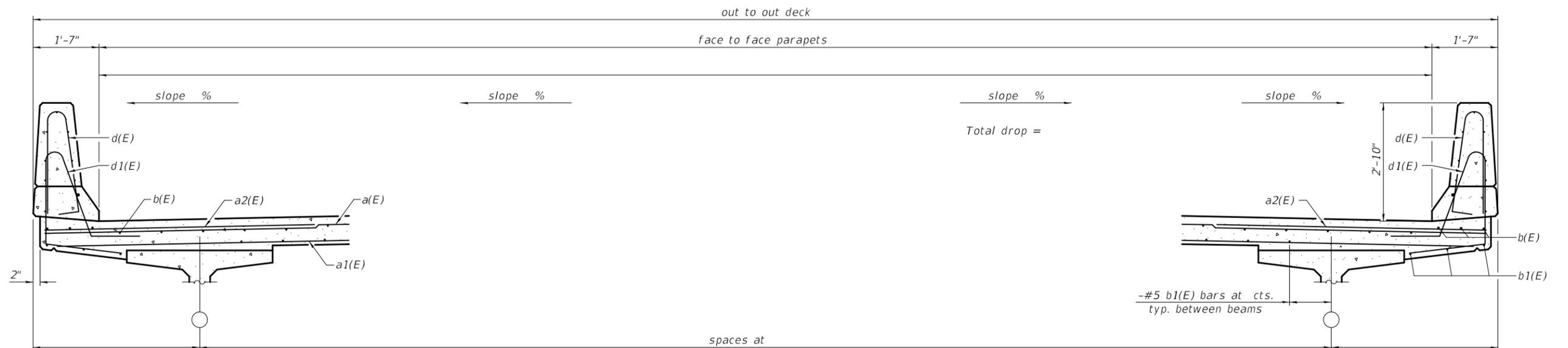
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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

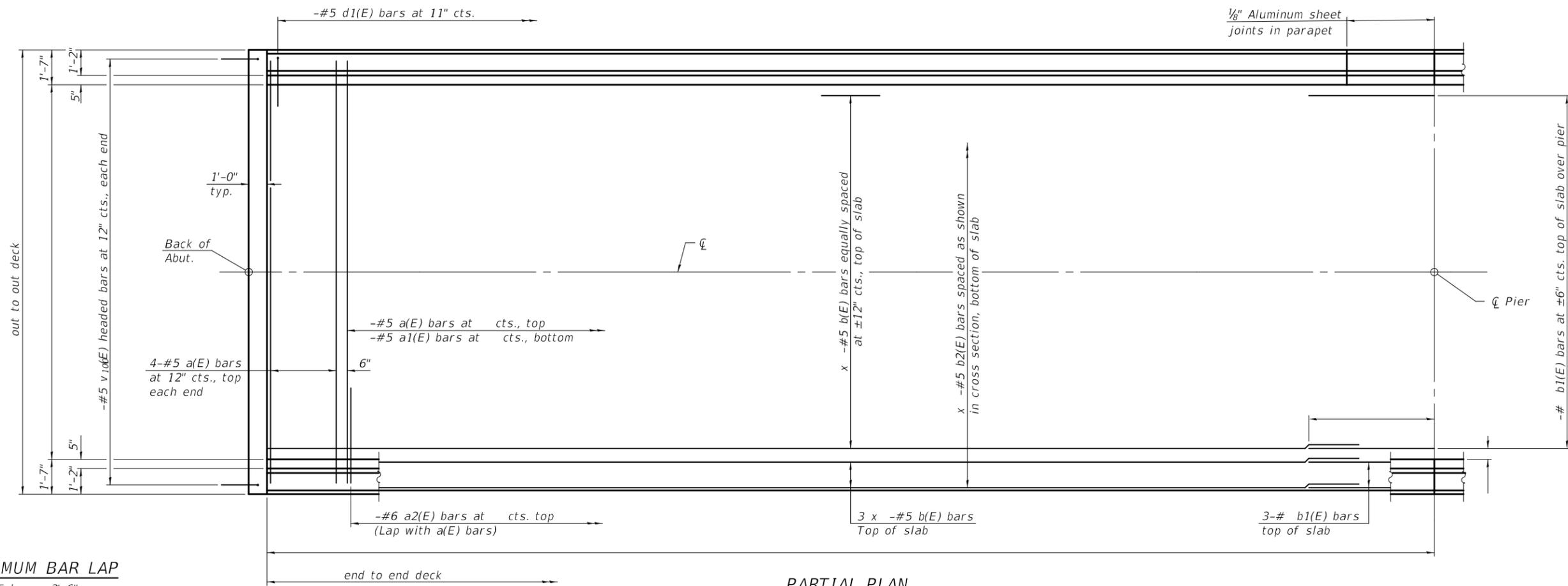
Notes:
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CROSS SECTION
(Looking)

SI-BT6372-1-R(≤30°) 2-17-2017

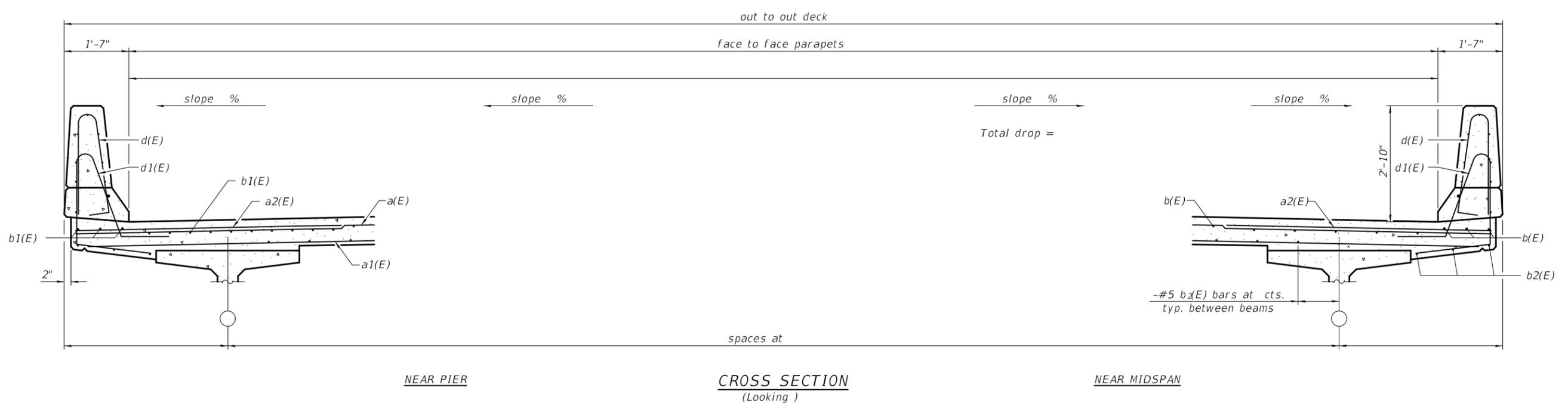
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MINIMUM BAR LAP
#5 bar = 3'-6"

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

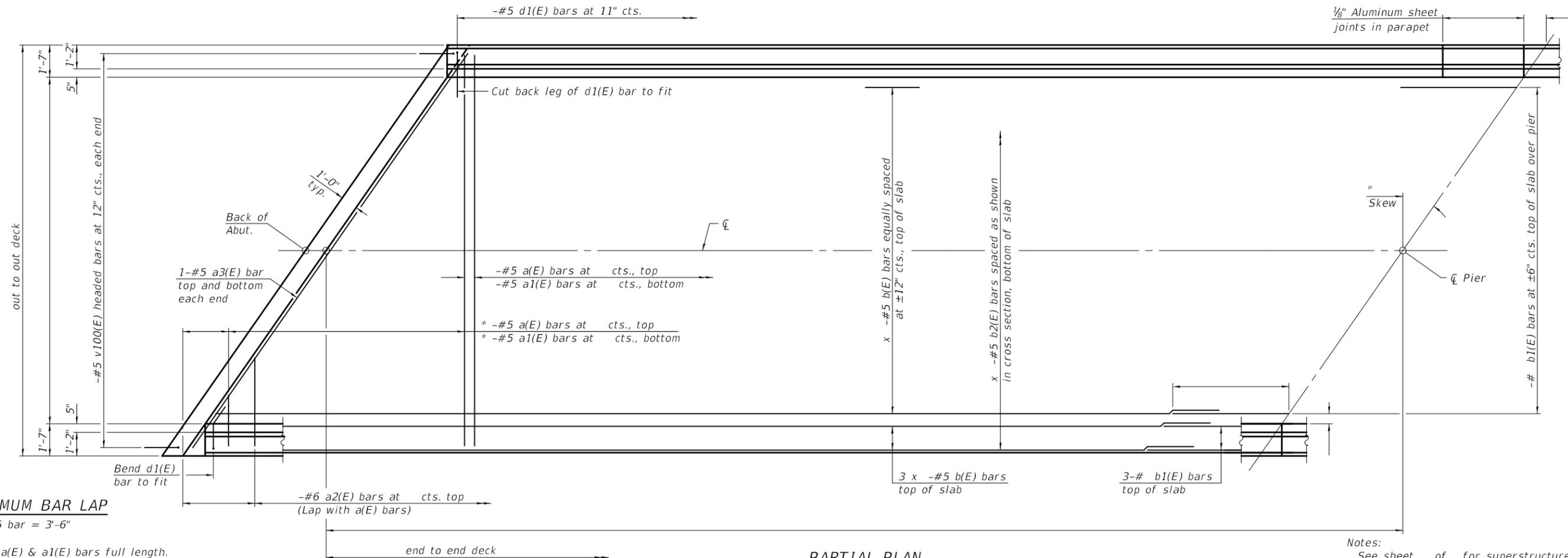
SI-BT6372-2-0 2-17-2017

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		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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



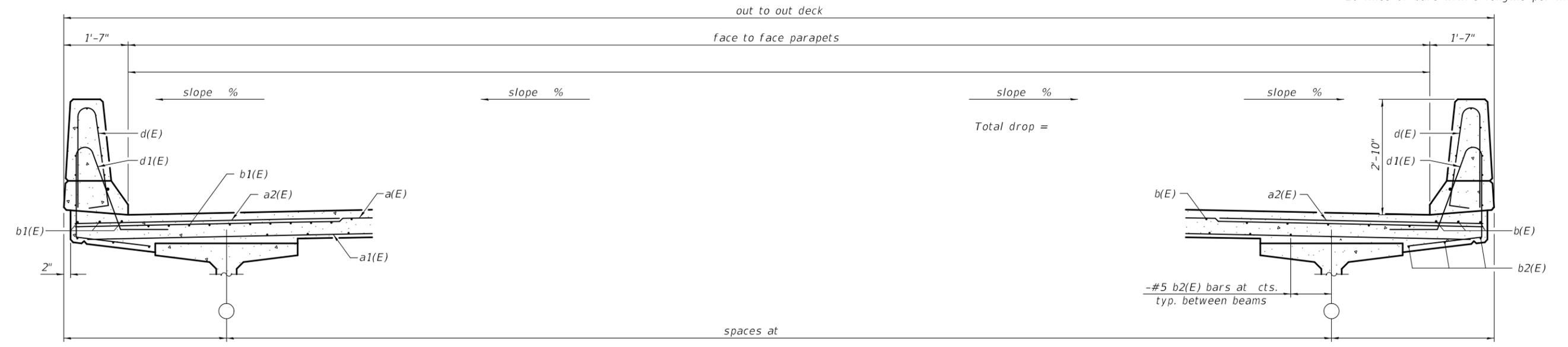
MINIMUM BAR LAP

#5 bar = 3'-6"

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

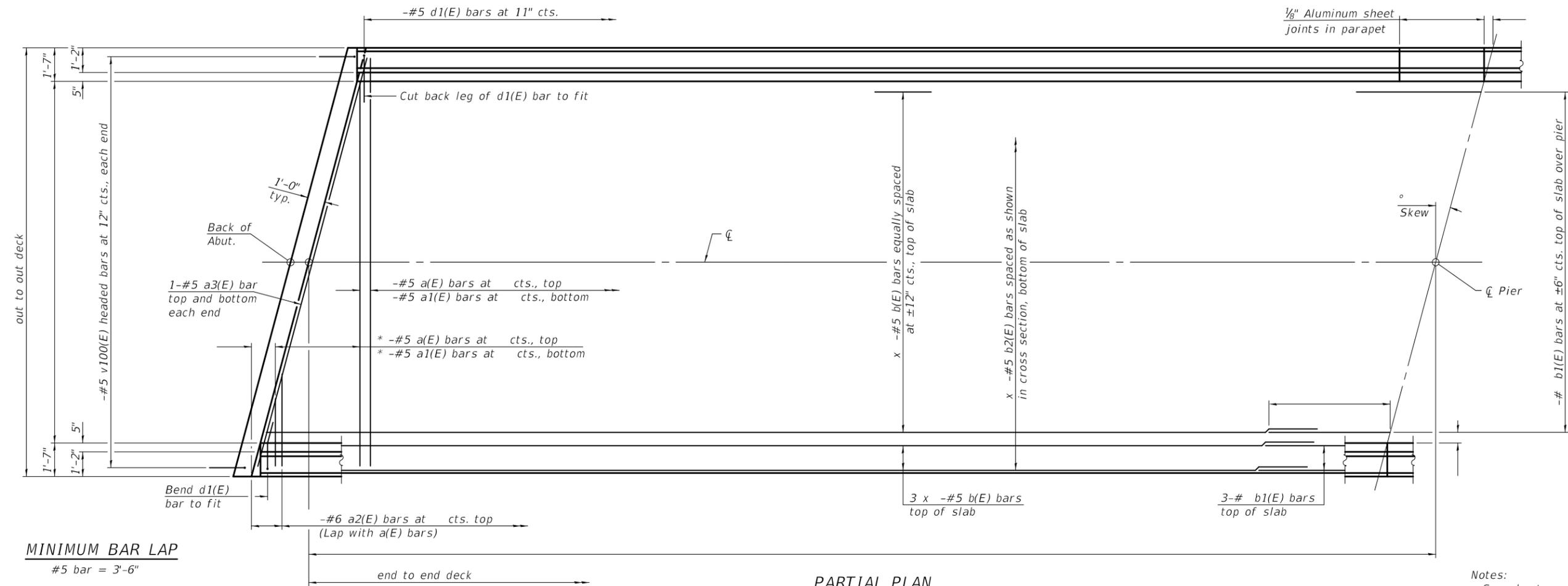
PARTIAL PLAN

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



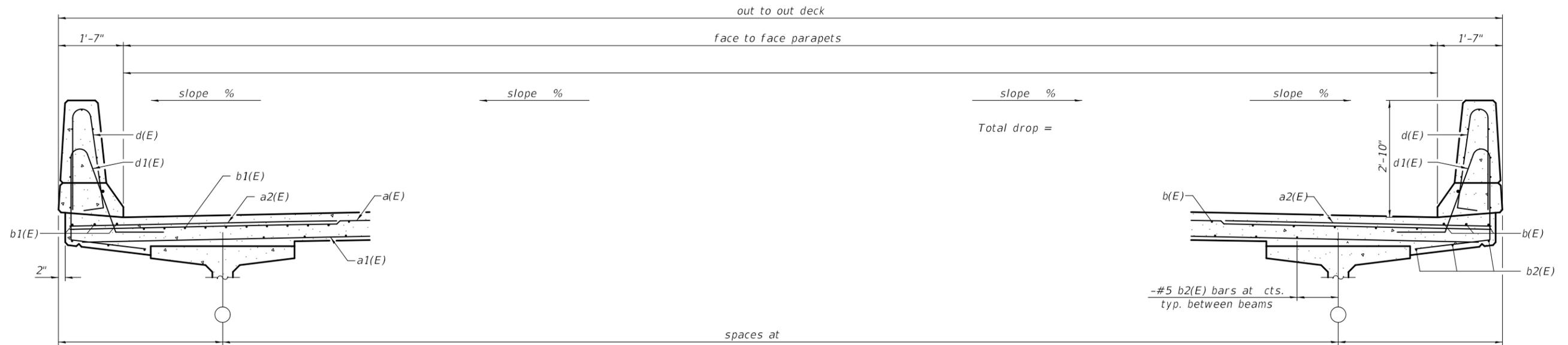
SI-BT6372-2-L(>30°) 2-17-2017

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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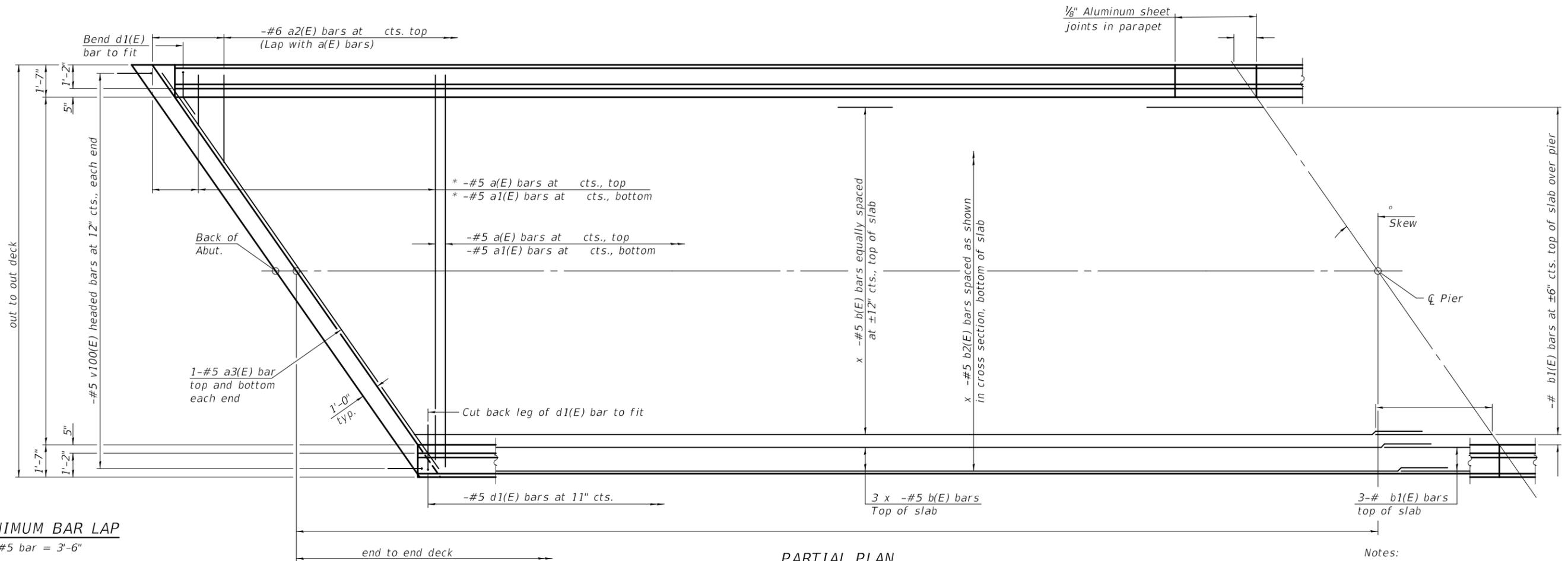
PARTIAL PLAN

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.



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

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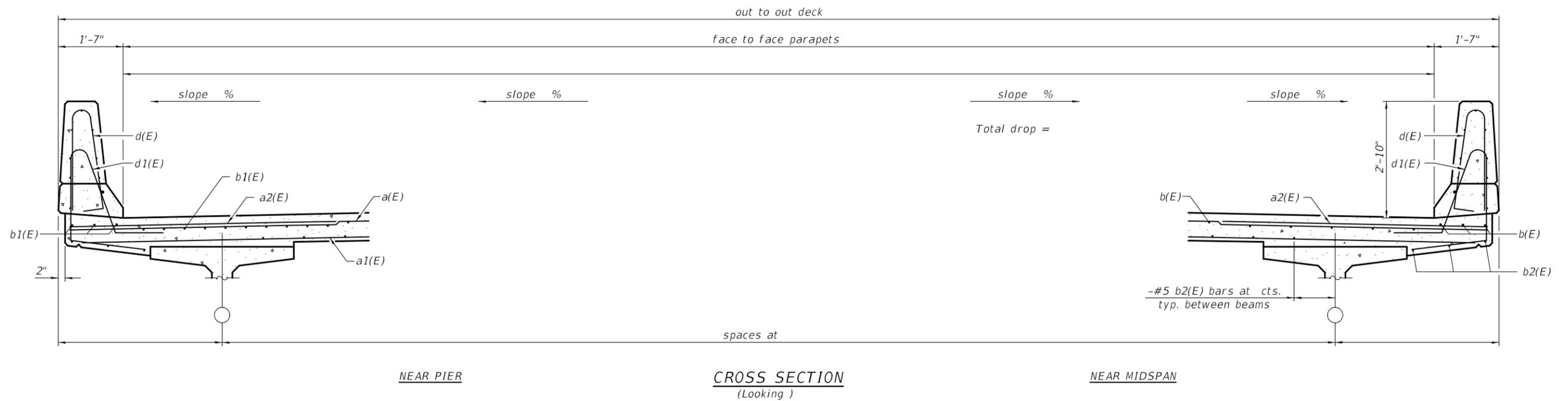
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PARTIAL PLAN

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



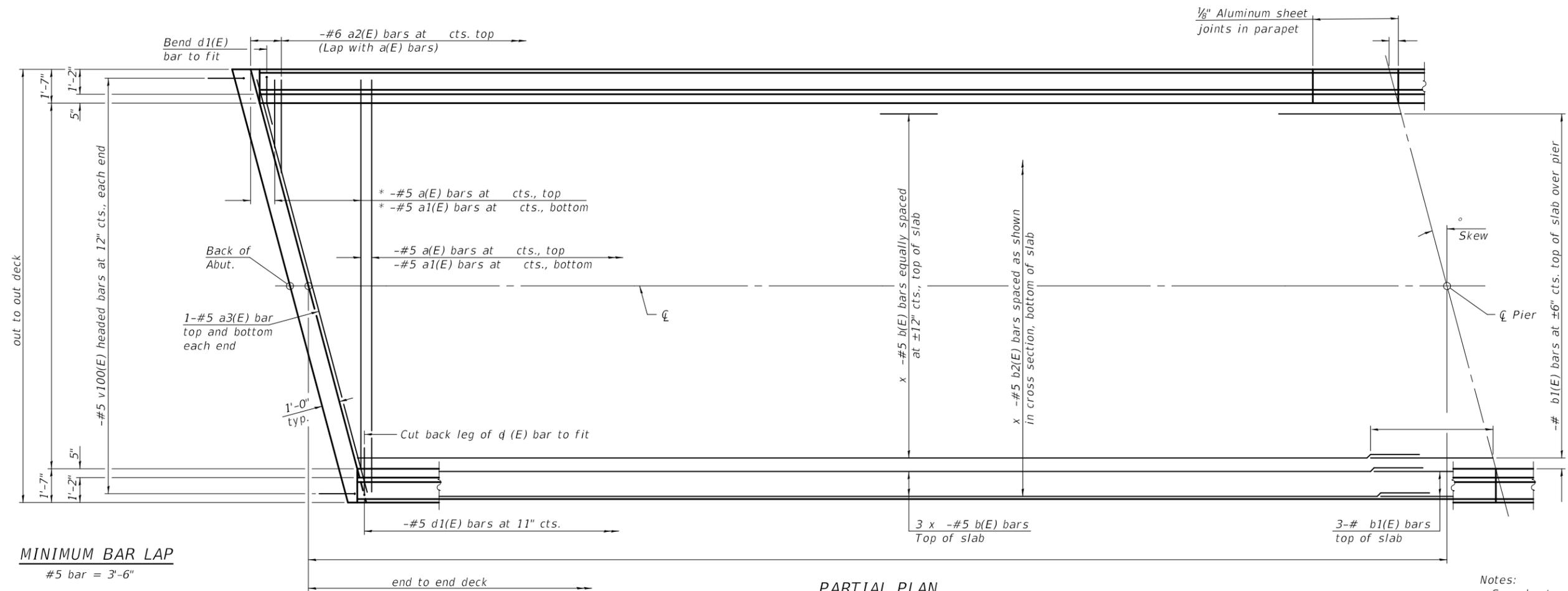
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-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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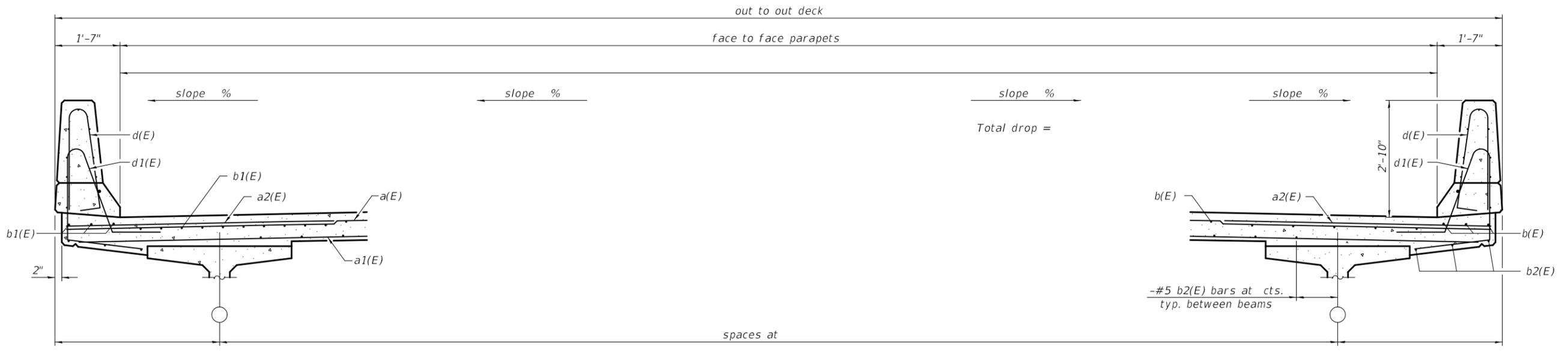
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PARTIAL PLAN

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



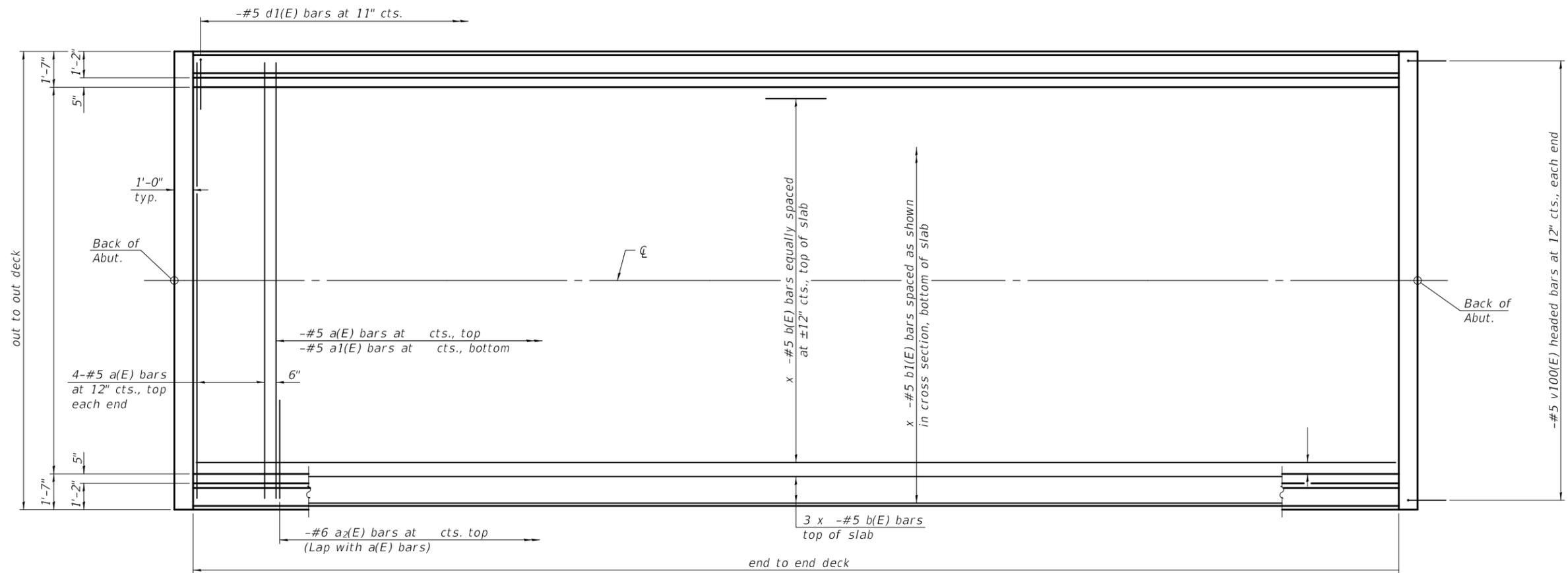
NEAR PIER

CROSS SECTION (Looking)

NEAR MIDSPAN

SI-BT6372-2-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					
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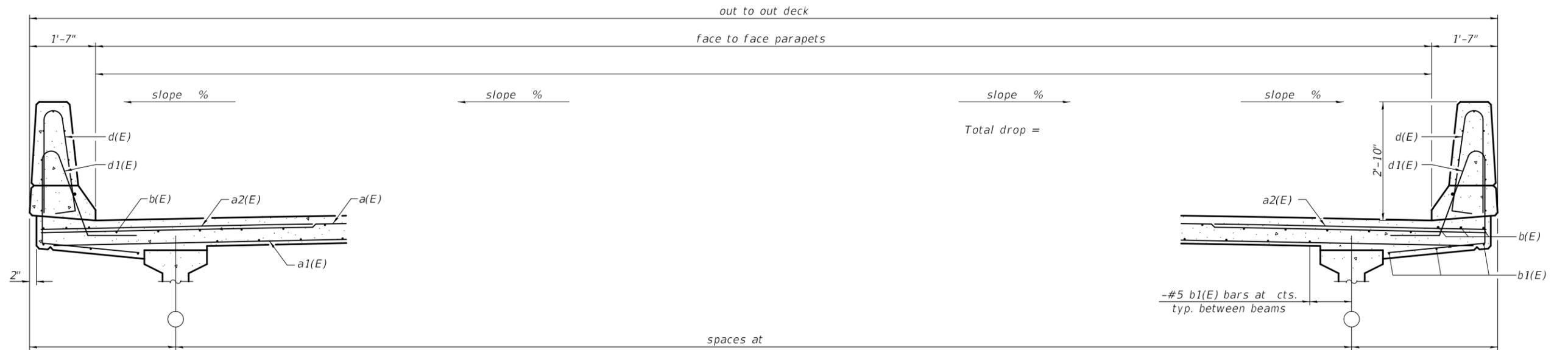


MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

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



CROSS SECTION
(Looking)

SI-I3654-1-0

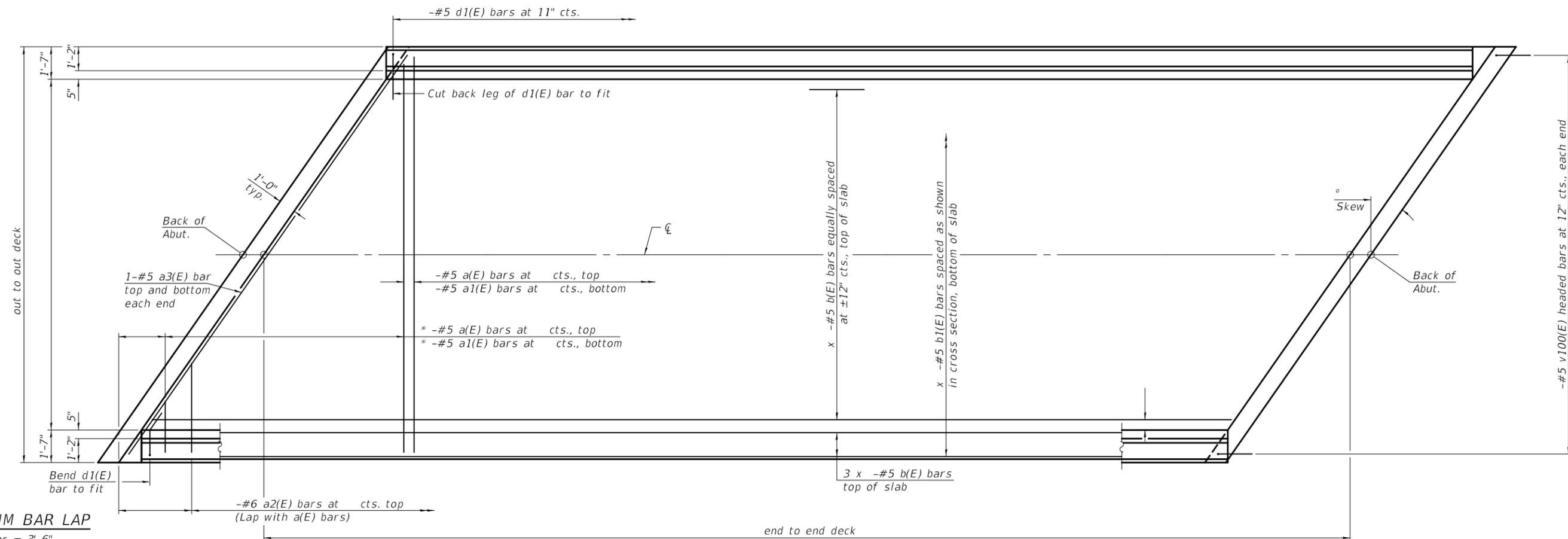
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FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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



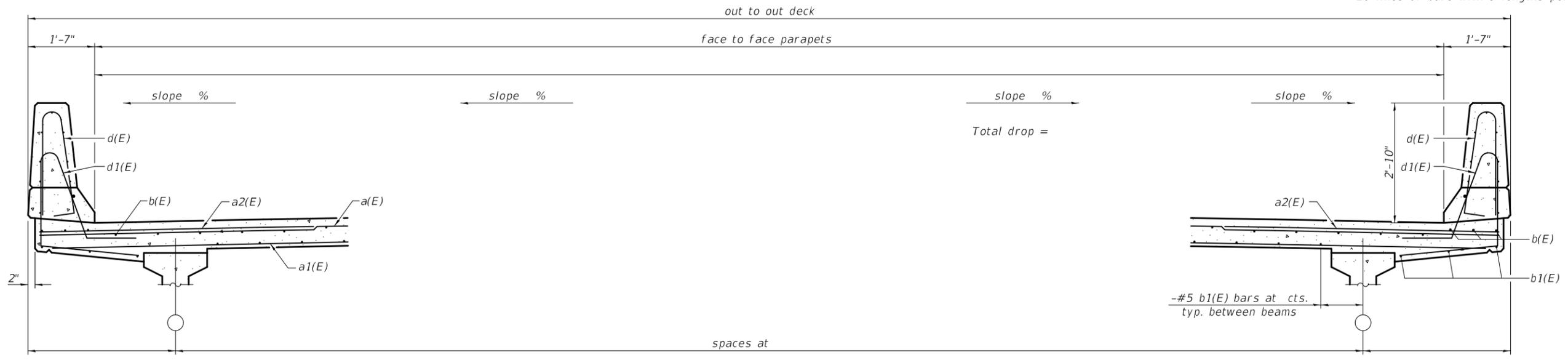
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PLAN

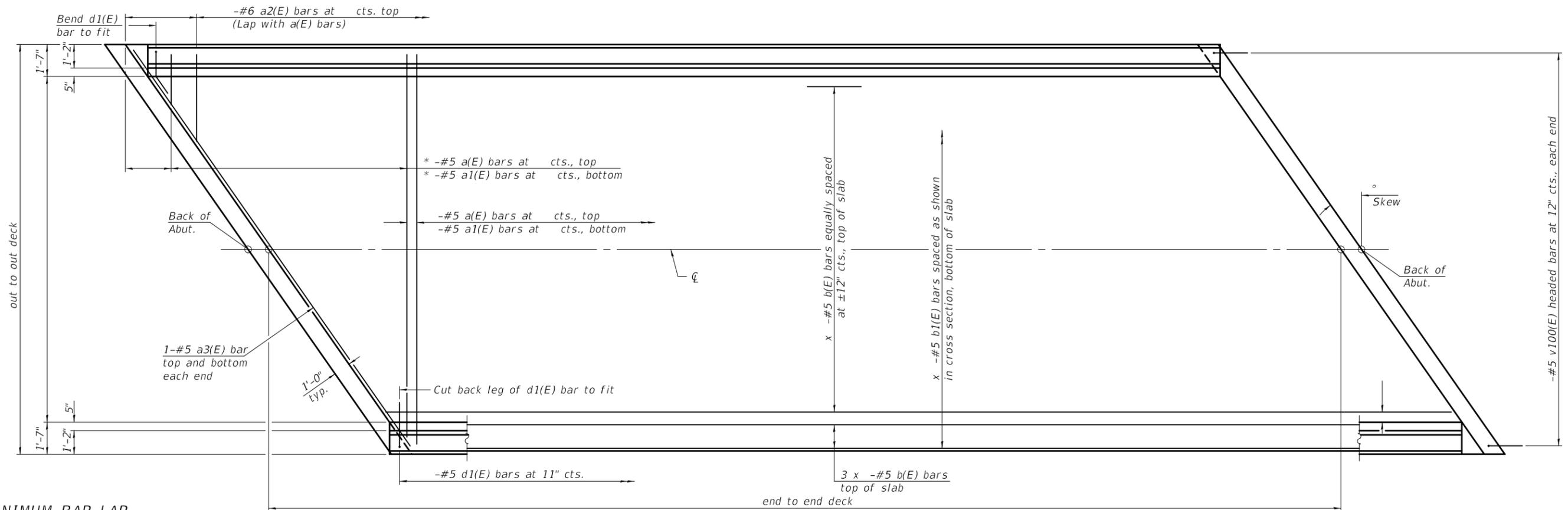
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-I3654-1-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 -								



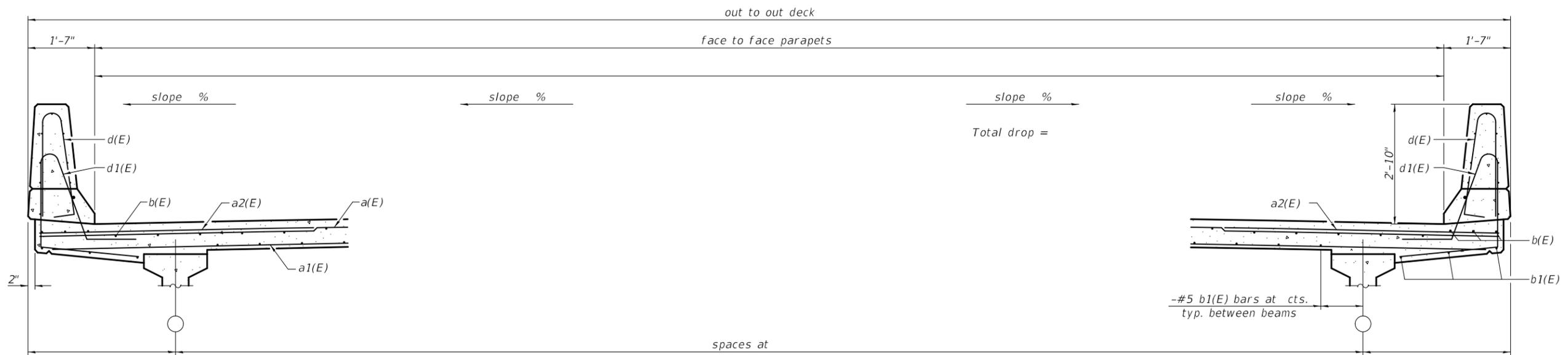
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PLAN

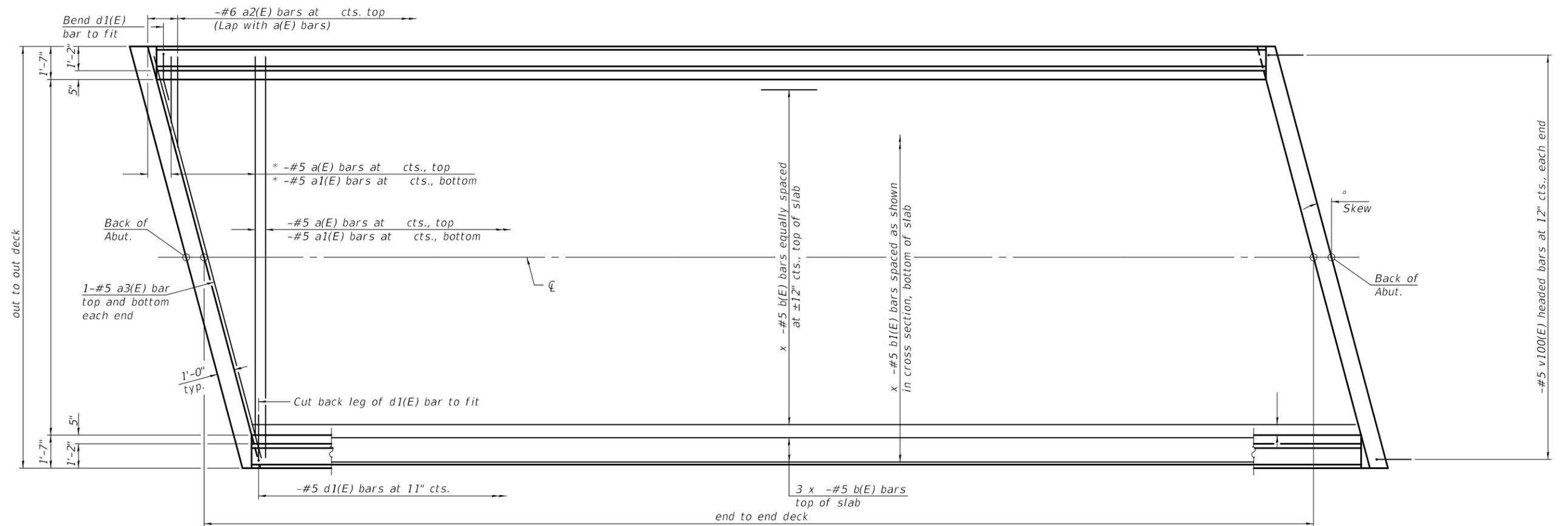
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-13654-1-R(>30°) 2-17-2017

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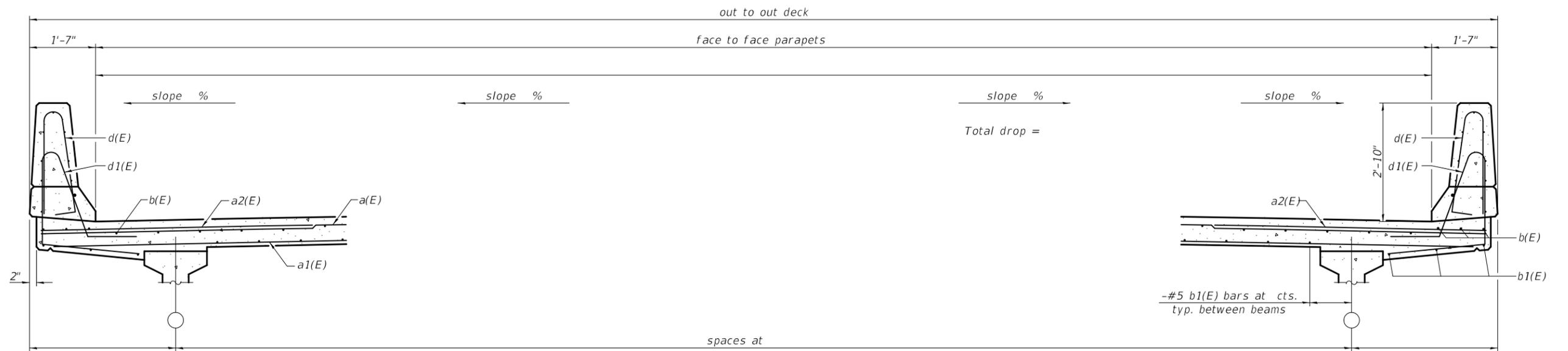
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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

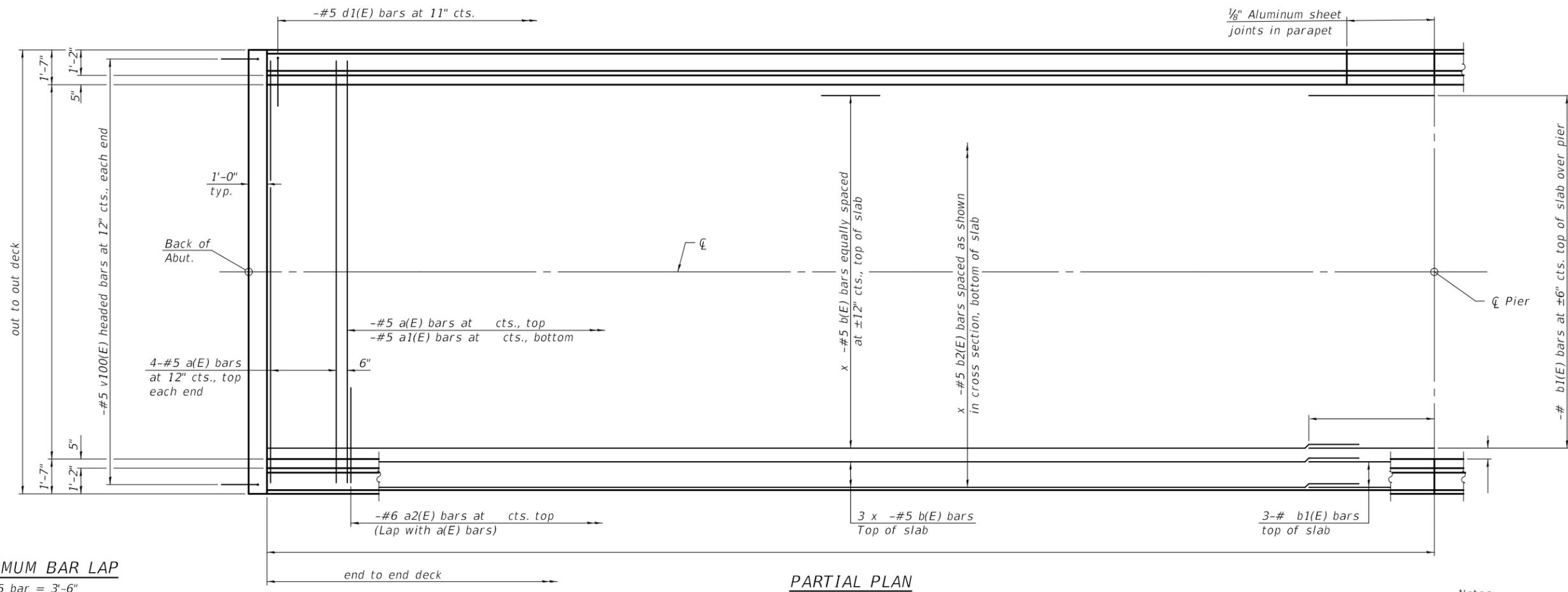
Notes:
See sheet of for superstructure details and Bill of Material.
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CROSS SECTION
(Looking)

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

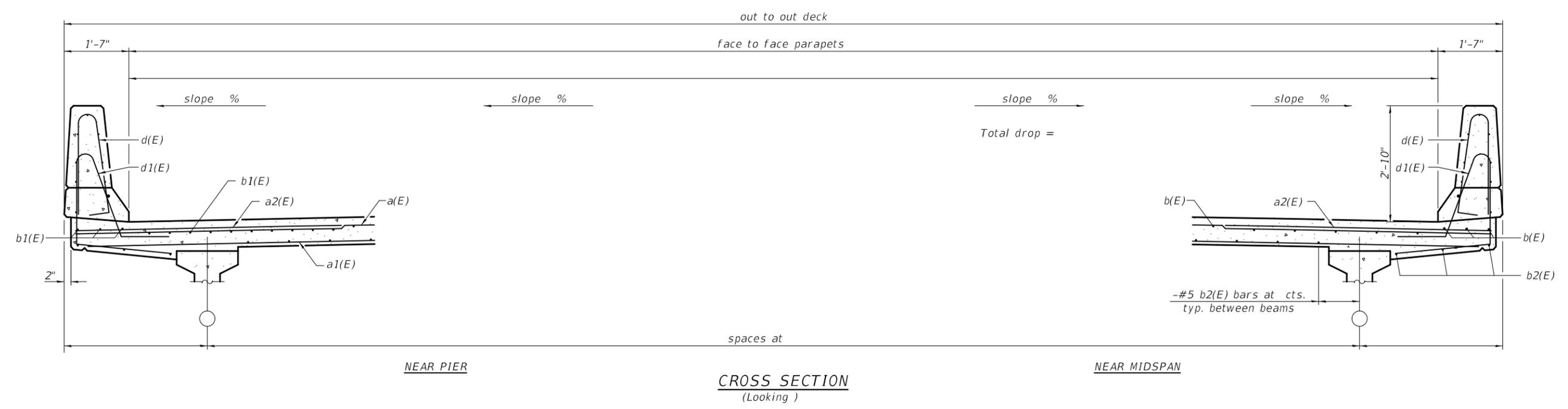
FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISED -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE =	REVISED -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



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

SI-I3654-2-0 2-17-2017

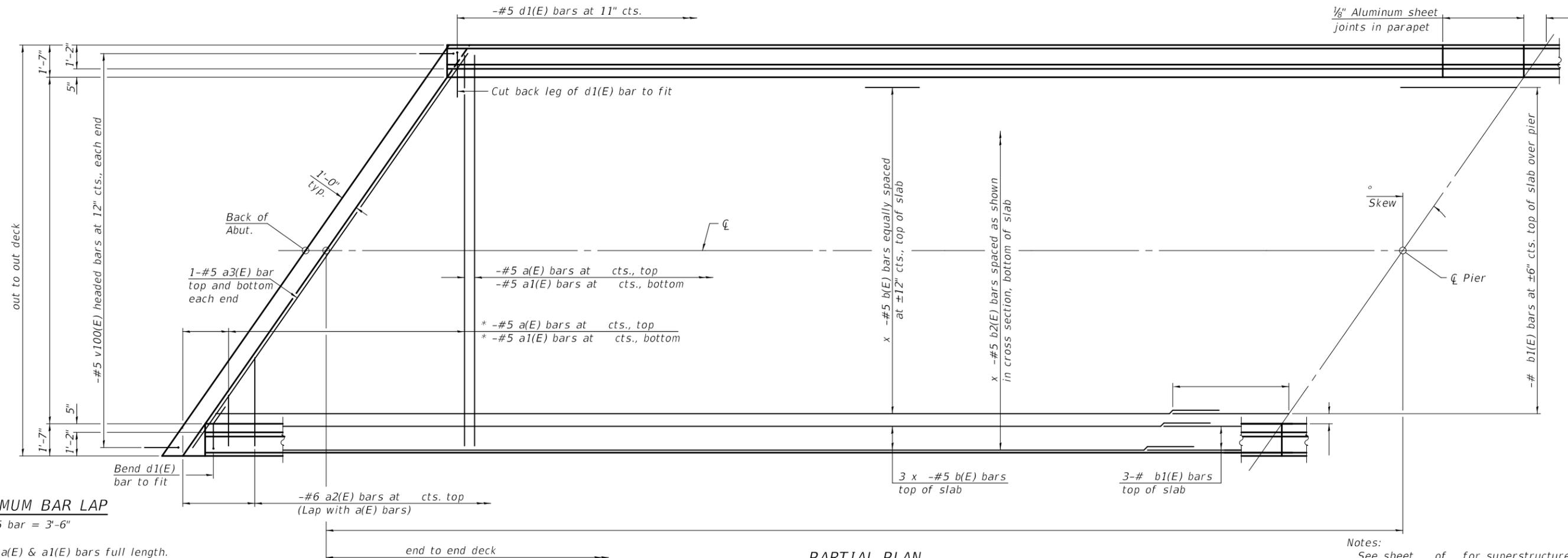
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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		DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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

ILLINOIS FED. AID PROJECT



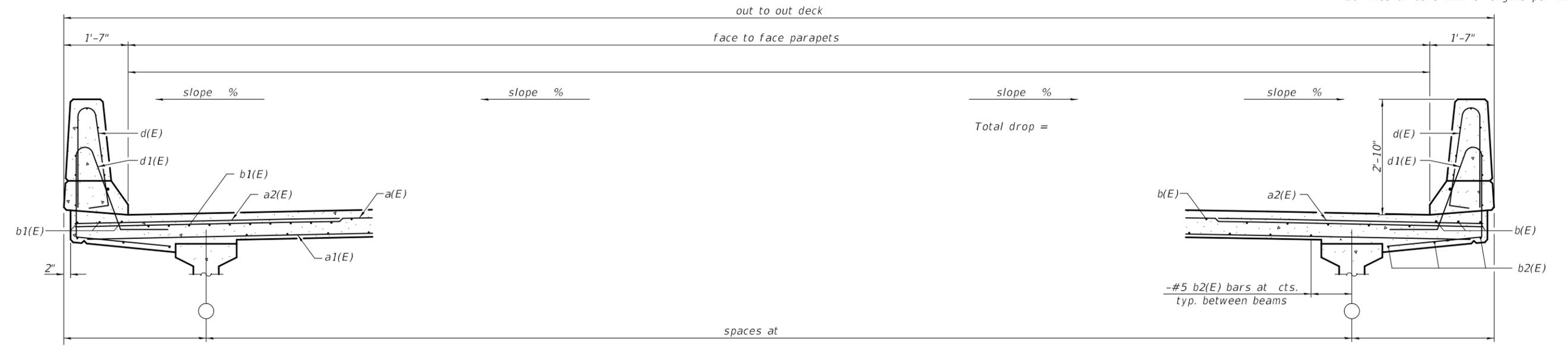
MINIMUM BAR LAP

#5 bar = 3'-6"

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PARTIAL PLAN

Notes:
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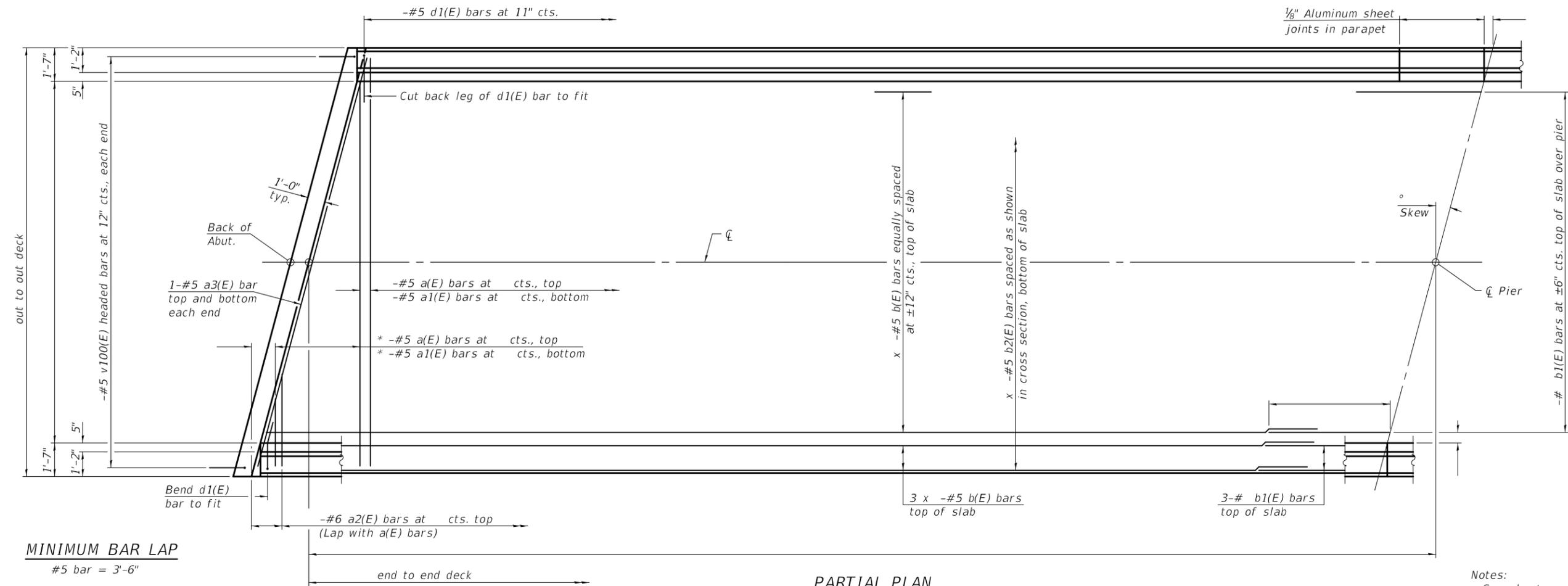
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

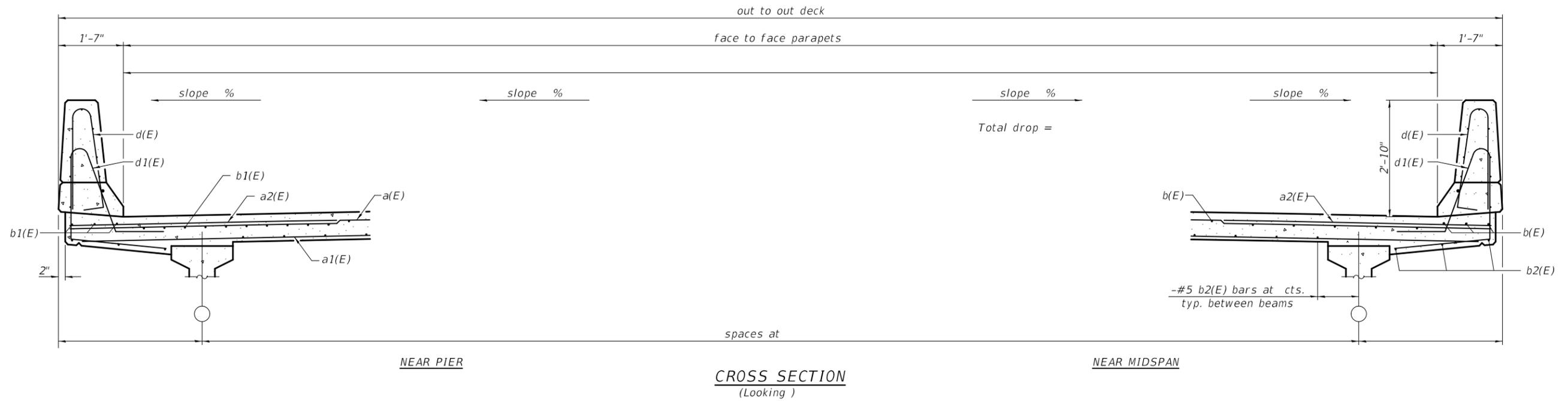
SI-I3654-2-L(>30°) 2-17-2017

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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		CHECKED -	REVISD -								



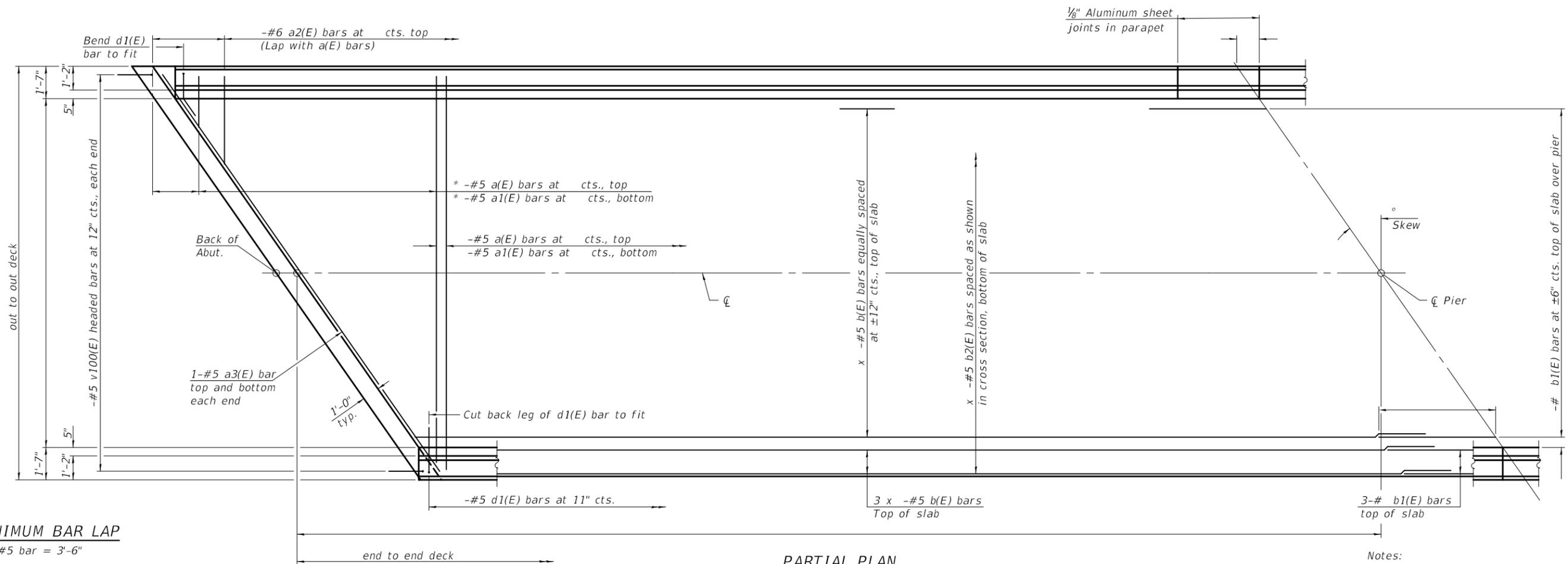
PARTIAL PLAN

Notes:
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SI-I3654-2-L($\leq 30^\circ$) 2-17-2017

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		PLOT DATE =	CHECKED -								



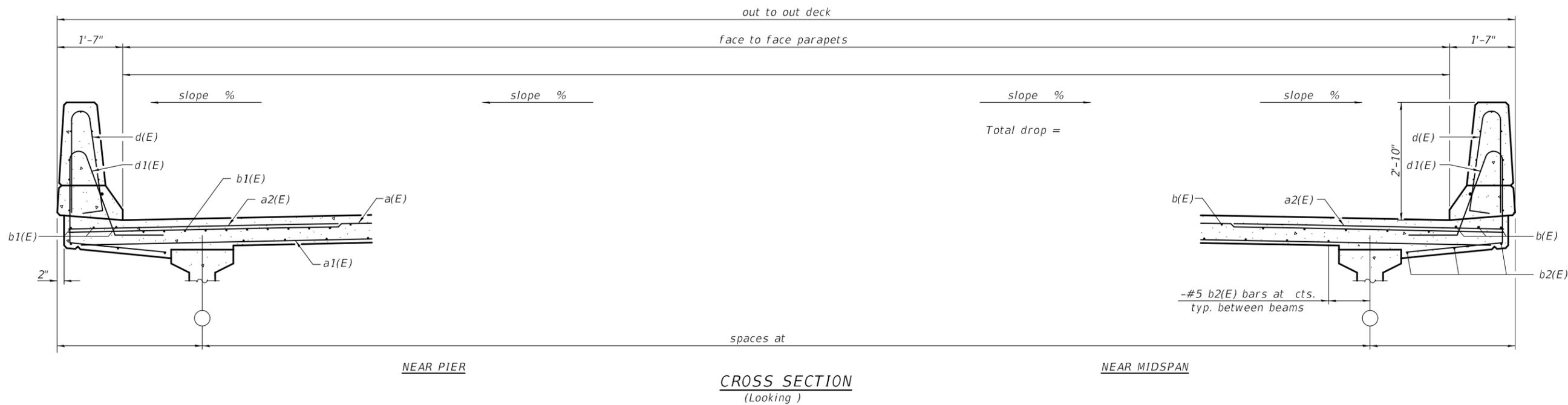
MINIMUM BAR LAP

#5 bar = 3'-6"

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

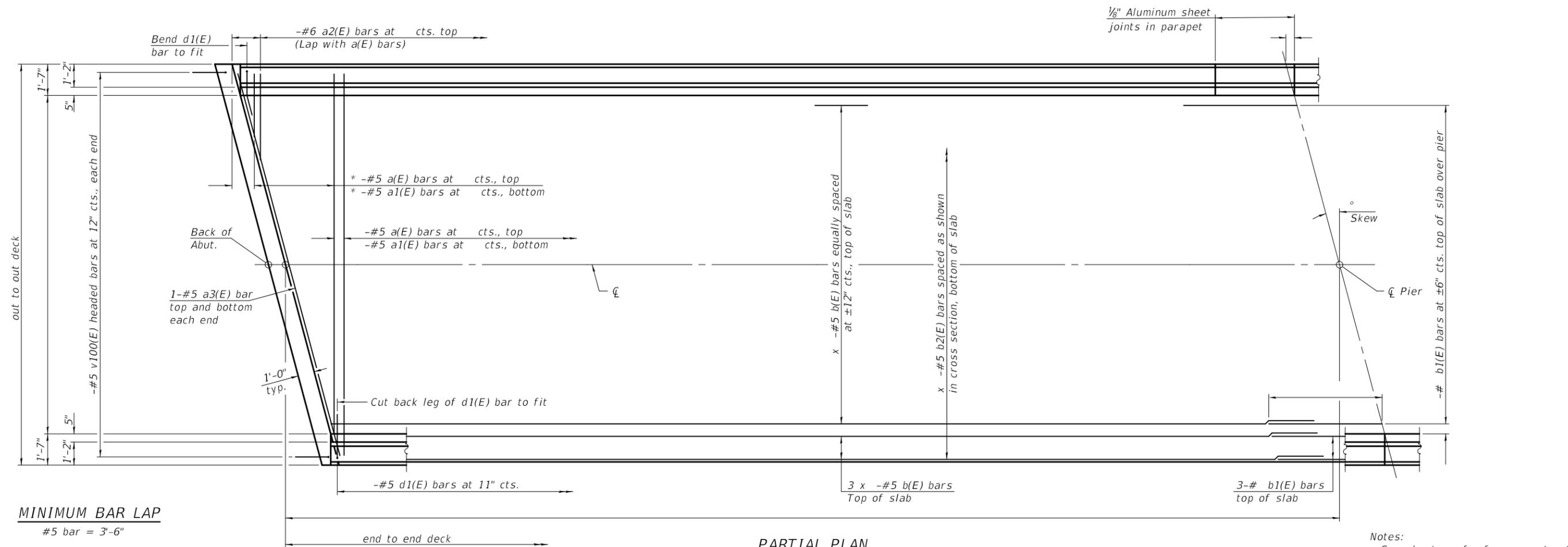
PARTIAL PLAN

Notes:
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SI-I3654-2-R(>30°) 2-17-2017

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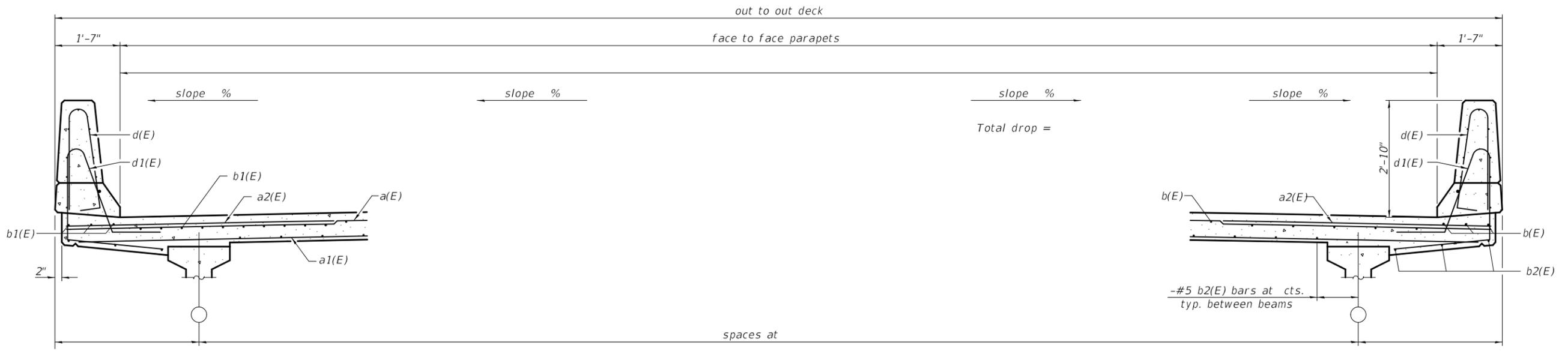


PARTIAL PLAN

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

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

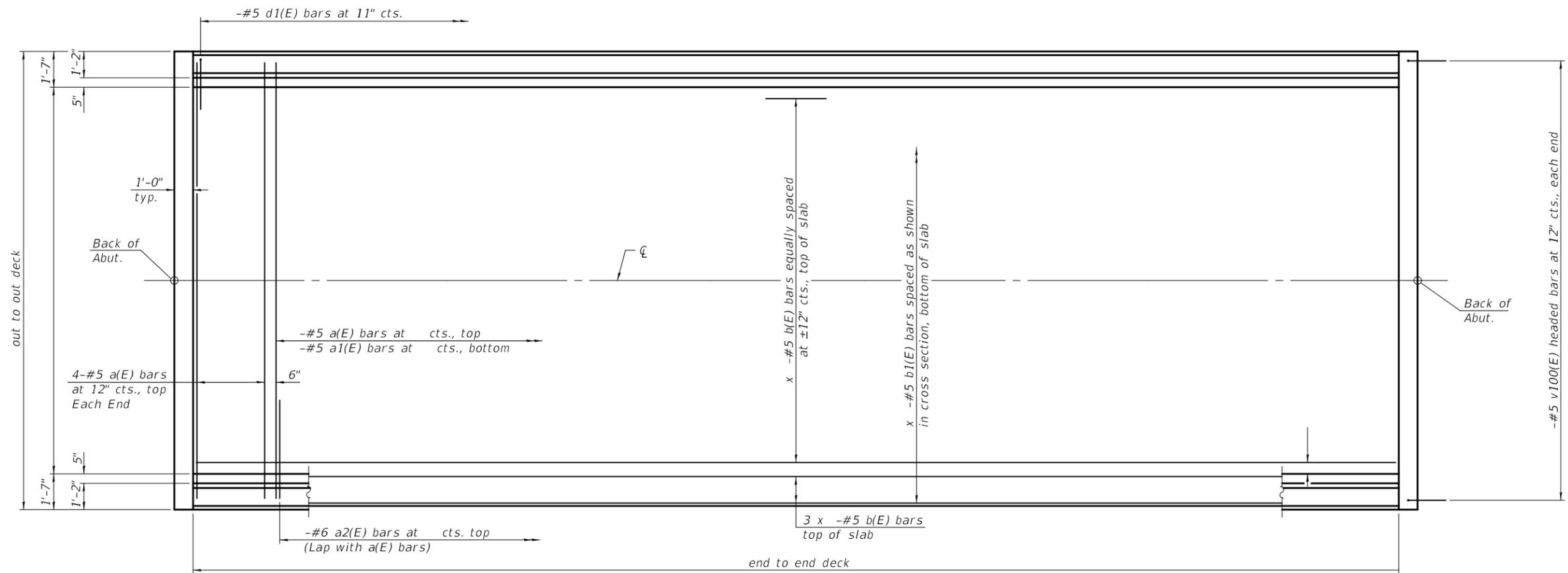
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CROSS SECTION
(Looking)

SI-I3654-2-R($\leq 30^\circ$) 2-17-2017

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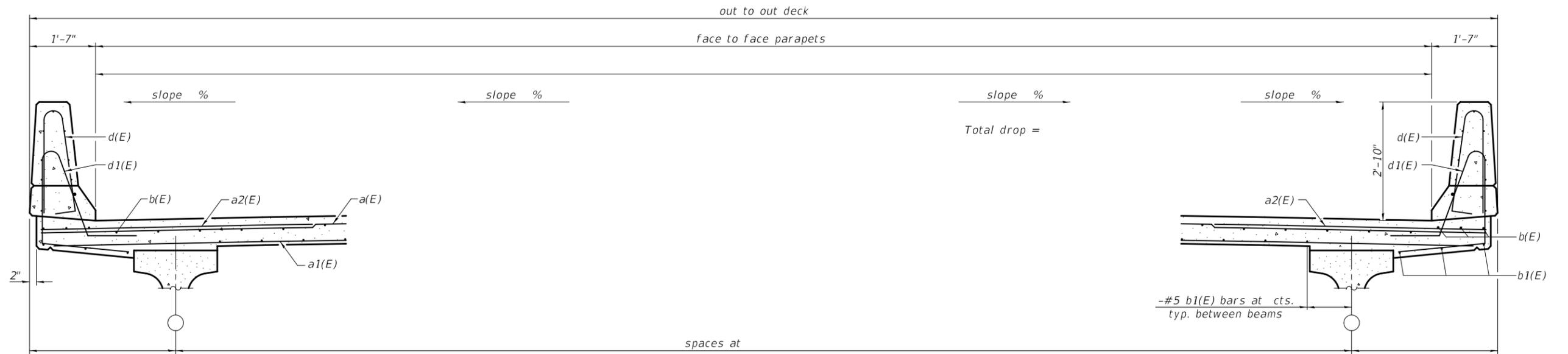


MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

Notes:
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CROSS SECTION

(Looking)

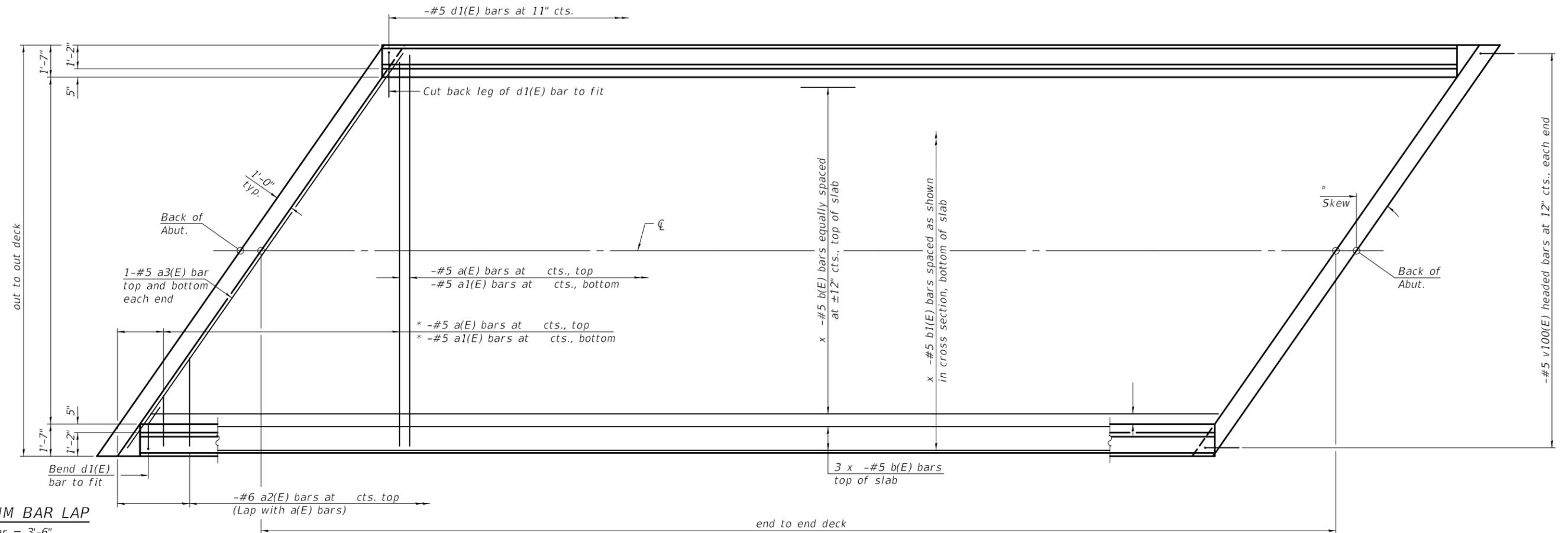
SI-IL2772N-1-0 2-17-2017

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO.**

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



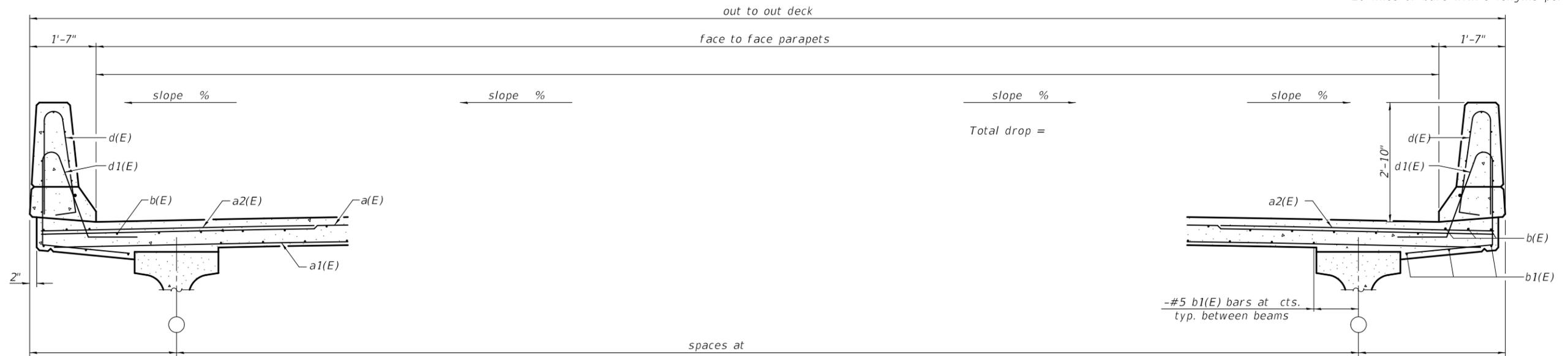
MINIMUM BAR LAP

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

PLAN

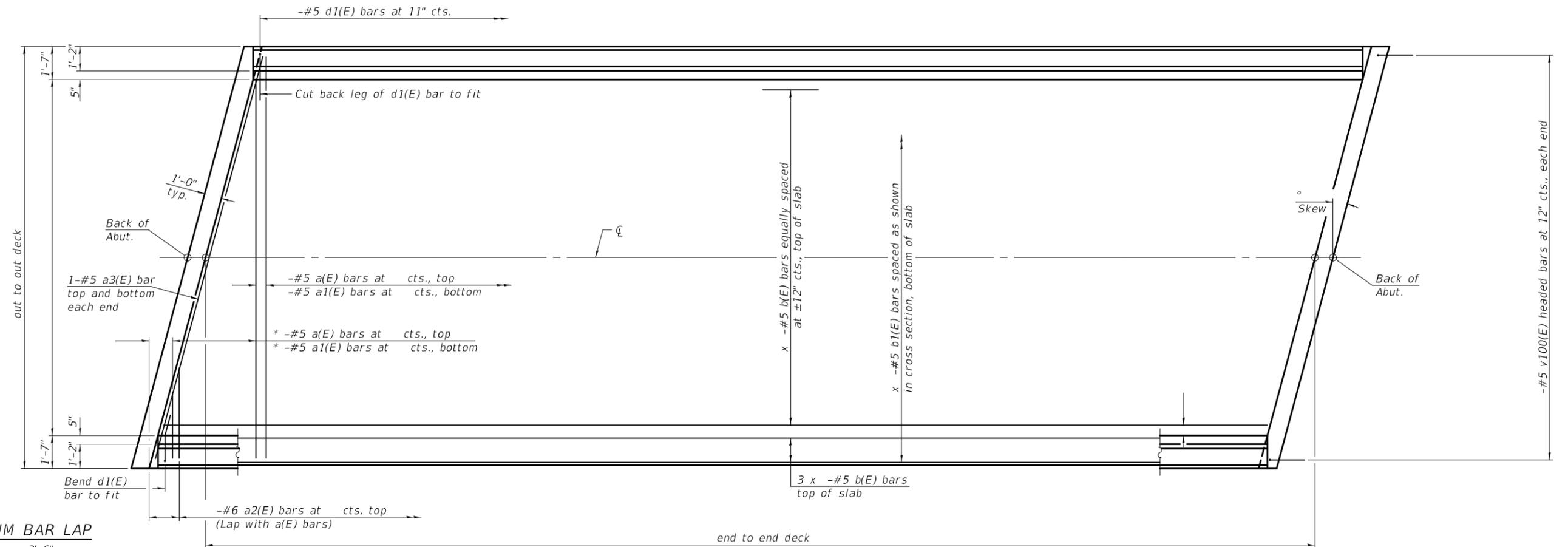
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CROSS SECTION
(Looking)

SI-IL2772N-1-L(>30°) 2-17-2017

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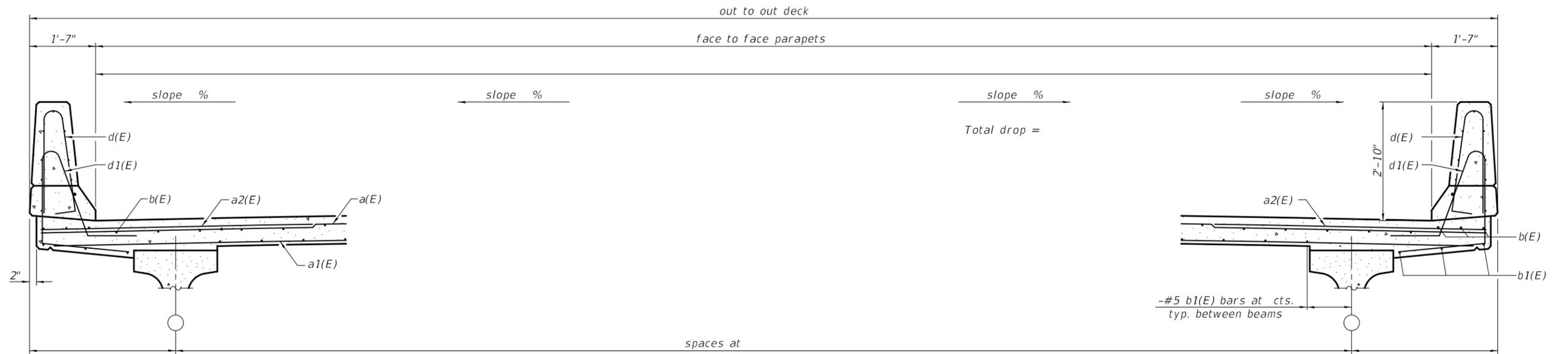
MINIMUM BAR LAP

#5 bar = 3'-6"

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PLAN

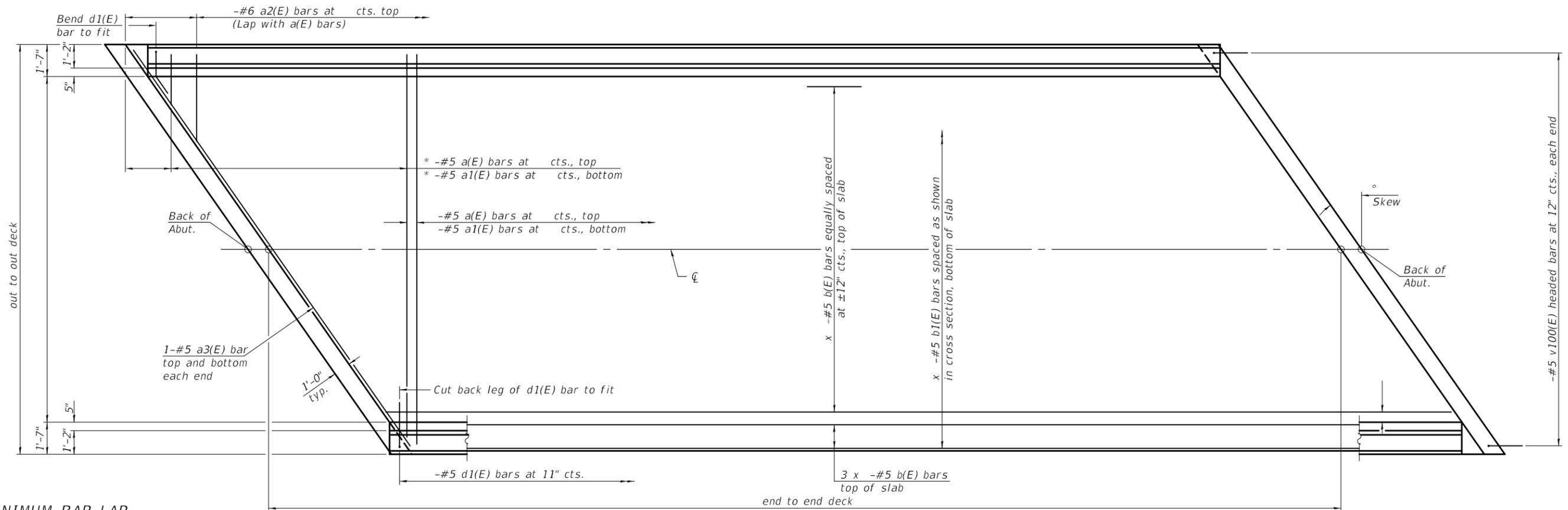
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CROSS SECTION
(Looking)

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

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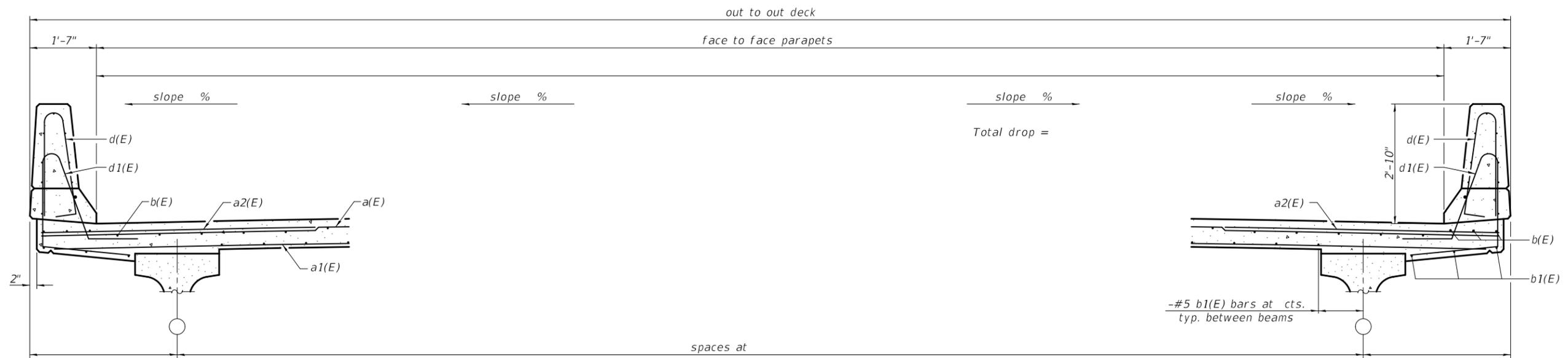
MINIMUM BAR LAP

#5 bar = 3'-6"

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PLAN

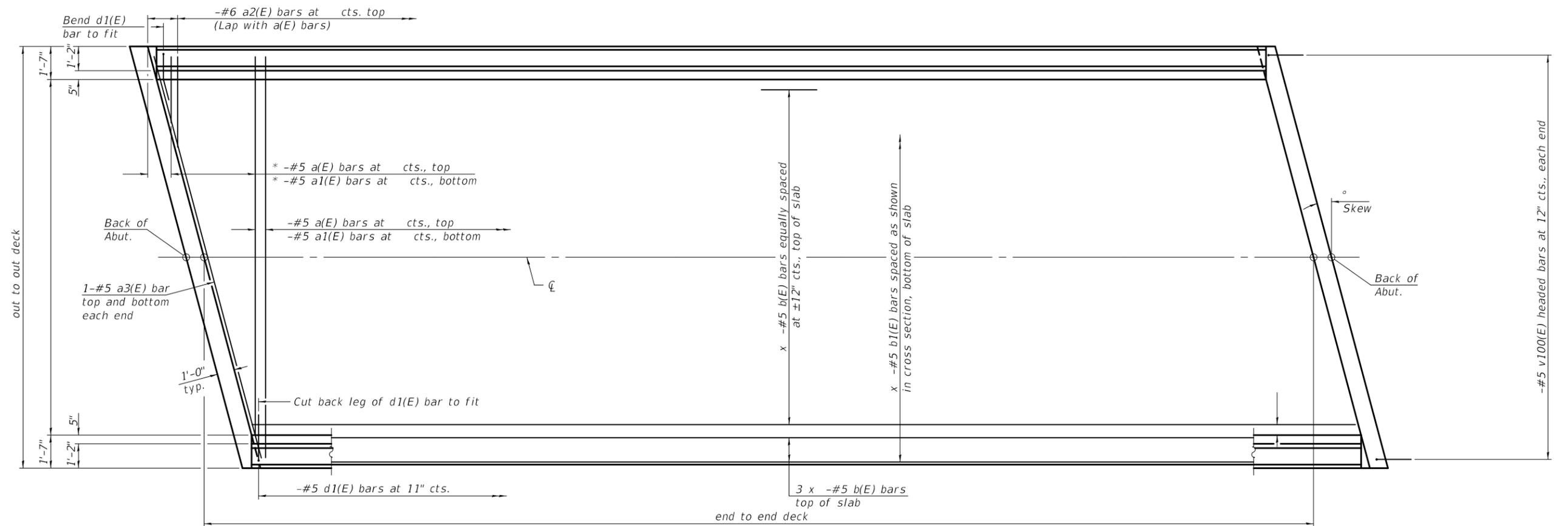
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CROSS SECTION
(Looking)

SI-IL2772N-1-R(>30°) 2-17-2017

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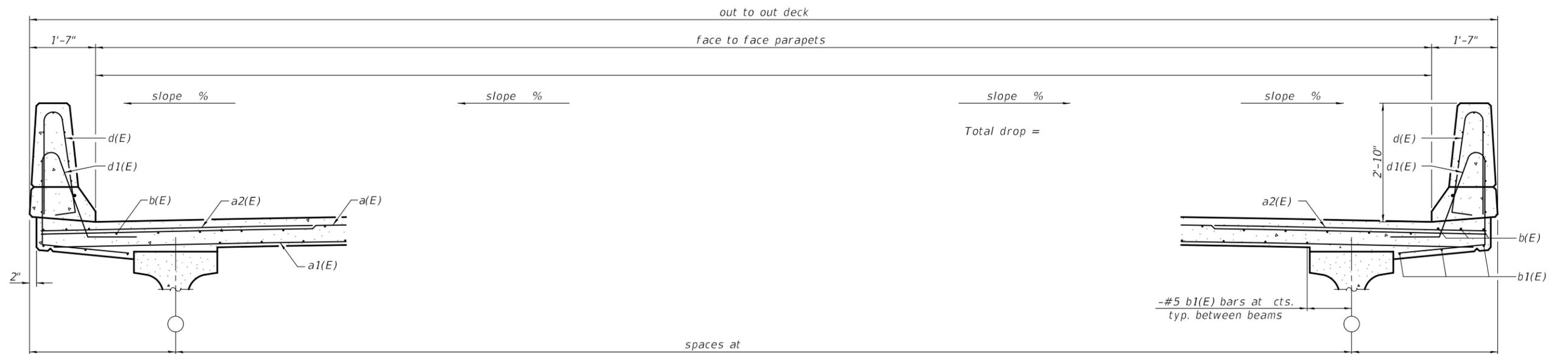
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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

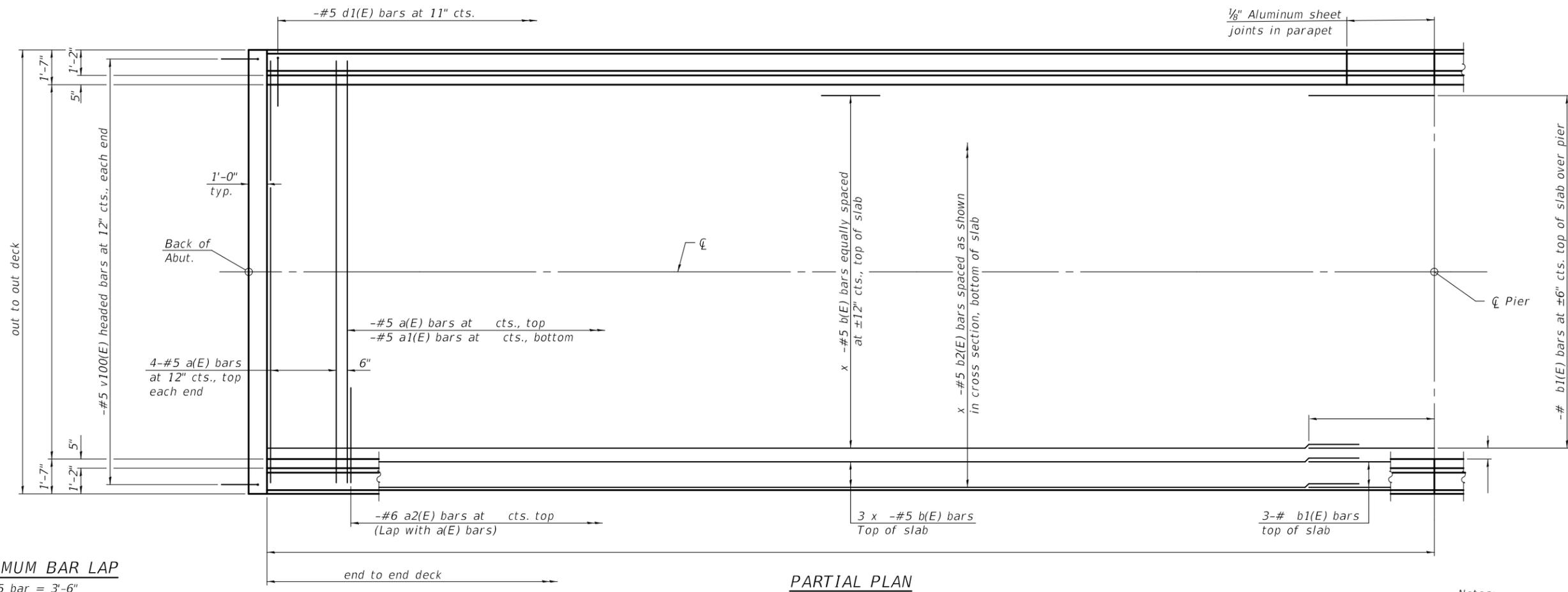
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CROSS SECTION
(Looking)

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

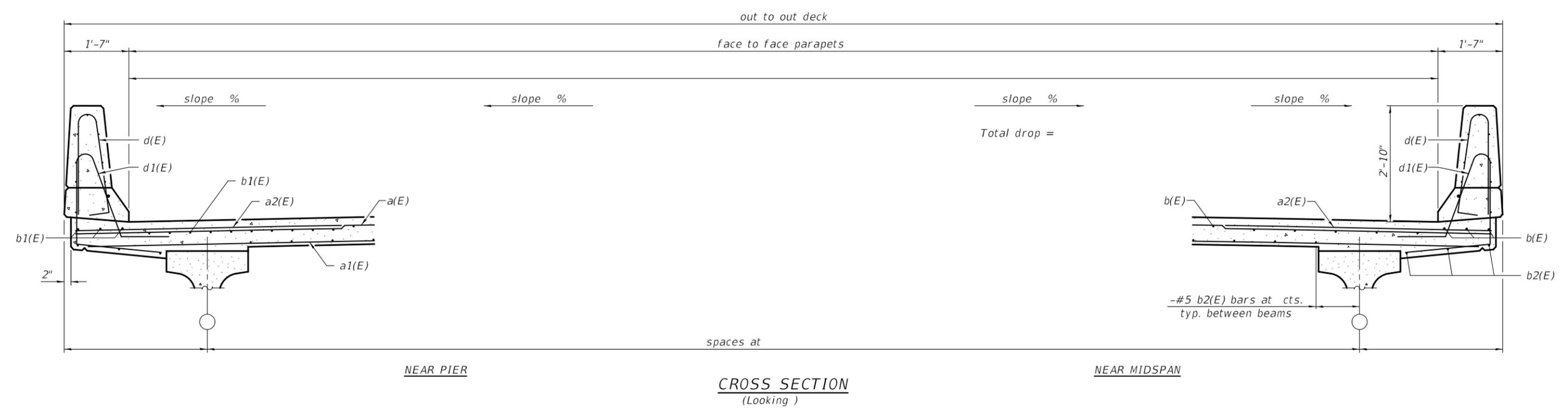
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MINIMUM BAR LAP
#5 bar = 3'-6"

PARTIAL PLAN

Notes:
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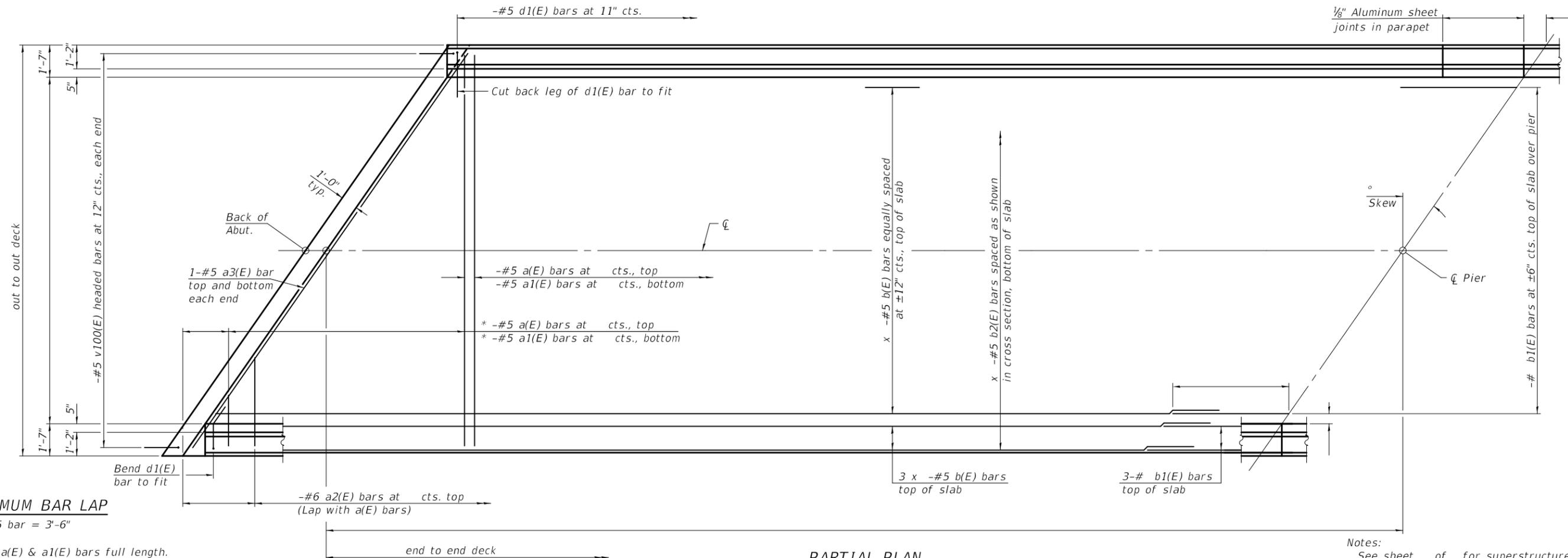
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL2772N-2-0 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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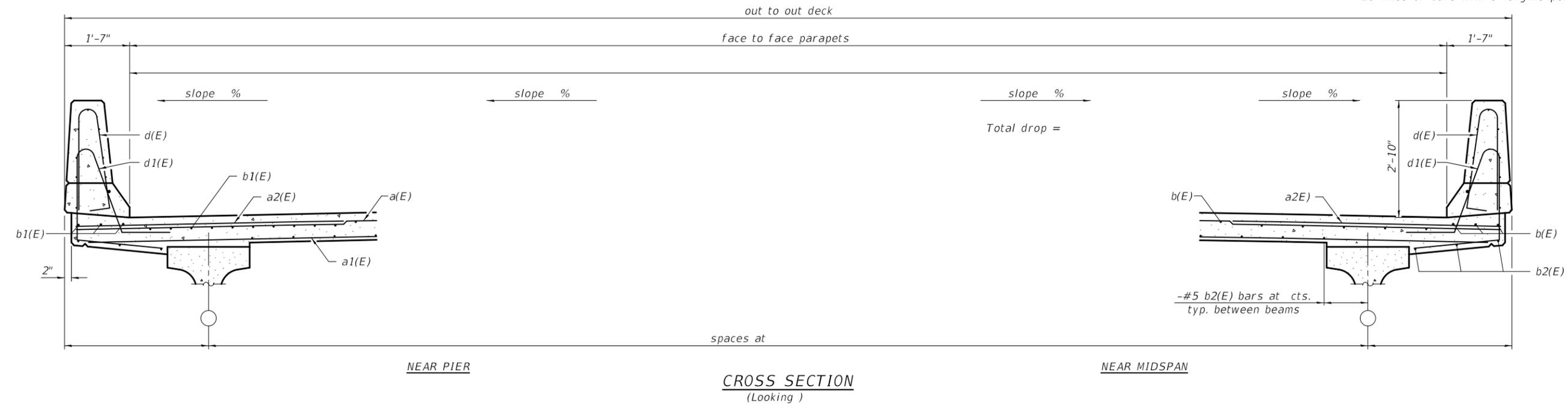
MINIMUM BAR LAP

#5 bar = 3'-6"

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

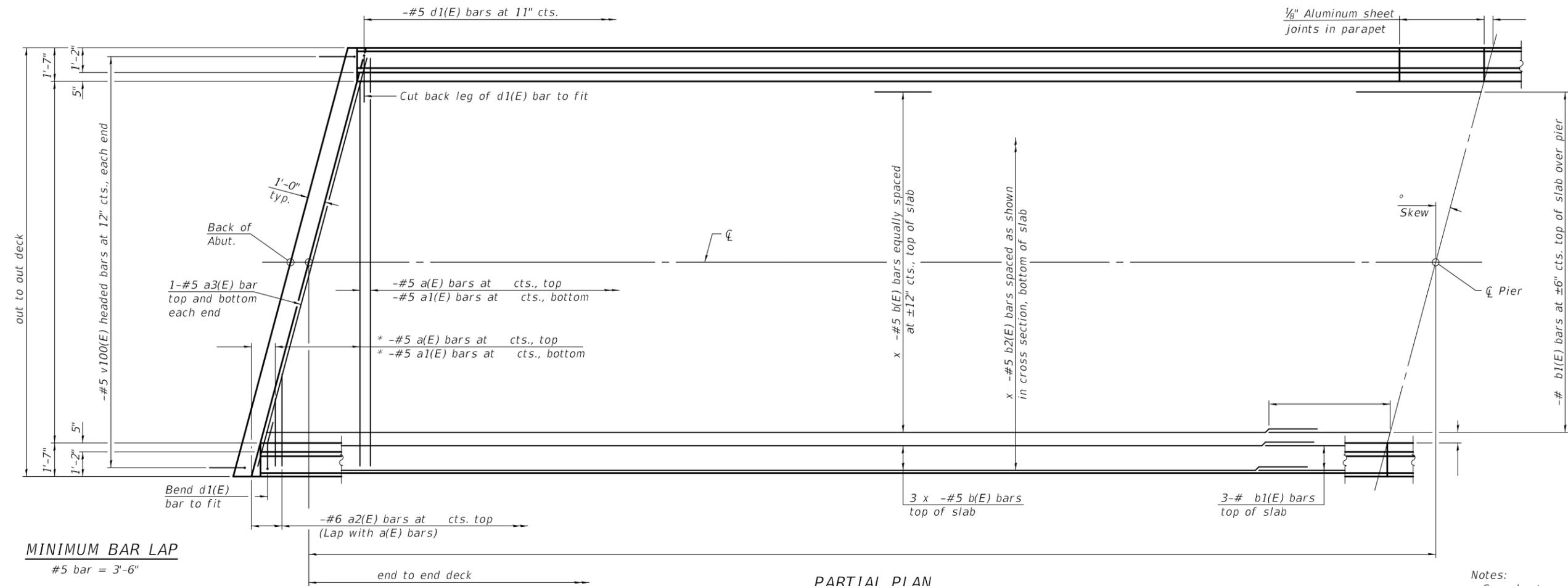
PARTIAL PLAN

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SI-IL2772N-2-L(>30°) 2-17-2017

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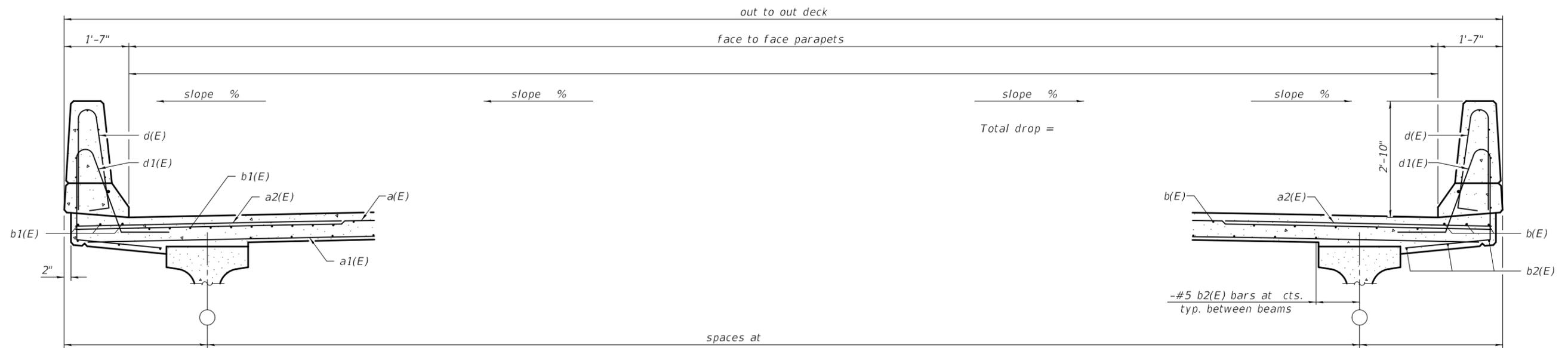
PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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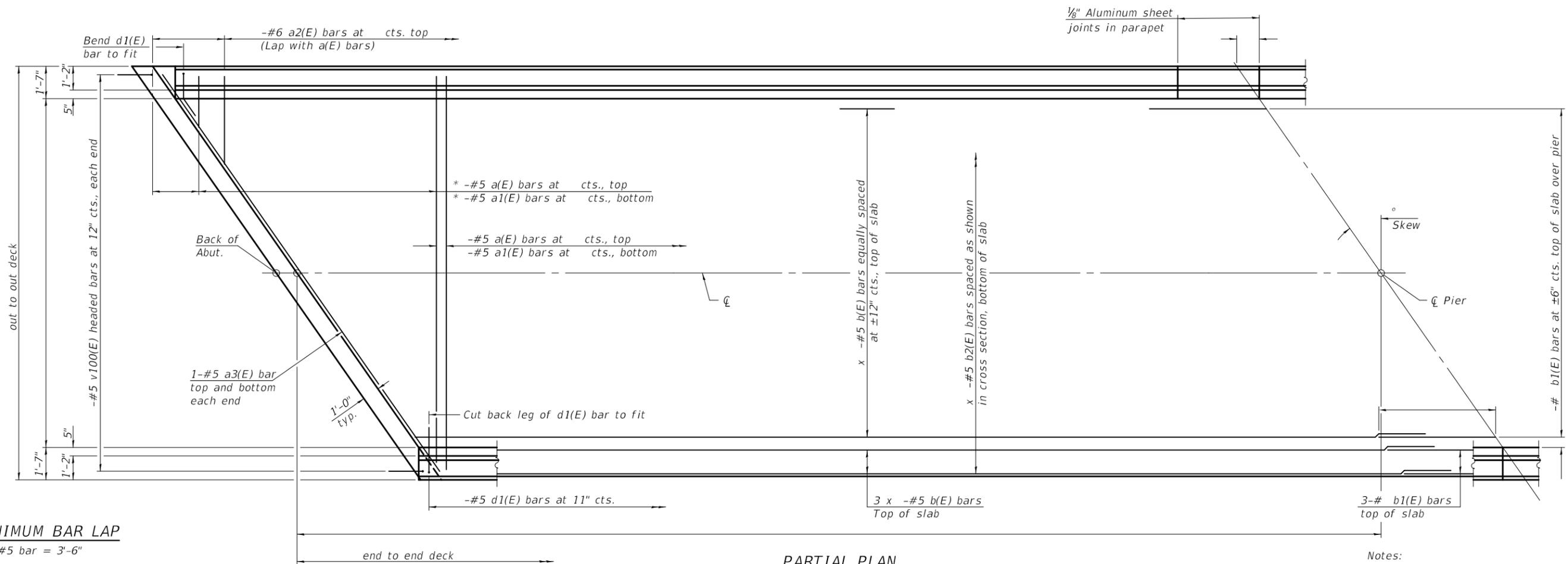
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CROSS SECTION
(Looking)

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

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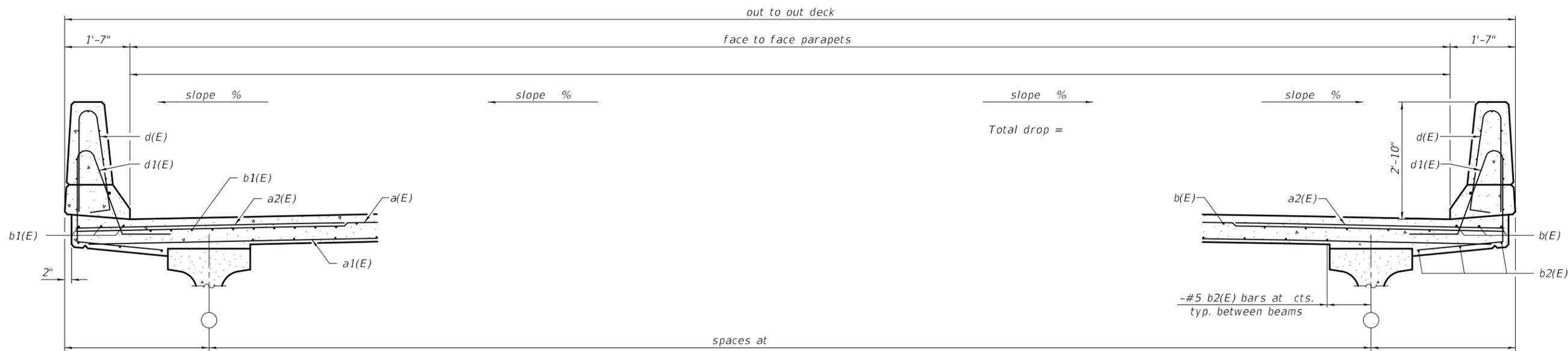
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PARTIAL PLAN

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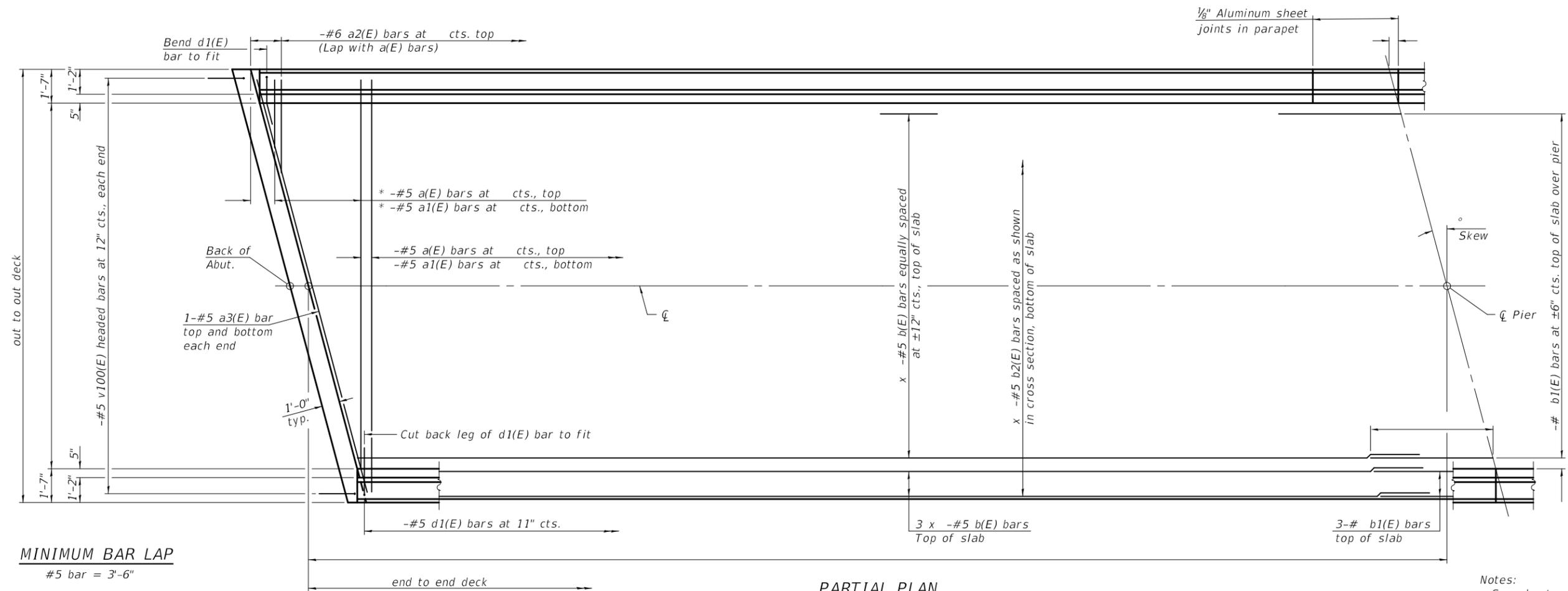
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL2772N-2-R(>30°) 2-17-2017

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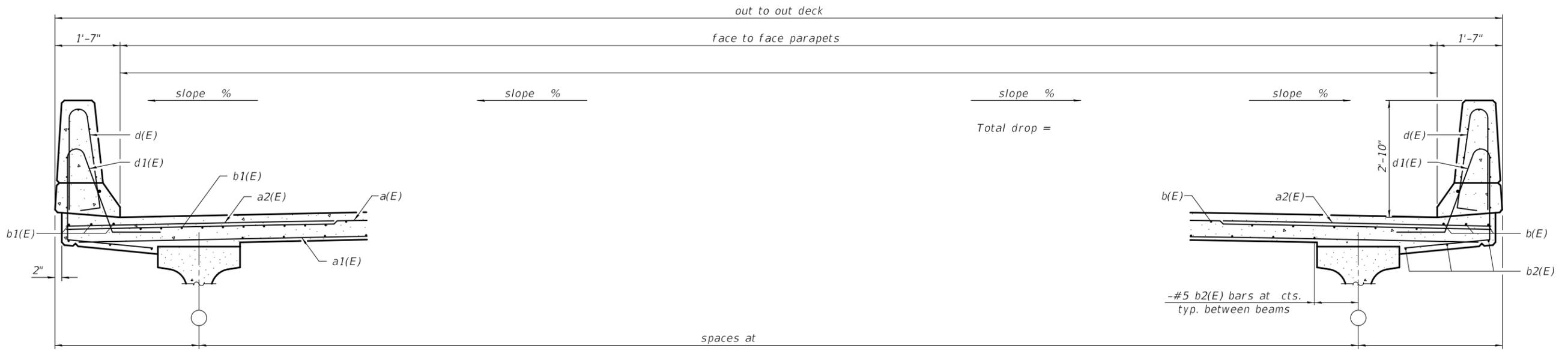
MINIMUM BAR LAP

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PARTIAL PLAN

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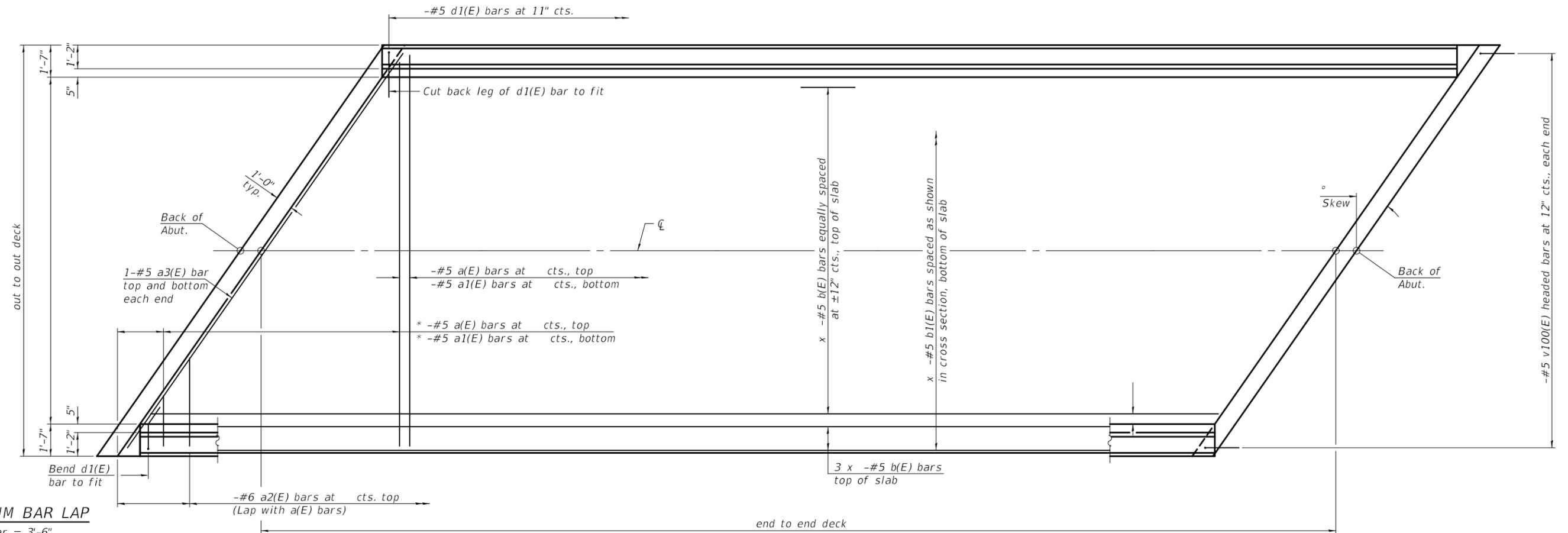
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL2772N-2-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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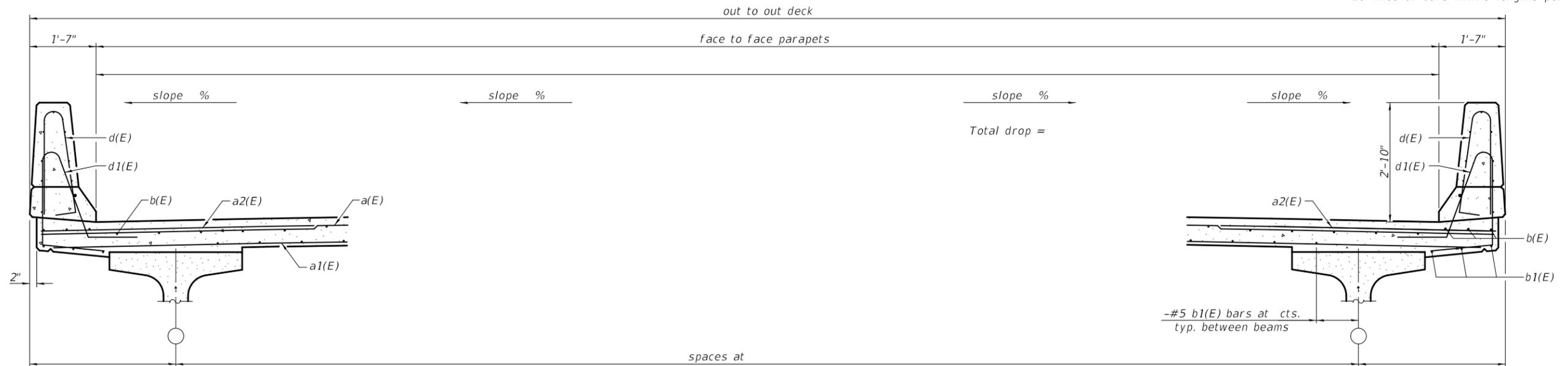
MINIMUM BAR LAP

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PLAN

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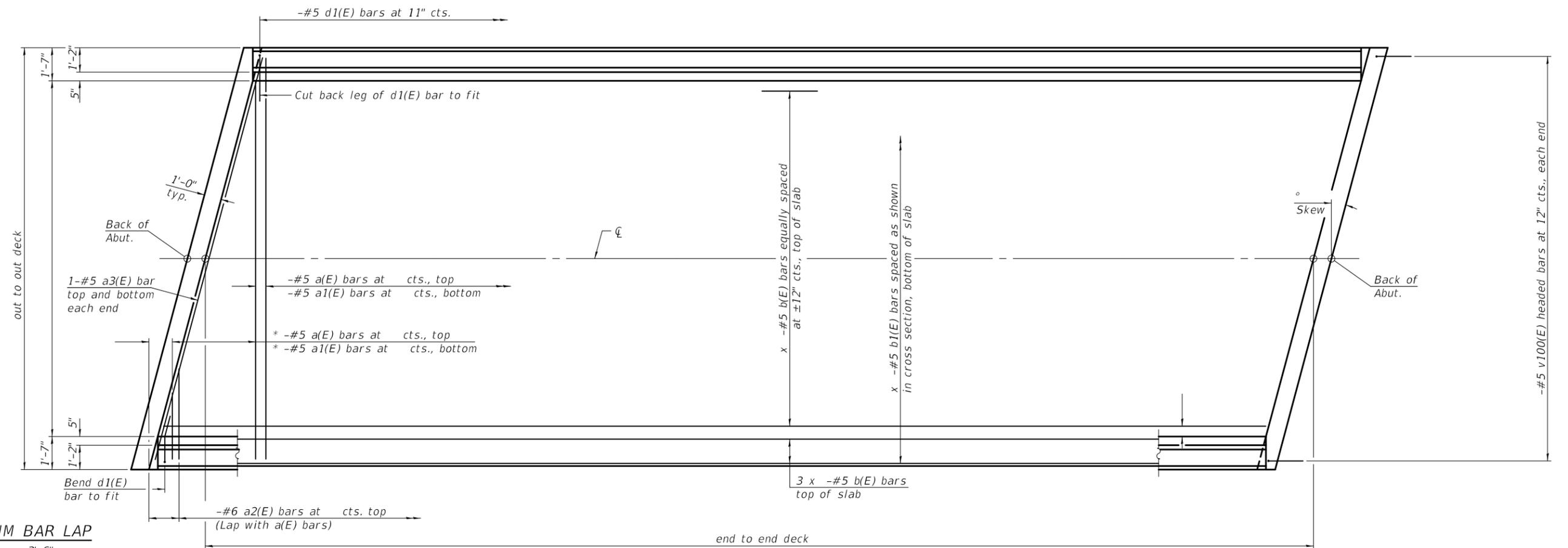


CROSS SECTION

(Looking)

SI-IL3672-1-L(>30°) 2-17-2017

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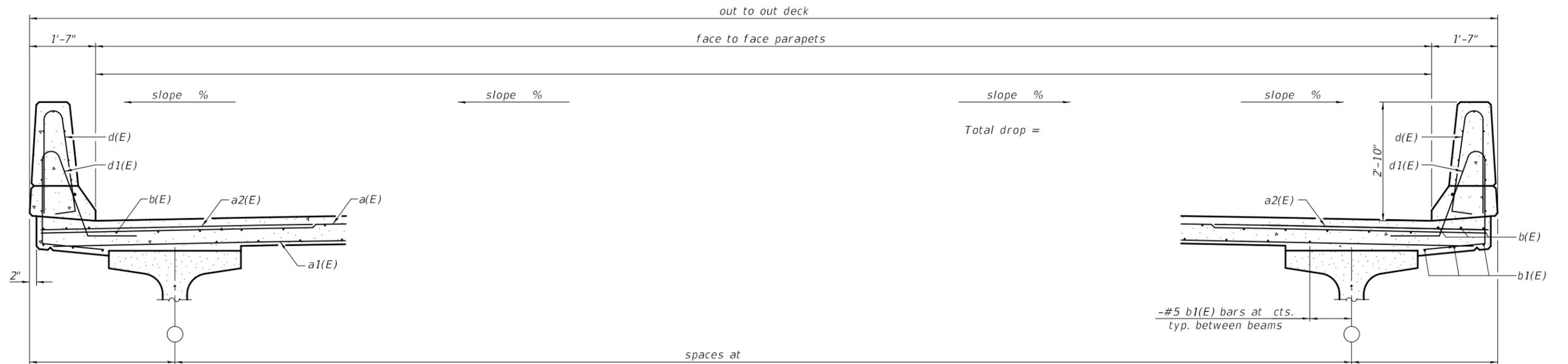
MINIMUM BAR LAP

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PLAN

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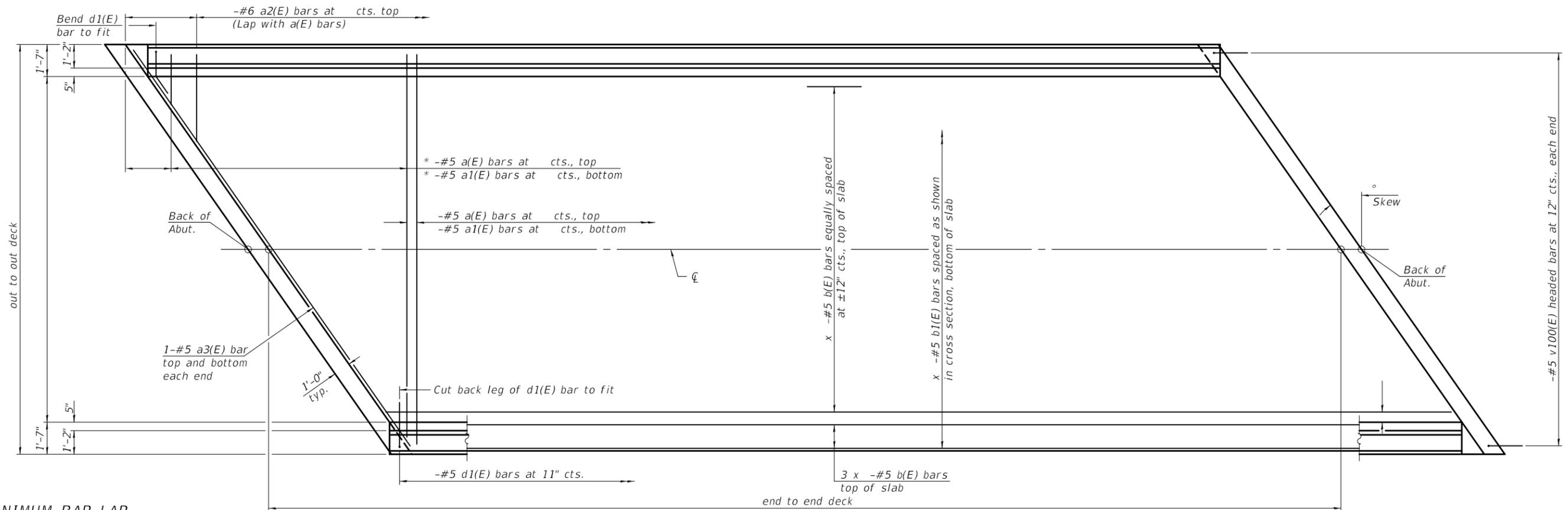


CROSS SECTION

(Looking)

SI-IL3672-1-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					
		CHECKED -	REVISD -								



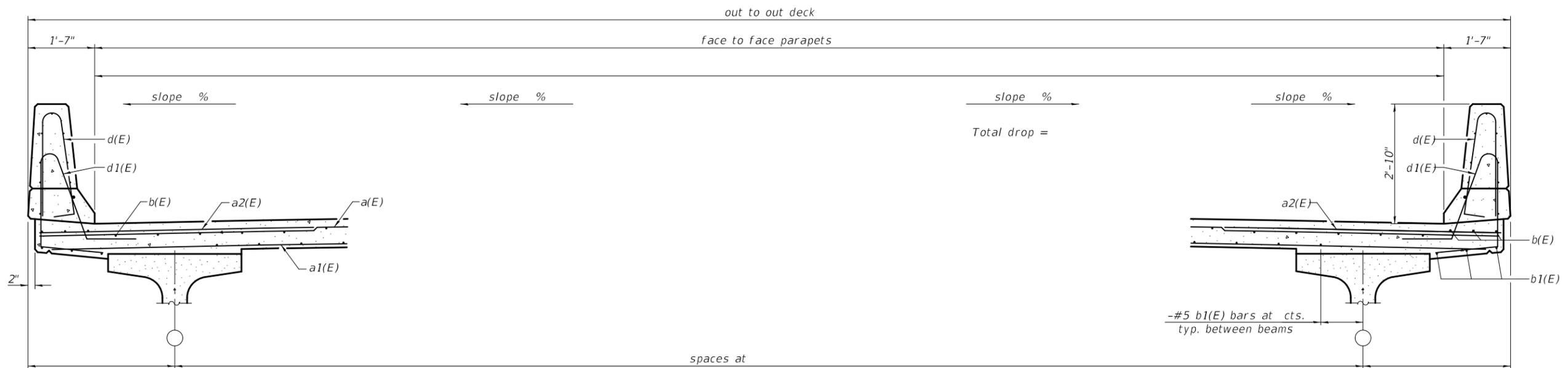
MINIMUM BAR LAP

#5 bar = 3'-6"

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

PLAN

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



CROSS SECTION

(Looking)

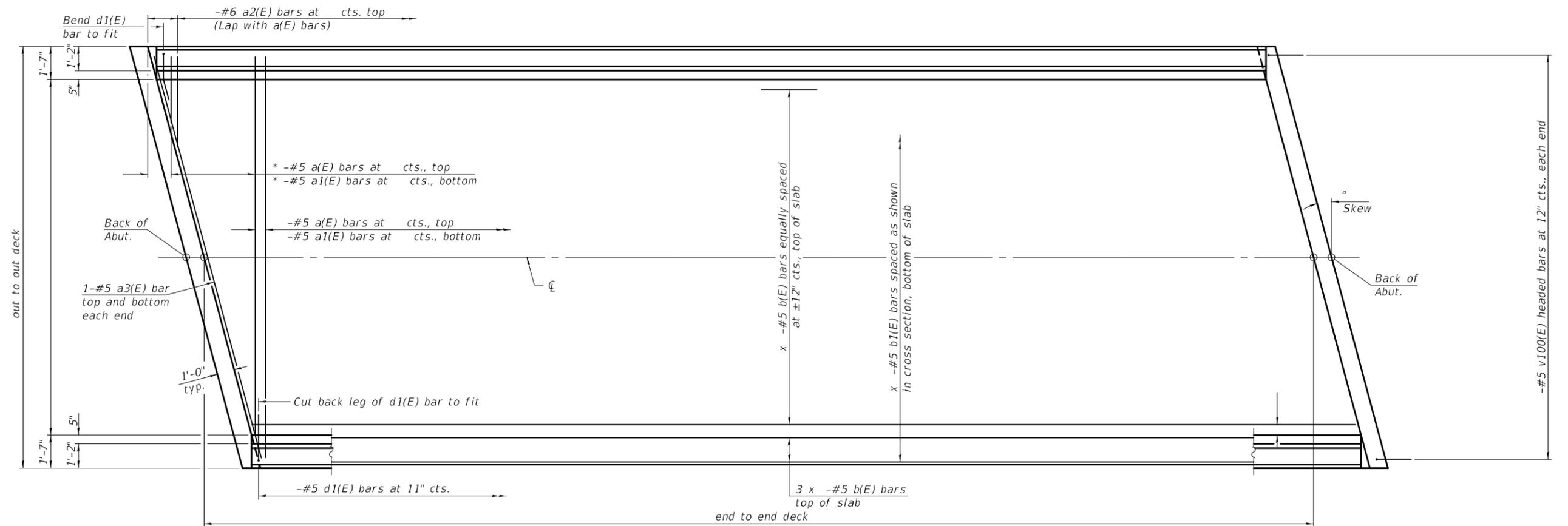
SI-IL3672-1-R(>30°) 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO.**

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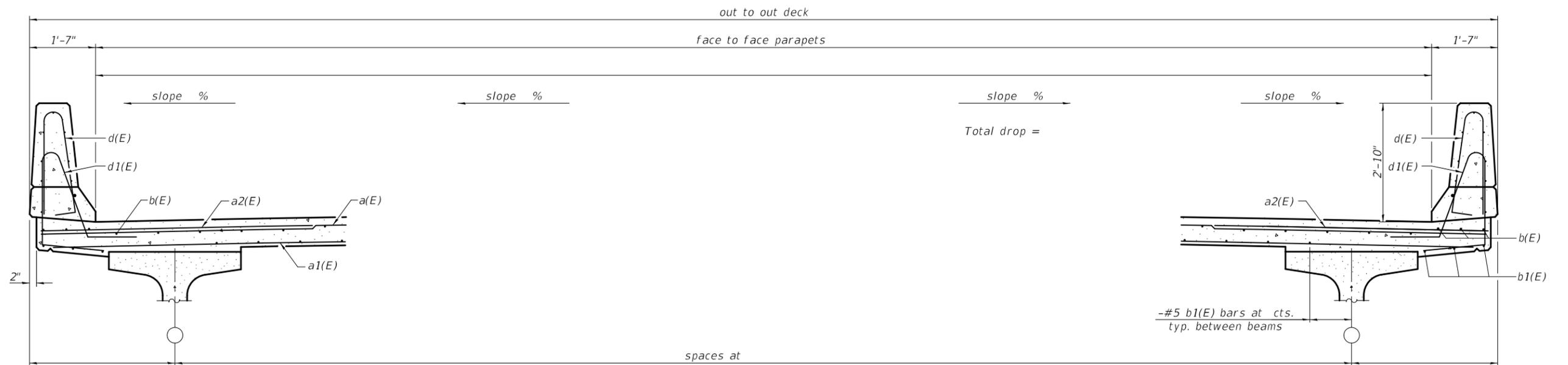
PLAN

MINIMUM BAR LAP

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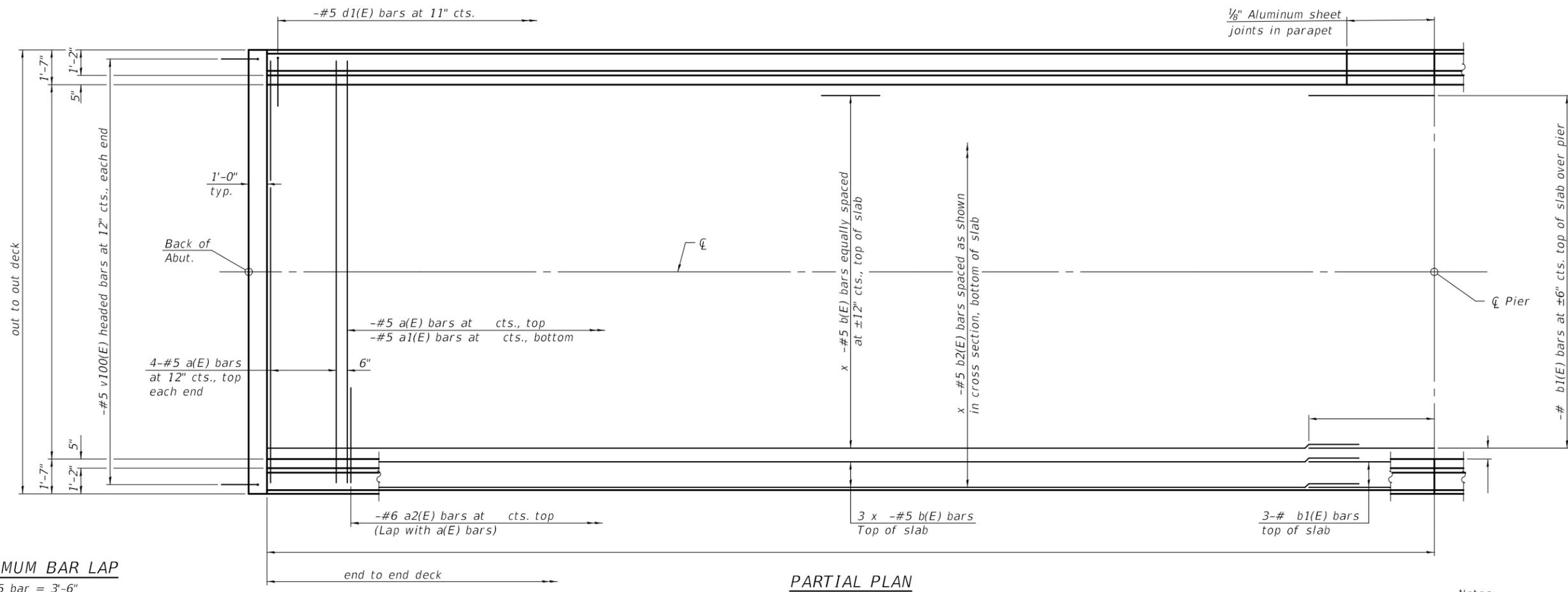


CROSS SECTION

(Looking)

SI-IL3672-1-R($\leq 30^\circ$) 2-17-2017

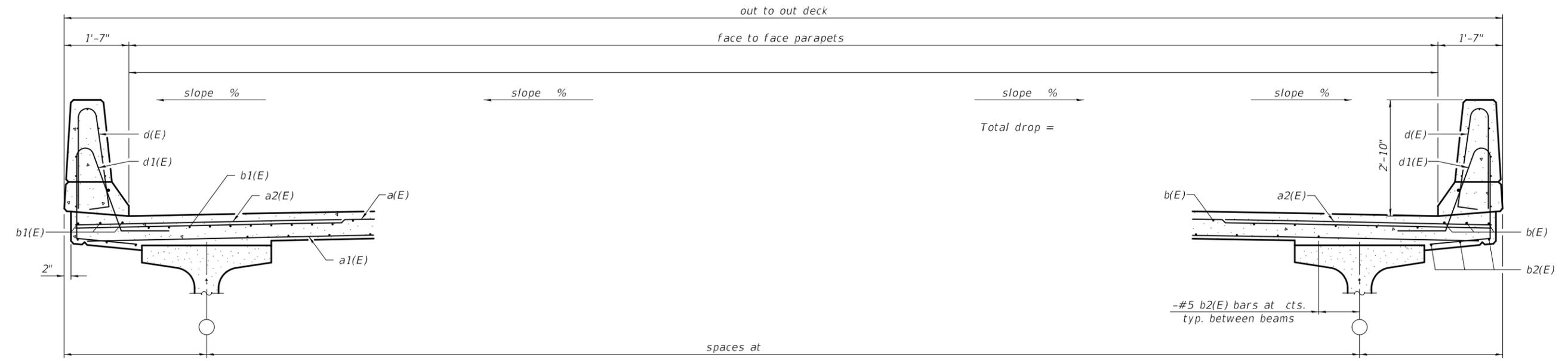
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MINIMUM BAR LAP
#5 bar = 3'-6"

PARTIAL PLAN

Notes:
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NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL3672-2-0 2-17-2017

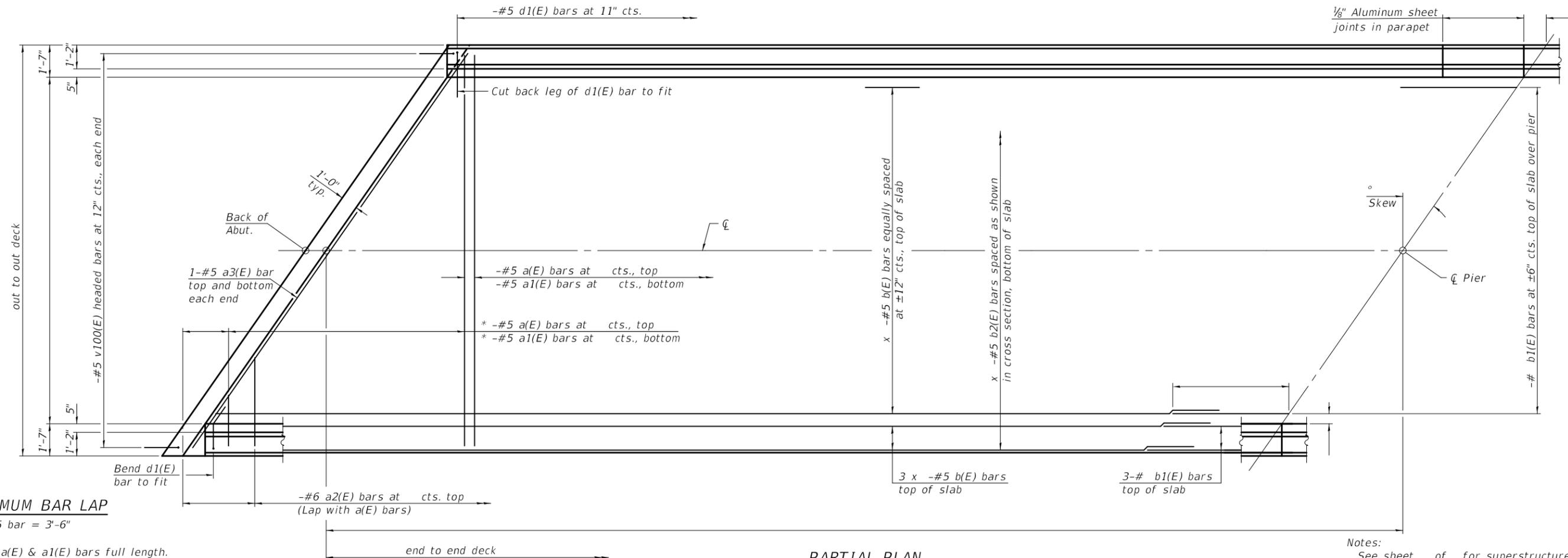
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		DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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

ILLINOIS FED. AID PROJECT



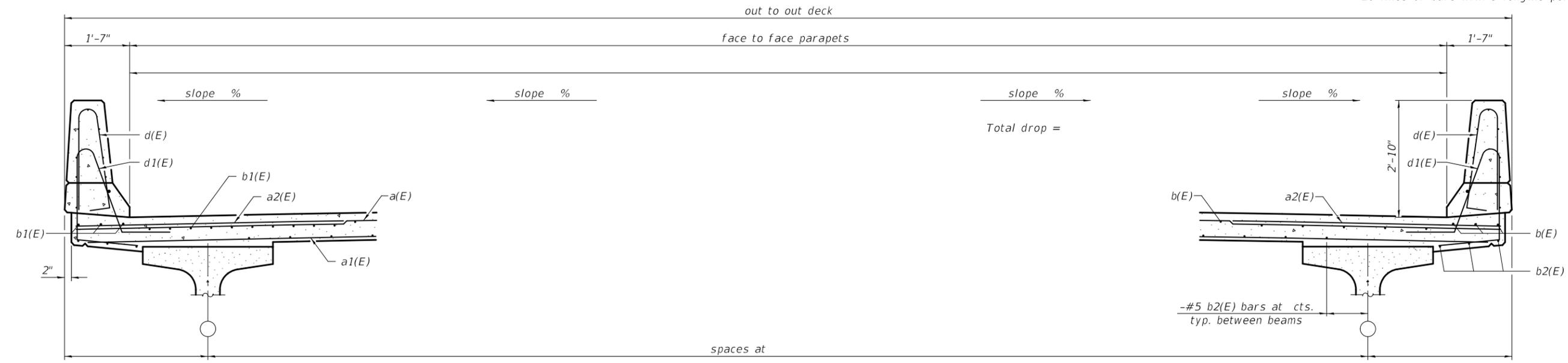
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PARTIAL PLAN

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NEAR PIER

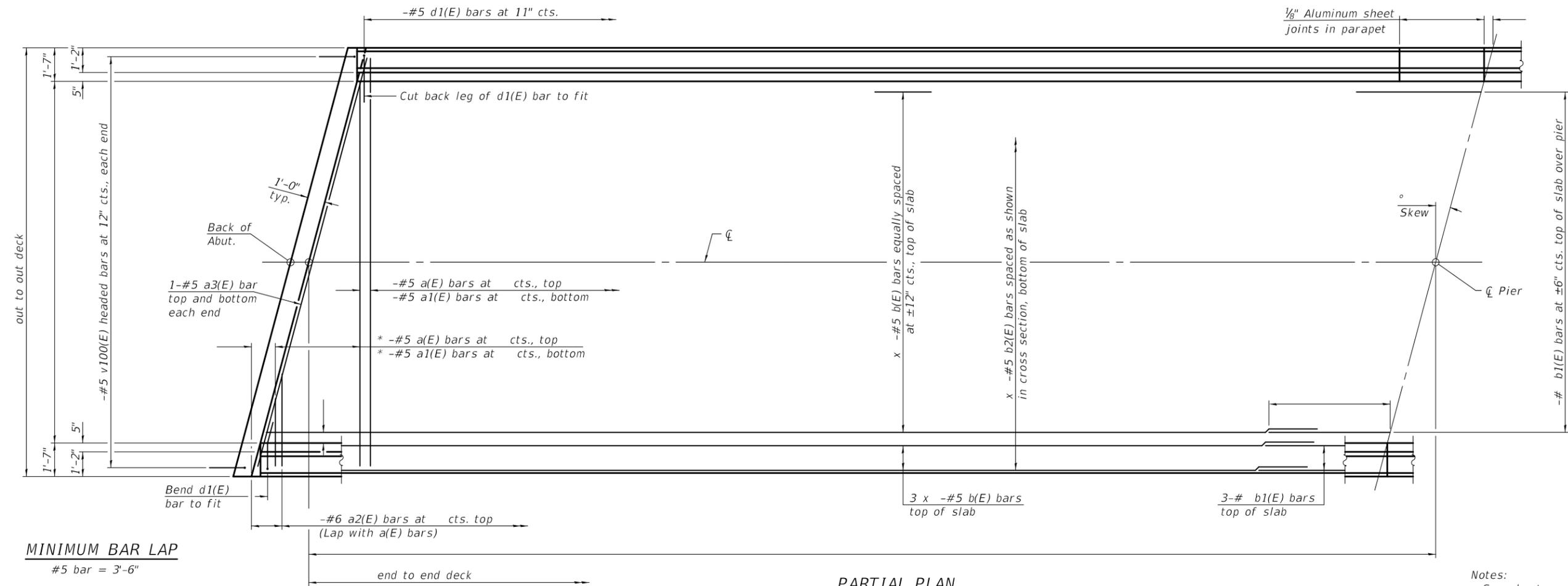
CROSS SECTION

(Looking)

NEAR MIDSPAN

SI-IL3672-2-L(>30°) 2-17-2017

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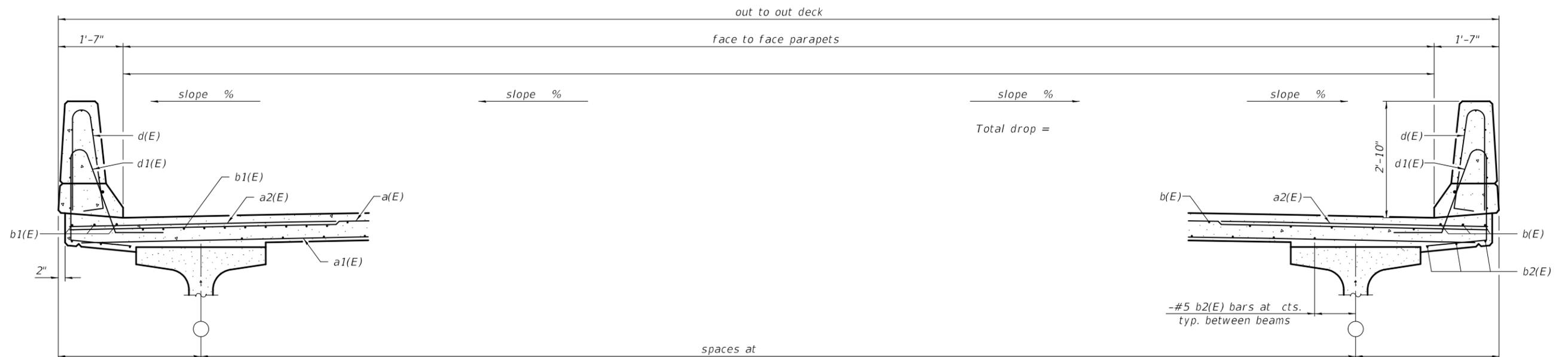
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PARTIAL PLAN

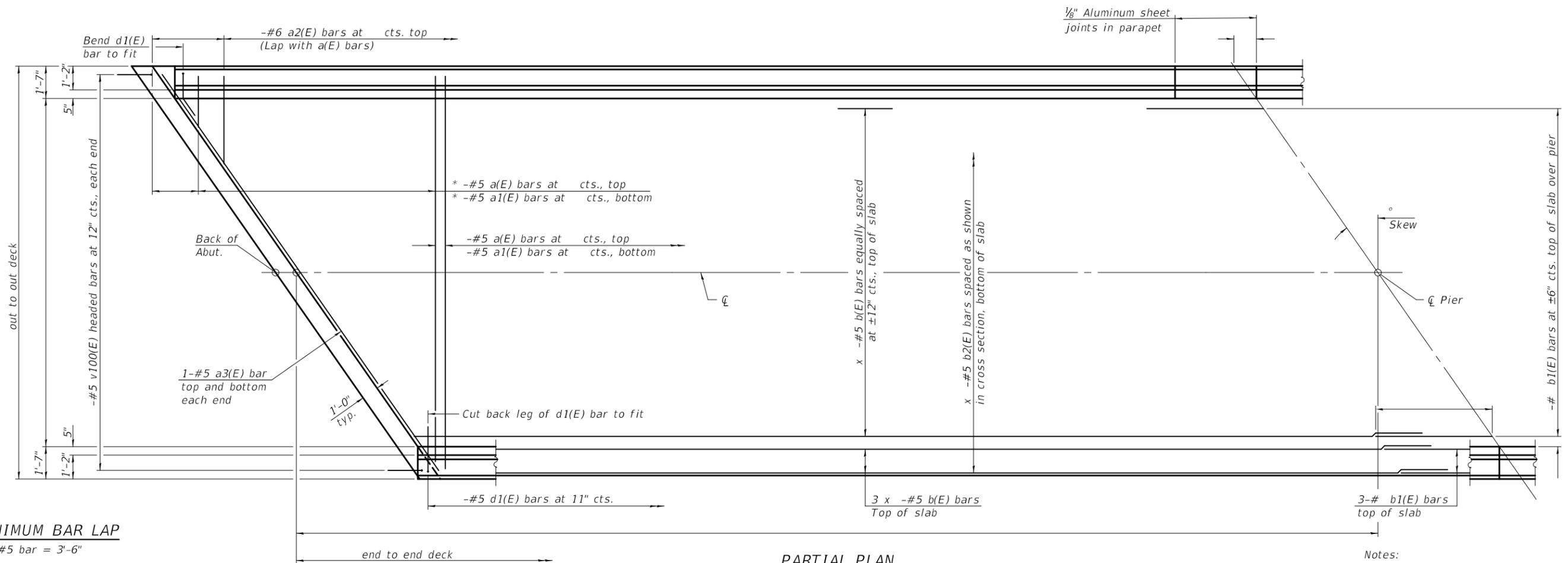
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CROSS SECTION
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SI-IL3672-2-L(≤30°) 2-17-2017

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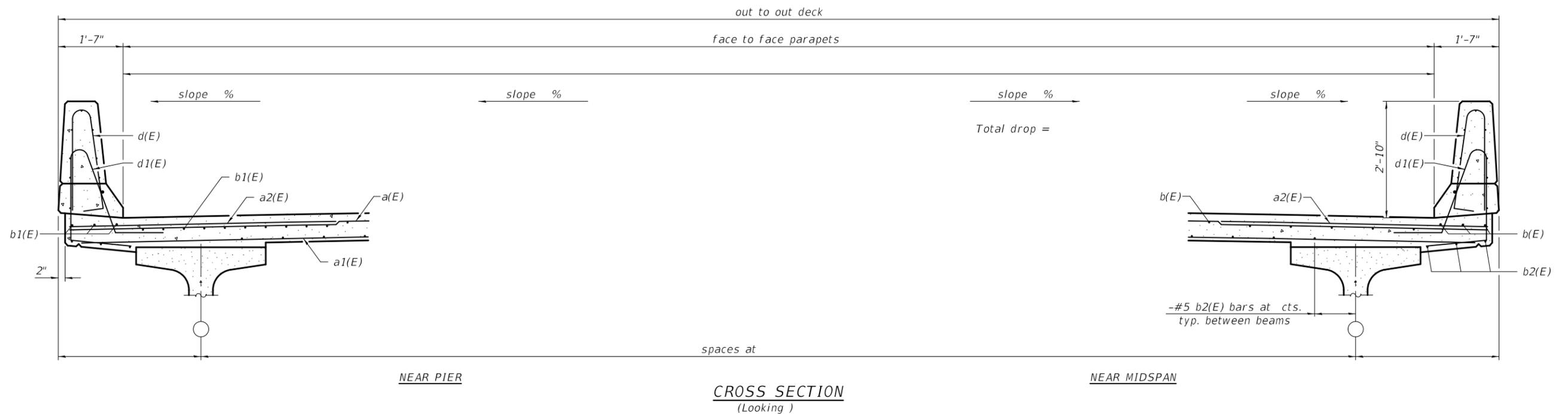
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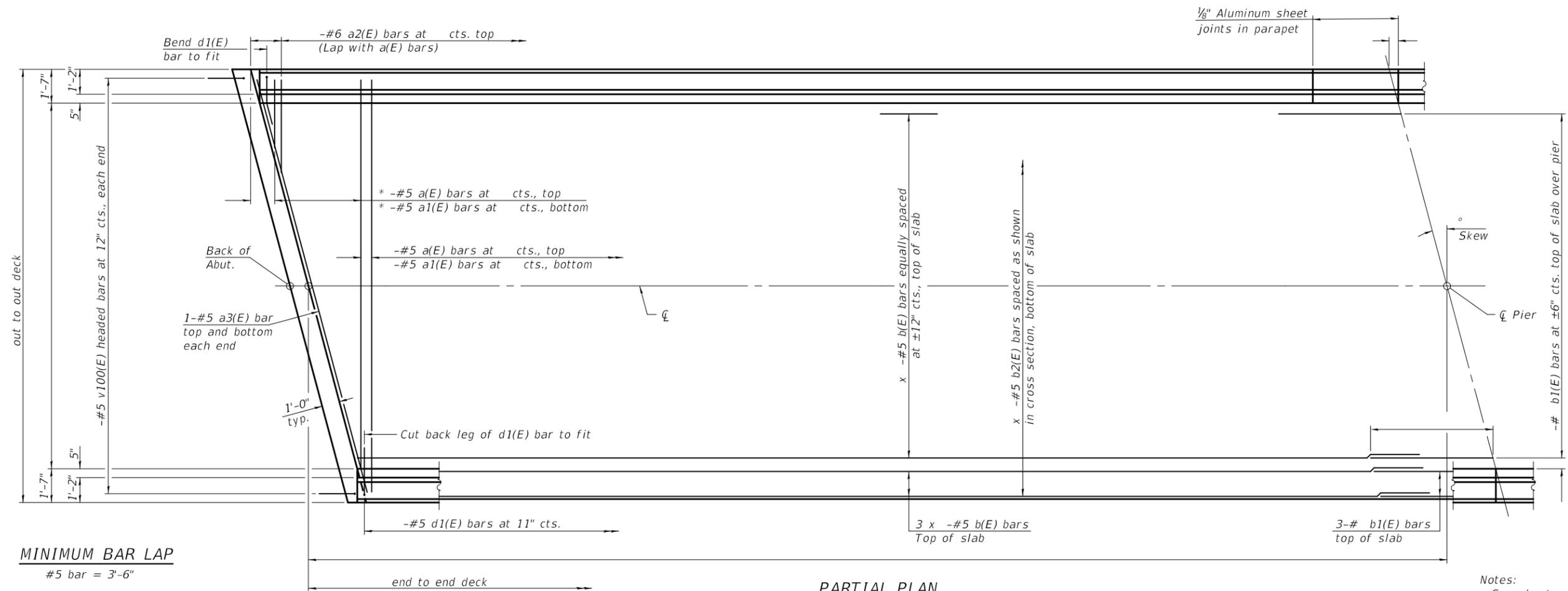
PARTIAL PLAN

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SI-IL3672-2-R(>30°) 2-17-2017

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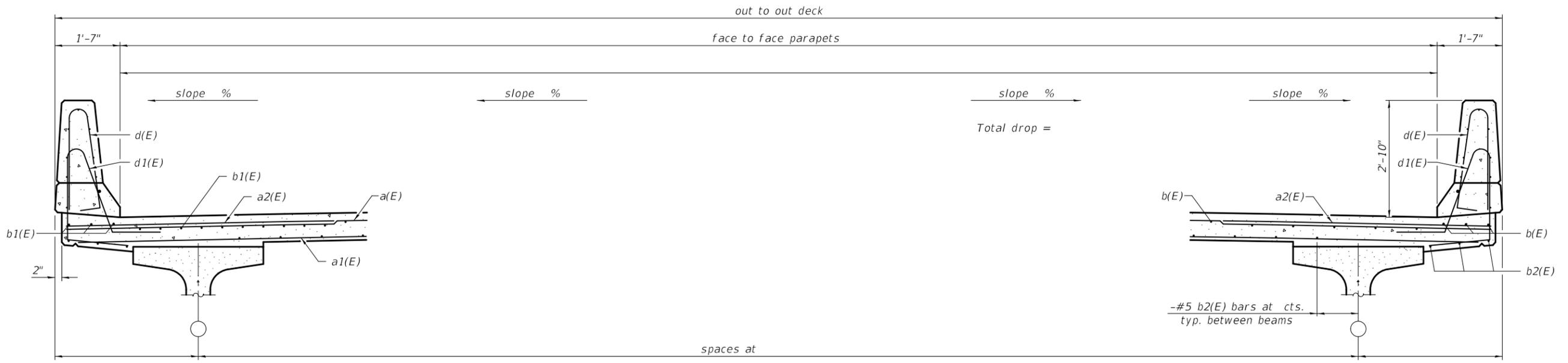
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CROSS SECTION

(Looking)

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

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