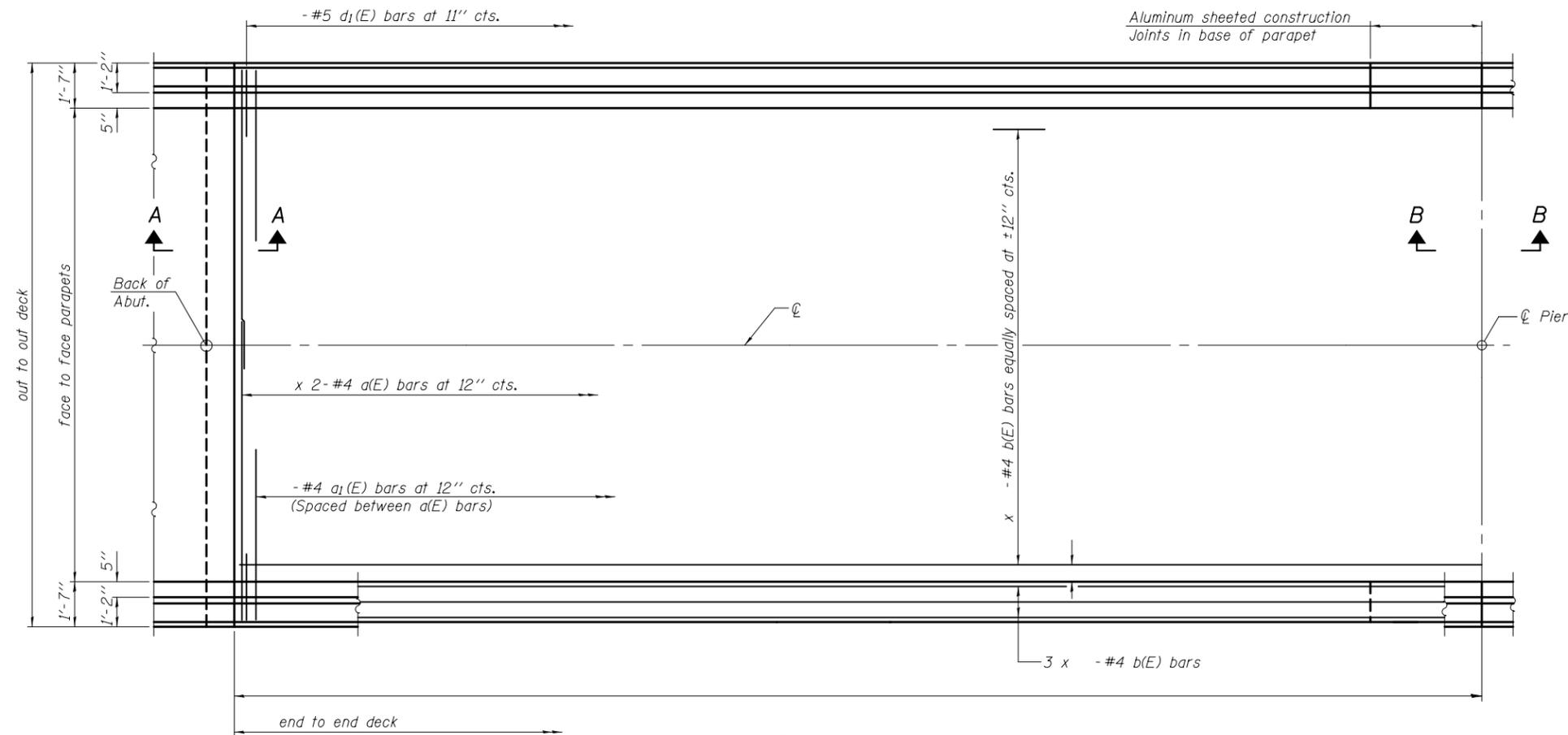
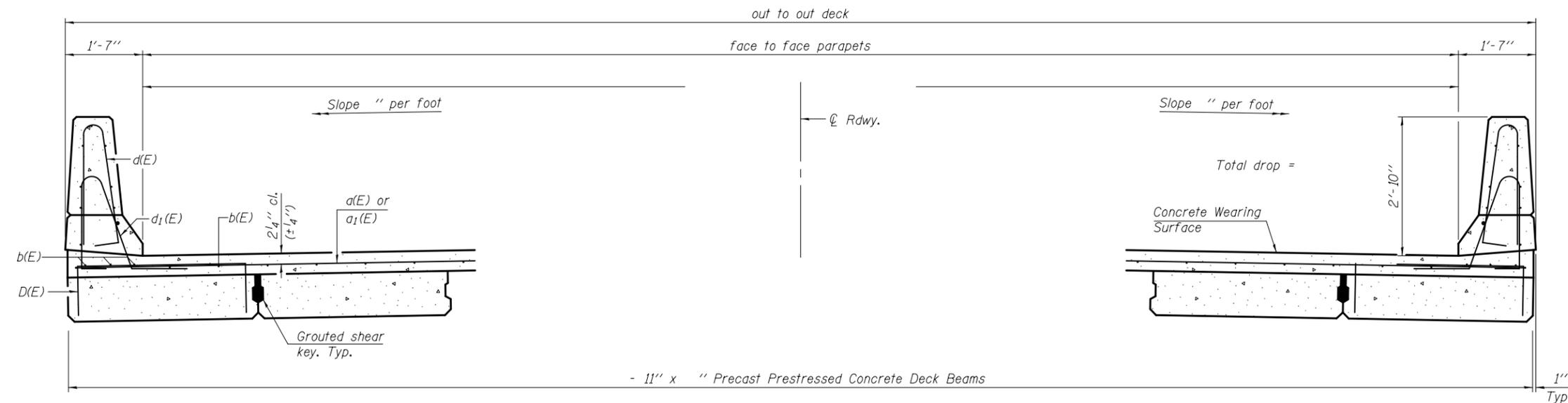


CELL / MODEL NAME	DESCRIPTION	DATE
PDS-11-M-F-0	11" bm super multi span F shape, no skew	6/8/2015
PDS-11-M-F-D	11" bm super multi span F shape details	6/8/2015
PDS-11-M-F-L	11" bm super multi span F shape, ahead left	6/8/2015
PDS-11-M-F-R	11" bm super multi span F shape, ahead right	6/8/2015
PDS-11-S-F-0	11" bm super simple span F shape, no skew	6/8/2015
PDS-11-S-F-D	11" bm super simple span F shape details	6/8/2015
PDS-11-S-F-L	11" bm super simple span F shape, ahead left	6/8/2015
PDS-11-S-F-R	11" bm super simple span F shape, ahead right	6/8/2015
PDS-HMA-11-M-T1-0	11" bm super multi span 6" curb & T-1 Rail, no skew	1/27/2012
PDS-HMA-11-M-T1-D	11" bm super multi span 6" curb & T-1 Rail details	6/8/2015
PDS-HMA-11-M-T1-L	11" bm super multi span 6" curb & T-1 Rail, ahead left	1/27/2012
PDS-HMA-11-M-T1-R	11" bm super multi span 6" curb & T-1 Rail, ahead right	6/8/2015
PDS-HMA-11-S-T1-0	11" bm super simple span 6" curb & T-1 Rail, no skew	7/1/2010
PDS-HMA-11-S-T1-D	11" bm super simple span 6" curb & T-1 Rail details	6/8/2015
PDS-HMA-11-S-T1-L	11" bm super simple span 6" curb & T-1 Rail, ahead left	7/1/2010
PDS-HMA-11-S-T1-R	11" bm super simple span 6" curb & T-1 Rail, ahead right	7/1/2010
PDS-HMA-M-R34-0	17" thru 42" bm super multi span R34 rail (HMA), no skew	7/1/2010
PDS-HMA-M-R34-L	17" thru 42" bm super multi span R34 rail (HMA), ahead left	7/1/2010
PDS-HMA-M-R34-R	17" thru 42" bm super multi span R34 rail (HMA), ahead right	7/1/2010
PDS-HMA-S-R34-0	17" thru 42" bm super simple span R34 rail (HMA), no skew	7/1/2010
PDS-HMA-S-R34-L	17" thru 42" bm super simple span R34 rail (HMA), ahead left	7/1/2010
PDS-HMA-S-R34-R	17" thru 42" bm super simple span R34 rail (HMA), ahead right	7/1/2010
PDS-M-F-0	17" thru 42" bm super multi span F shape, no skew	6/8/2015
PDS-M-F-D	17" thru 42" bm super multi span F shape details	6/8/2015
PDS-M-F-L	17" thru 42" bm super multi span F shape, ahead left	6/8/2015
PDS-M-F-R	17" thru 42" bm super multi span F shape, ahead right	6/8/2015
PDS-M-R34-0	17" thru 42" bm super multi span R34 rail, no skew	6/8/2015
PDS-M-R34-D	17" thru 42" bm super multi span R34 rail details	1/27/2012
PDS-M-R34-L	17" thru 42" bm super multi span R34 rail, ahead left	6/8/2015
PDS-M-R34-R	17" thru 42" bm super multi span R34 rail, ahead right	6/8/2015
PDS-S-F-0	17" thru 42" bm super simple span F shape, no skew	6/8/2015
PDS-S-F-D	17" thru 42" bm super simple span F shape details	6/8/2015
PDS-S-F-L	17" thru 42" bm super simple span F shape, ahead left	6/8/2015

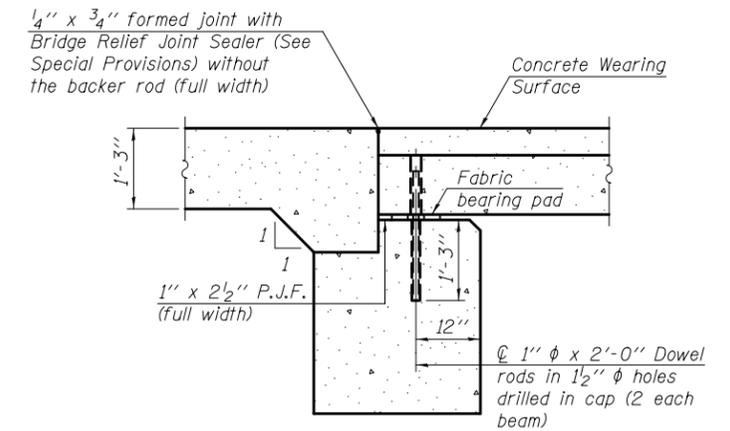
CELL / MODEL NAME	DESCRIPTION	DATE
PDS-S-F-R	17" thru 42" bm super simple span F shape, ahead right	6/8/2015
PDS-S-R34-0	17" thru 42" bm super simple span R34 rail, no skew	6/8/2015
PDS-S-R34-D	17" thru 42" bm super simple span R34 rail details	1/27/2012
PDS-S-R34-L	17" thru 42" bm super simple span R34 rail, ahead left	6/8/2015
PDS-S-R34-R	17" thru 42" bm super simple span R34 rail, ahead right	6/8/2015



PLAN

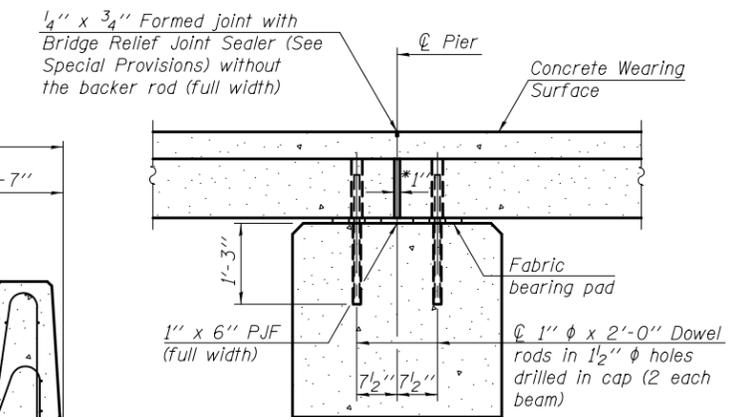


CROSS SECTION
(Looking)



SECTION A-A

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.



SECTION B-B

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
#4 bar = 2'-2"

PDS-11-M-F-0

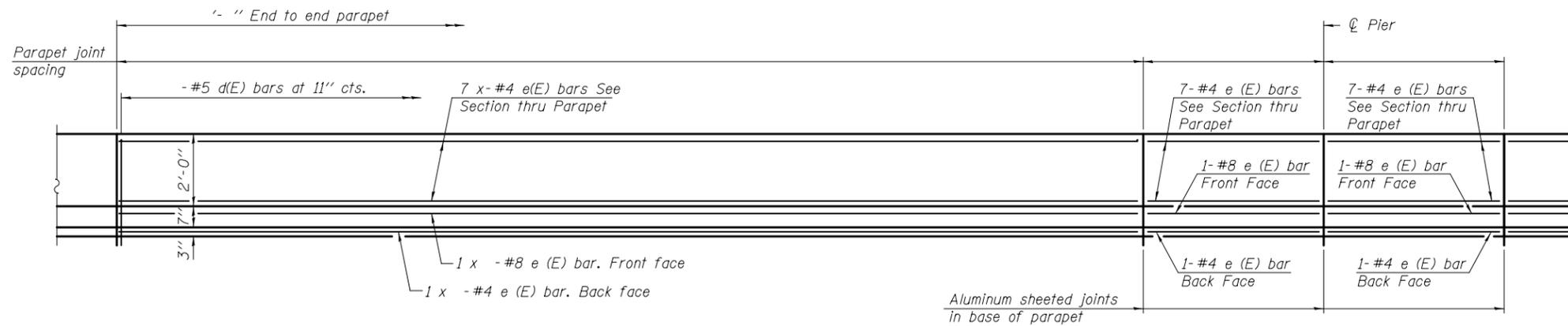
6-8-15

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

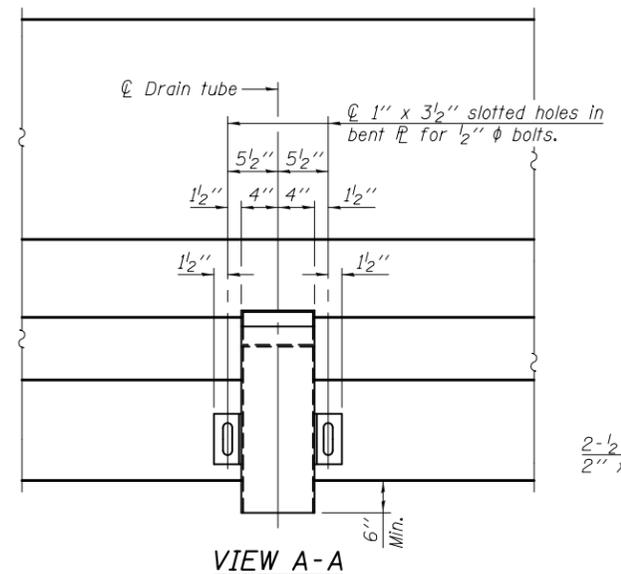
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

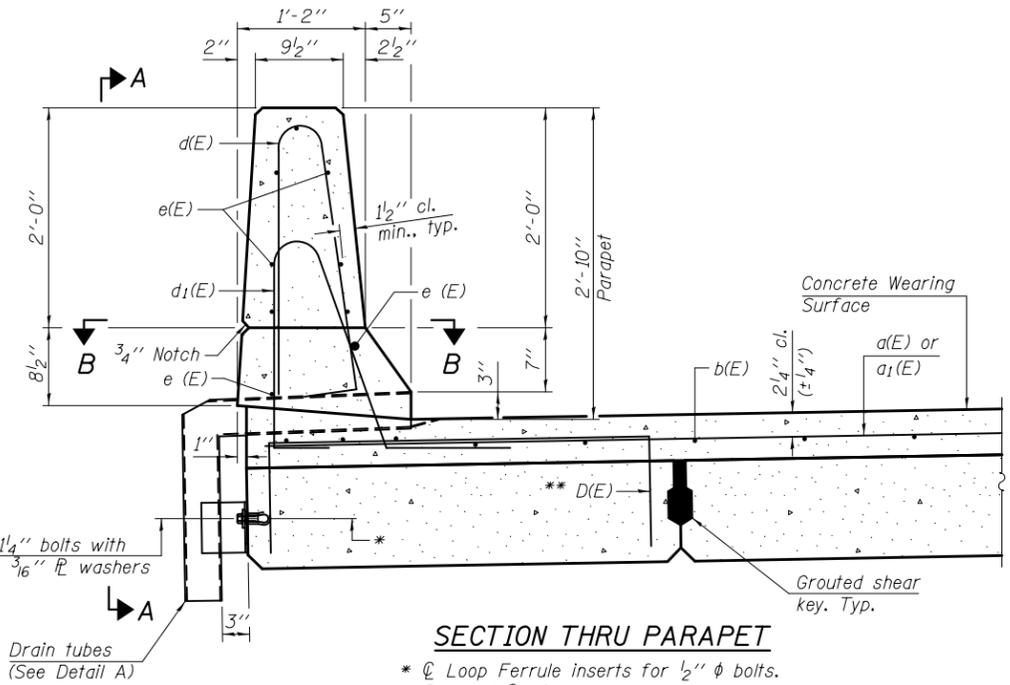
MINIMUM BAR LAP

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



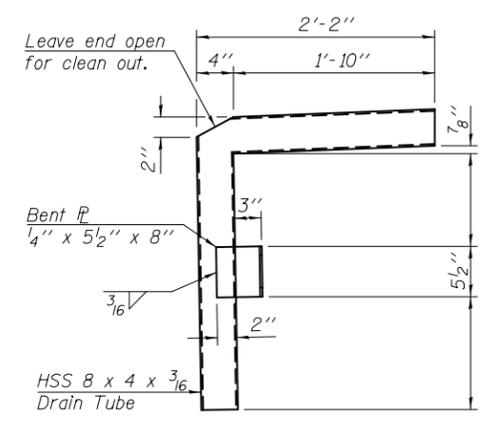
VIEW A-A

Note:
 All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
 The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

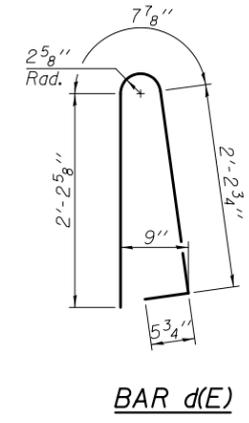


SECTION THRU PARAPET

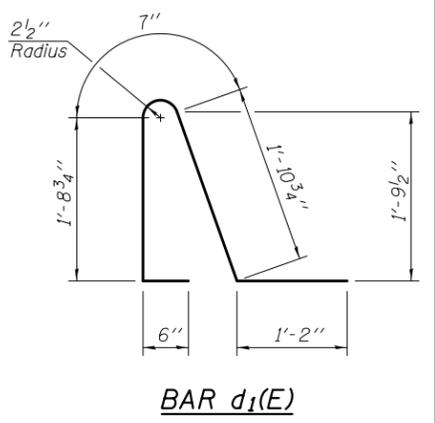
* C Loop Ferrule inserts for 1/2" phi bolts. Place at C of beam depth.
 ** Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.



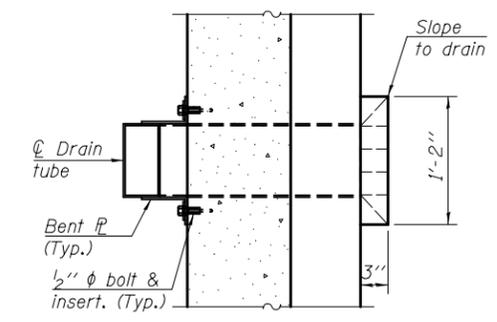
DETAIL A



BAR d(E)



BAR d1(E)

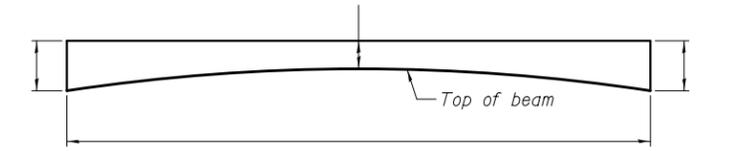


SECTION B-B

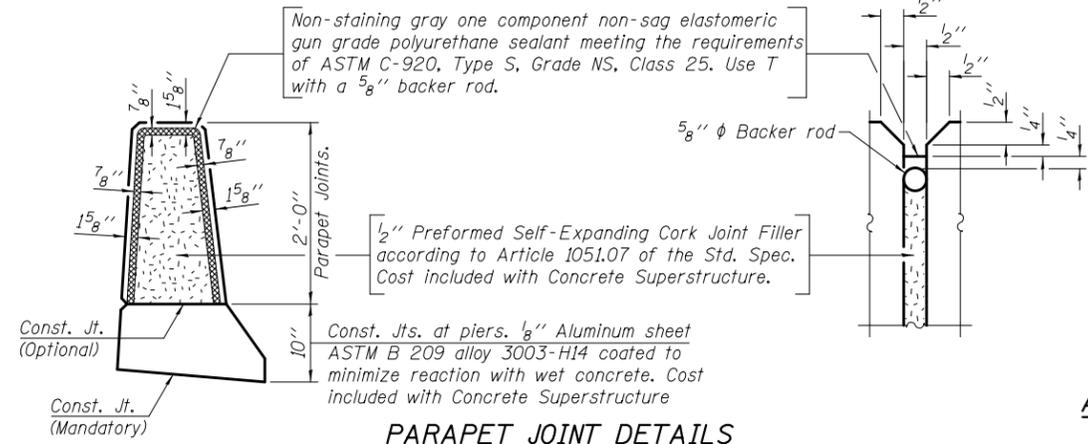
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)		#4		—
a1(E)		#4	6'-0"	—
b(E)		#4		—
d(E)		#5	5'-7"	⏏
d1(E)		#5	5'-11"	⏏
e(E)		#4		—
e(E)		#8		—
e(E)		#4		—
e(E)		#8		—
e(E)		#4		—
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Superstructure			Cu. Yd.	
Concrete Wearing Surface, 5"			Sq. Yd.	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.



ANTICIPATED CONCRETE WEARING SURFACE PROFILE
 (For information only)



PARAPET JOINT DETAILS

PDS-11-M-F-D

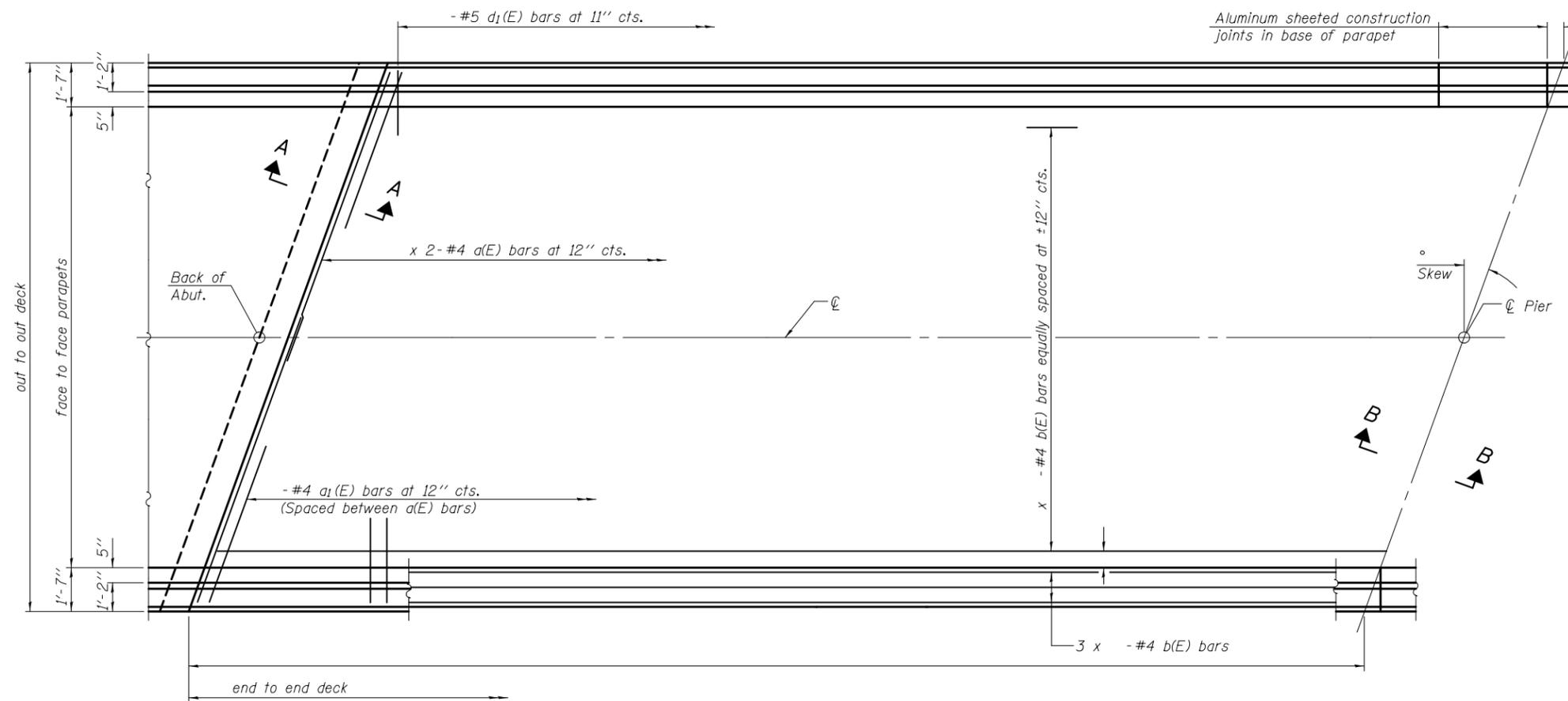
6-8-15

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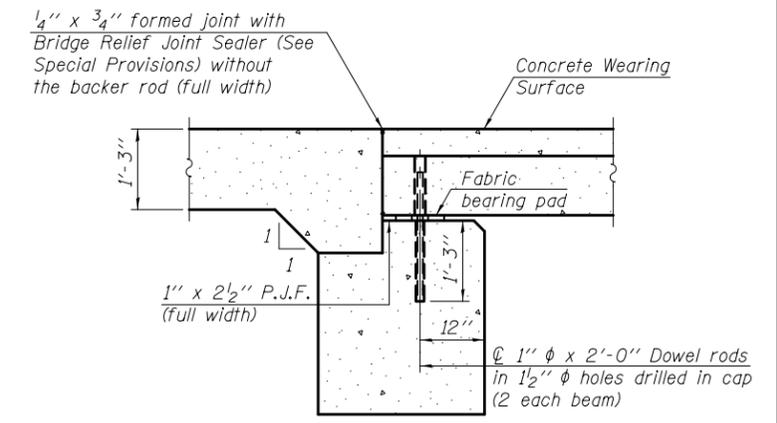
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
 STRUCTURE NO.**

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



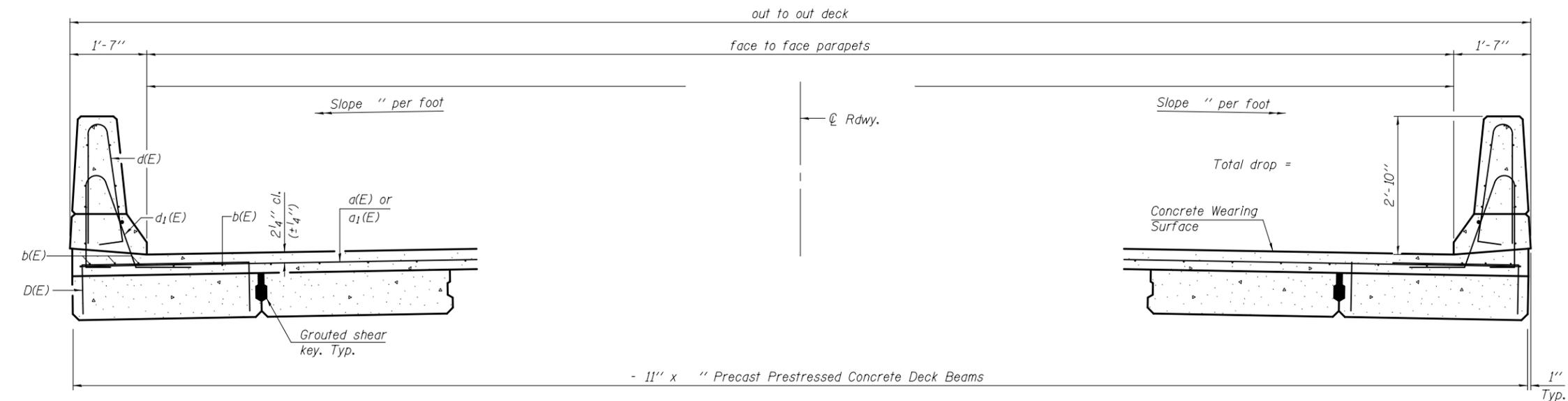
PLAN



SECTION A-A

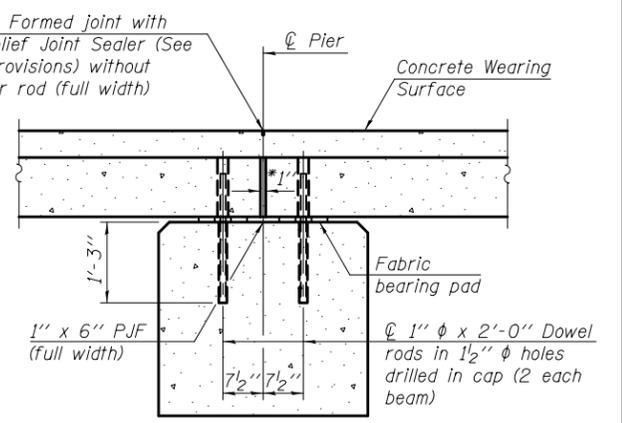
(Dimensions are at Rt. L's)

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



CROSS SECTION

(Looking)



SECTION B-B

(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP

#4 bar = 2'-2"

PDS-11-M-F-L

6-8-15

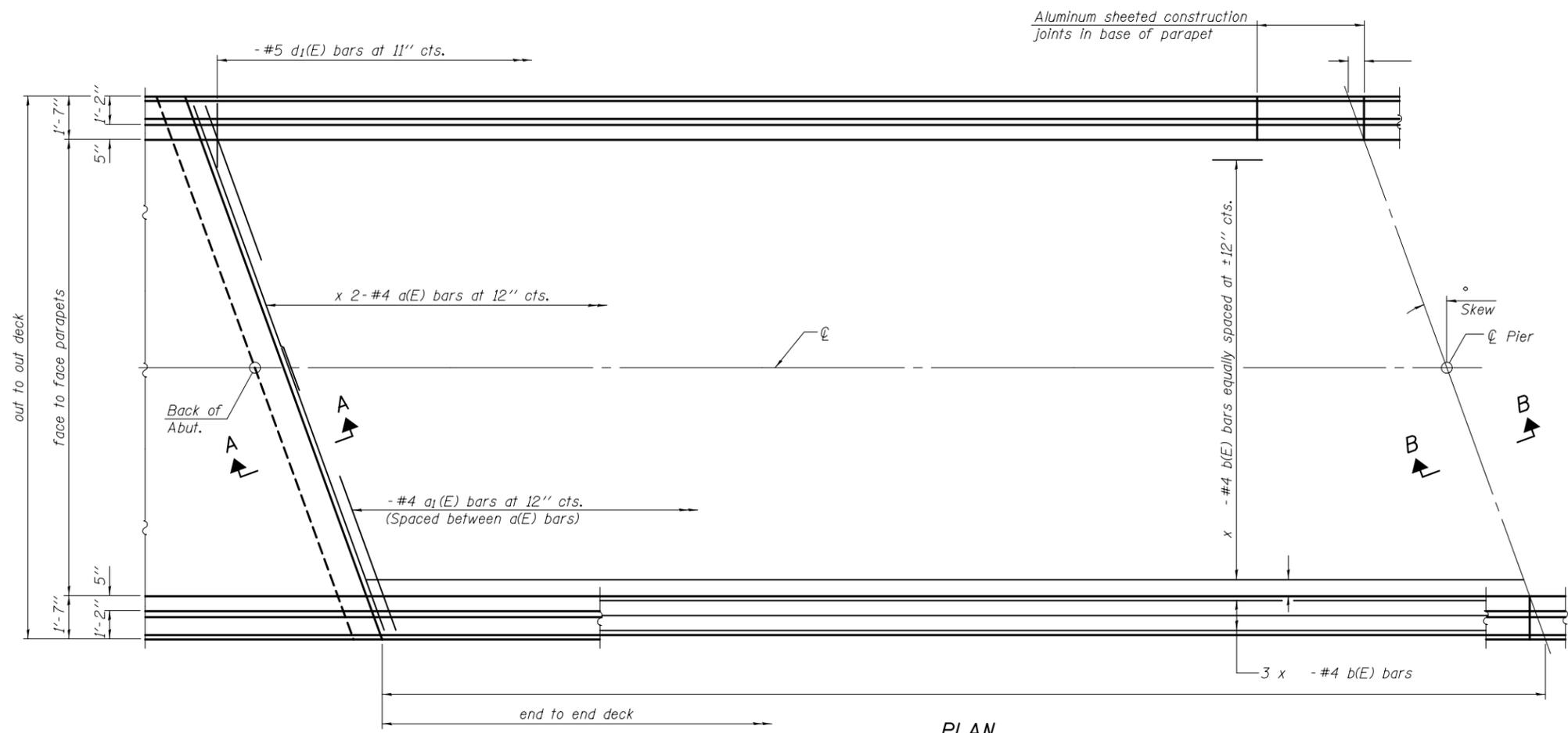
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

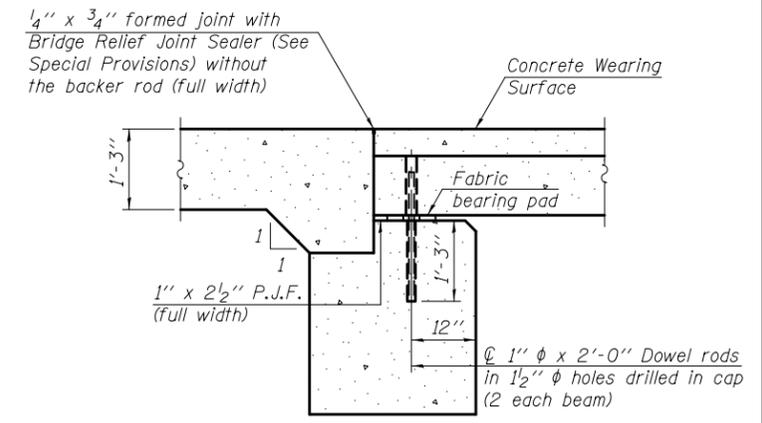
**SUPERSTRUCTURE
 STRUCTURE NO.**

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

ILLINOIS FED. AID PROJECT

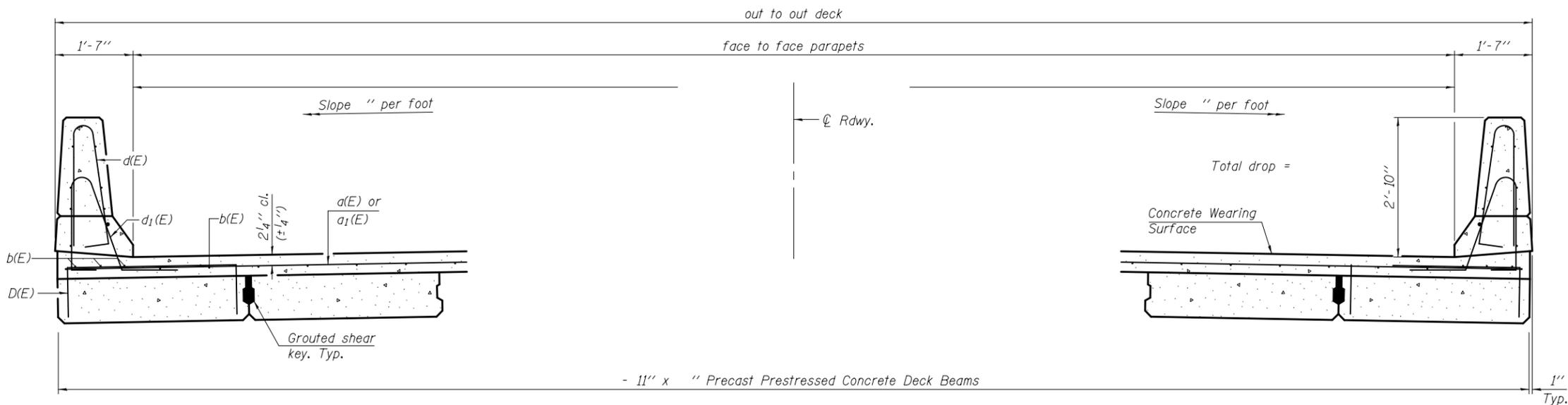


PLAN

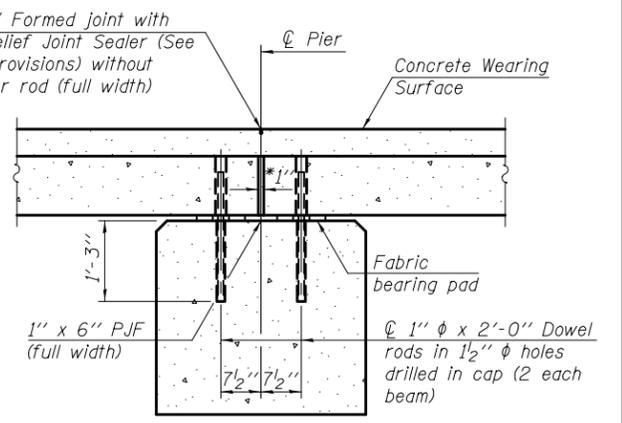


SECTION A-A
(Dimensions are at Rt. L's)

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)



SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Spacing of a(E) and a1(E) bars shall be measured along the \mathcal{C} of structure.

MINIMUM BAR LAP
#4 bar = 2'-2"

PDS-11-M-F-R 6-8-15

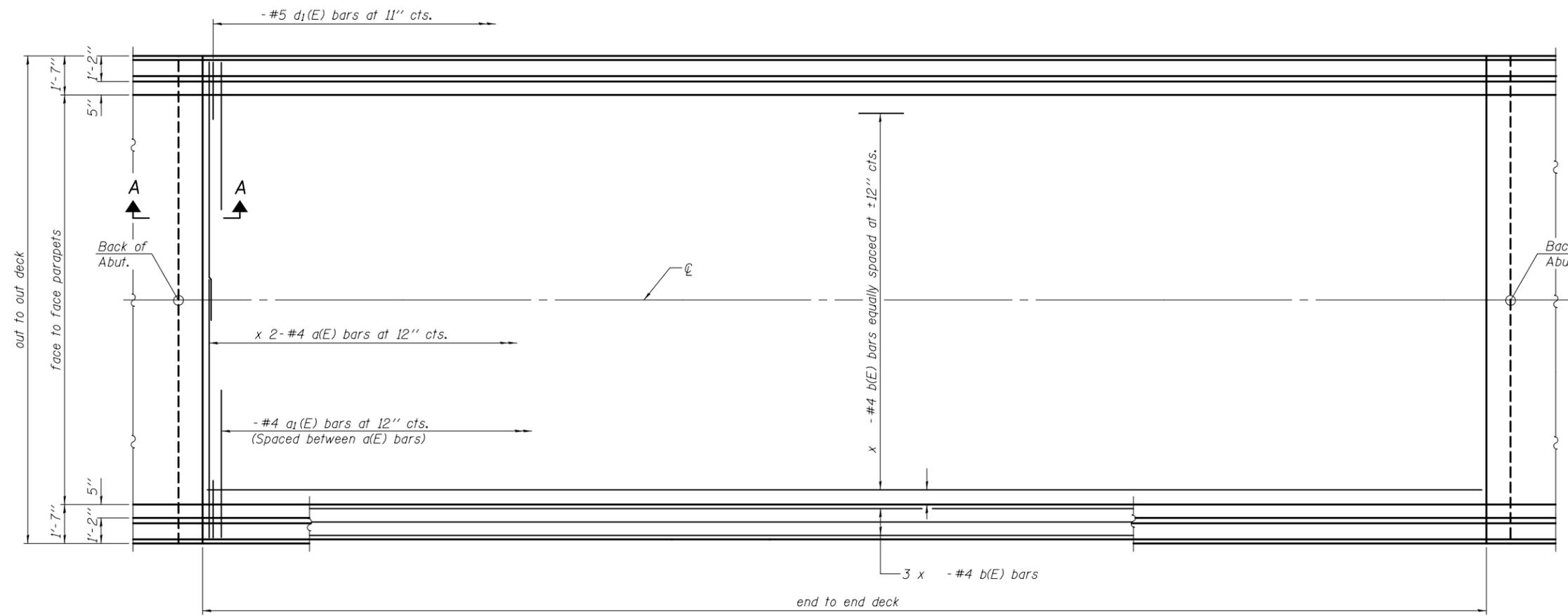
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

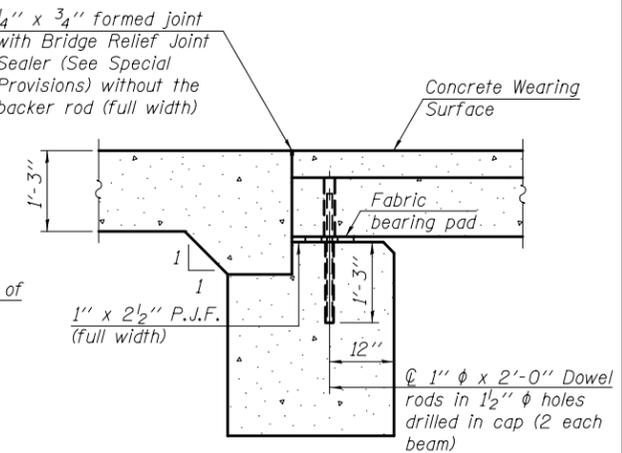
SUPERSTRUCTURE
STRUCTURE NO.

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

ILLINOIS FED. AID PROJECT

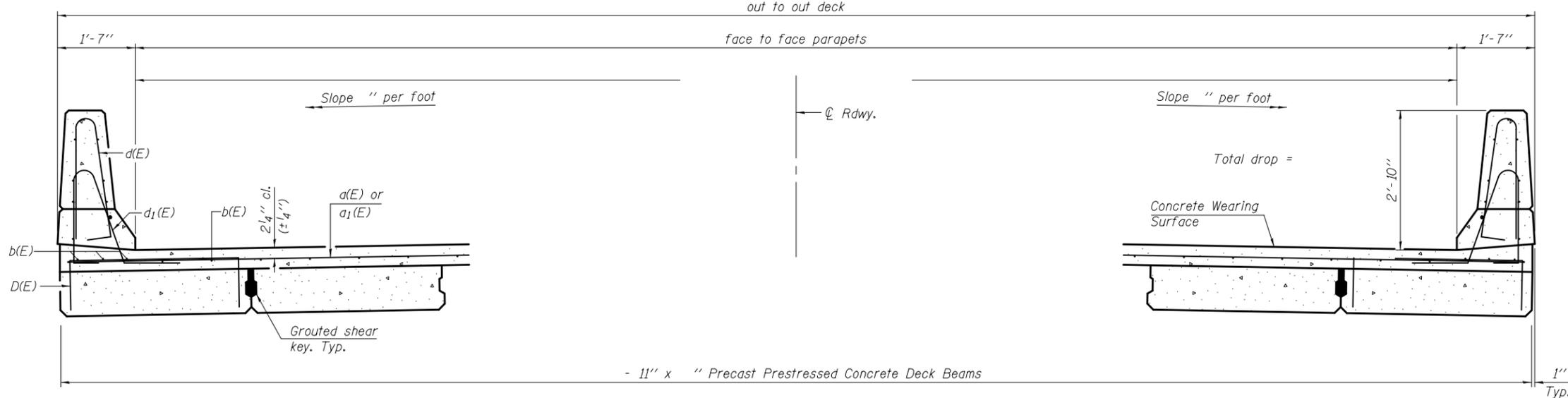


PLAN



SECTION A-A

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



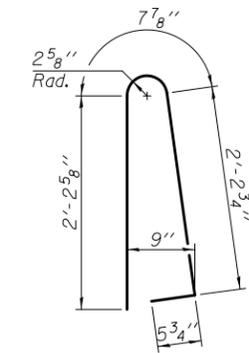
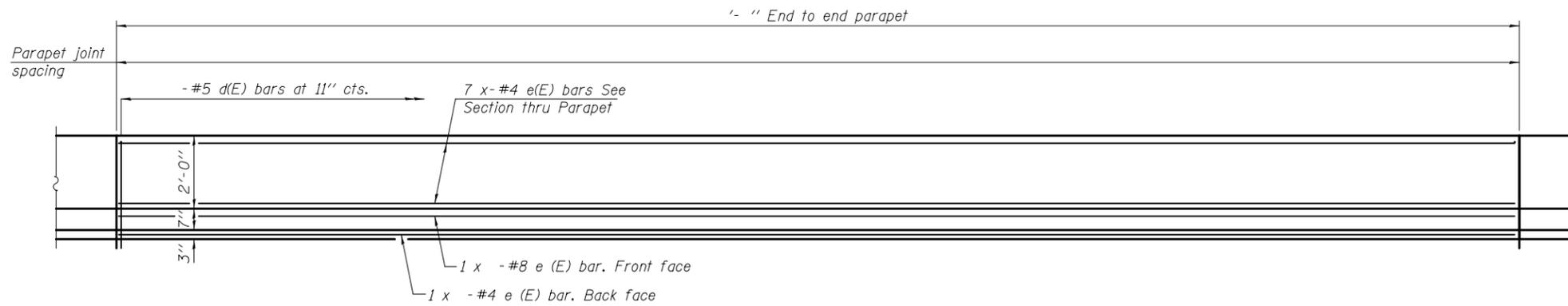
CROSS SECTION
(Looking)

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-11-S-F-0 6-8-15

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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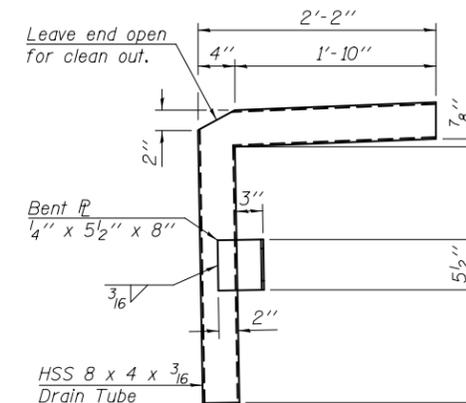


BAR d(E)

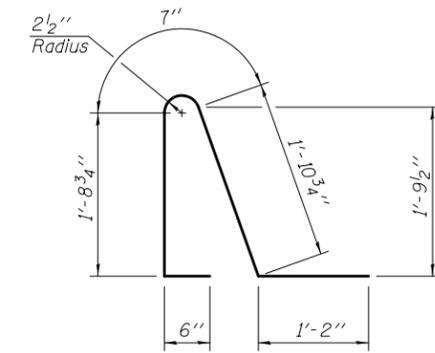
INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

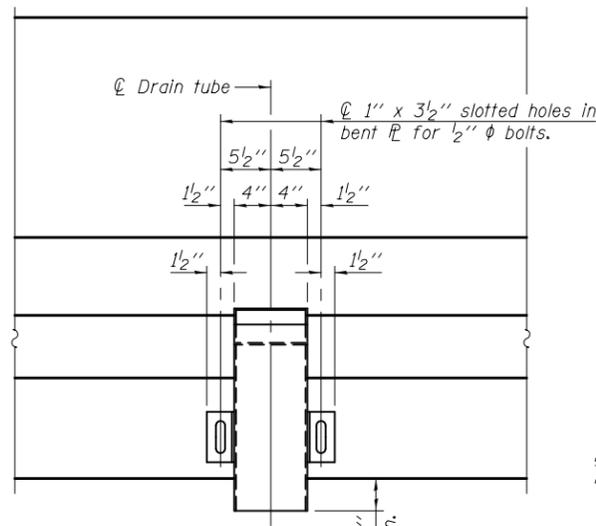
(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"



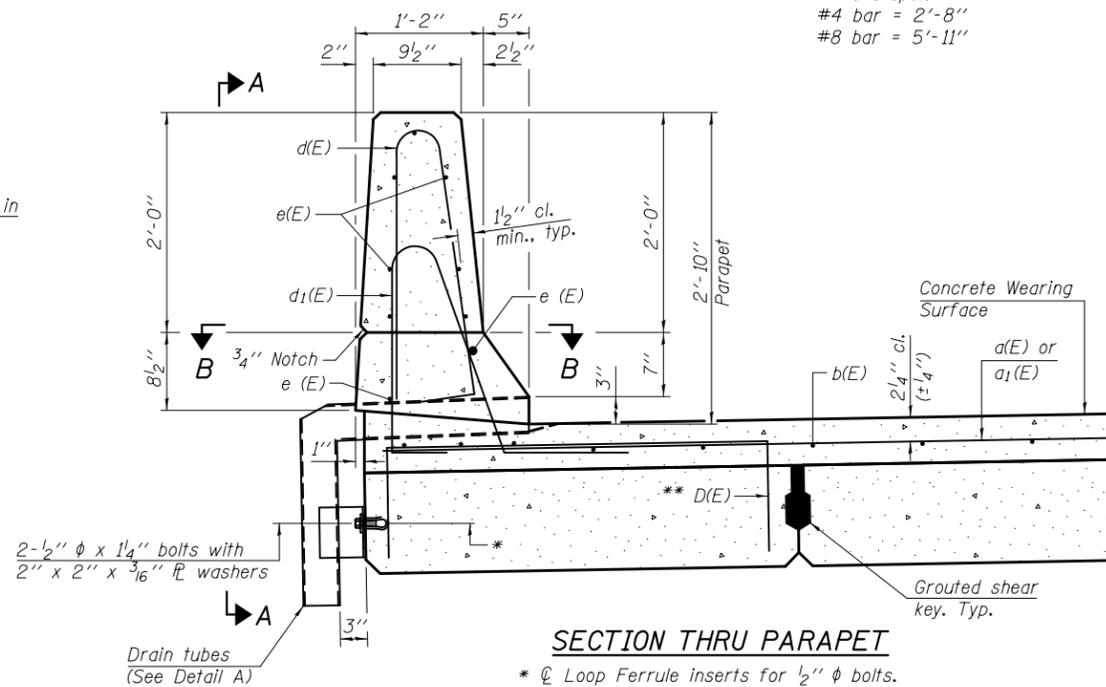
DETAIL A



BAR d1(E)



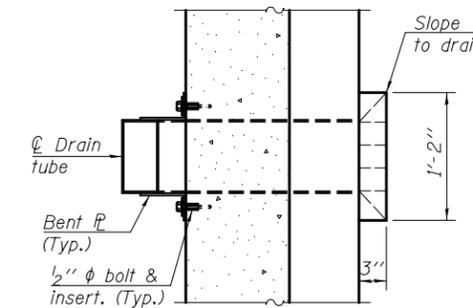
VIEW A-A



SECTION THRU PARAPET

* \emptyset Loop Ferrule inserts for 1/2" ϕ bolts. Place at \emptyset of beam depth.

** Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.



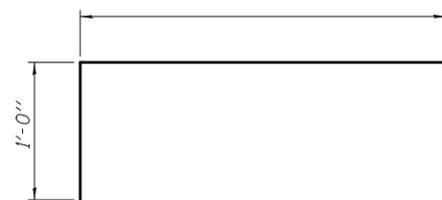
SECTION B-B

Note:
 All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
 The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

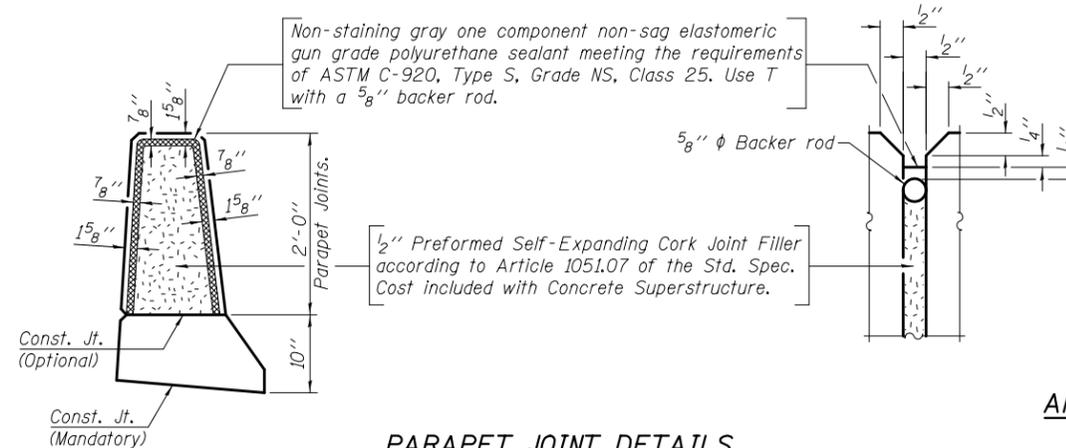
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#4		—
a1(E)		#4	6'-0"	—
b(E)		#4		—
d(E)		#5	5'-7"	U
d1(E)		#5	5'-11"	U
e(E)		#4		—
e (E)		#8		—
e (E)		#4		—
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Superstructure			Cu. Yd.	
Concrete Wearing Surface, 5"			Sq. Yd.	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.



BAR D(E)



PARAPET JOINT DETAILS

ANTICIPATED CONCRETE WEARING SURFACE PROFILE
 (For information only)

PDS-11-S-F-D

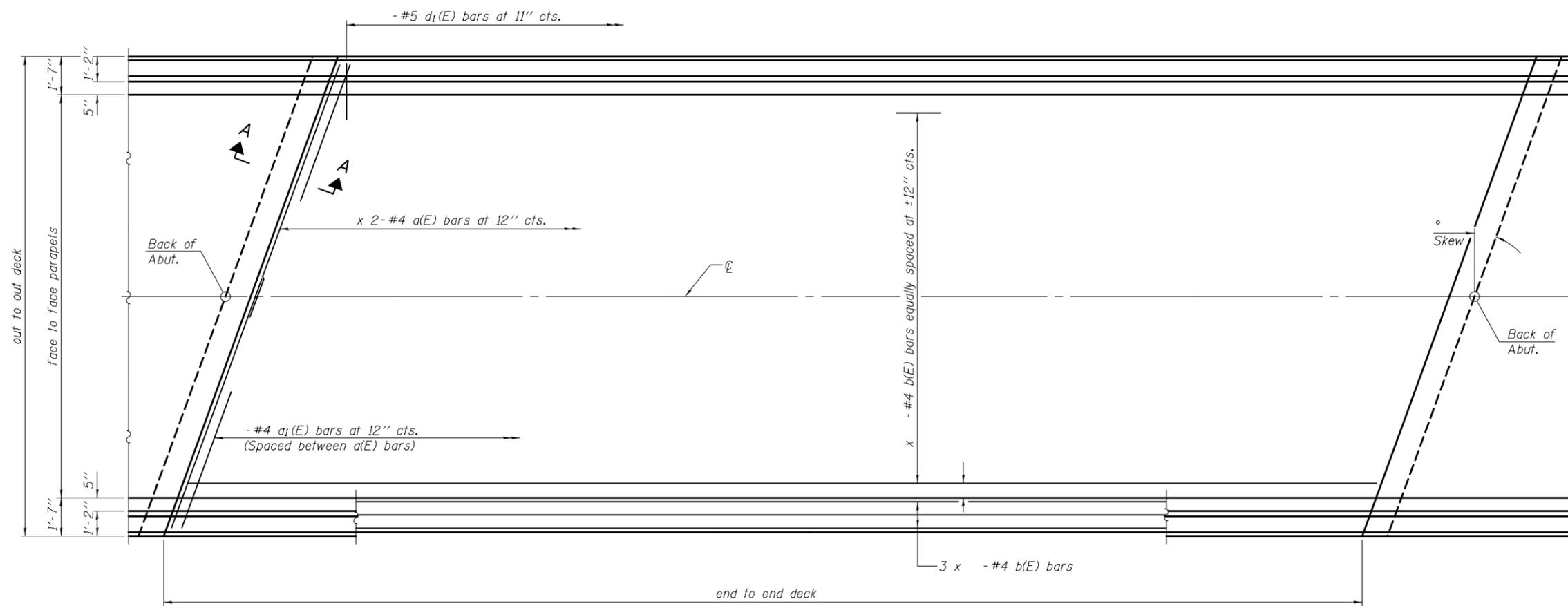
6-8-15

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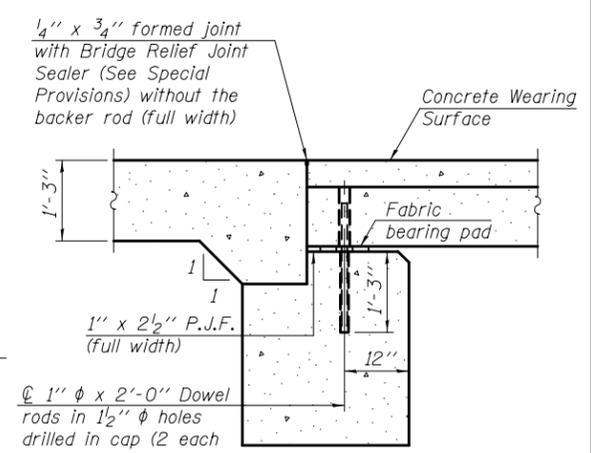
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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

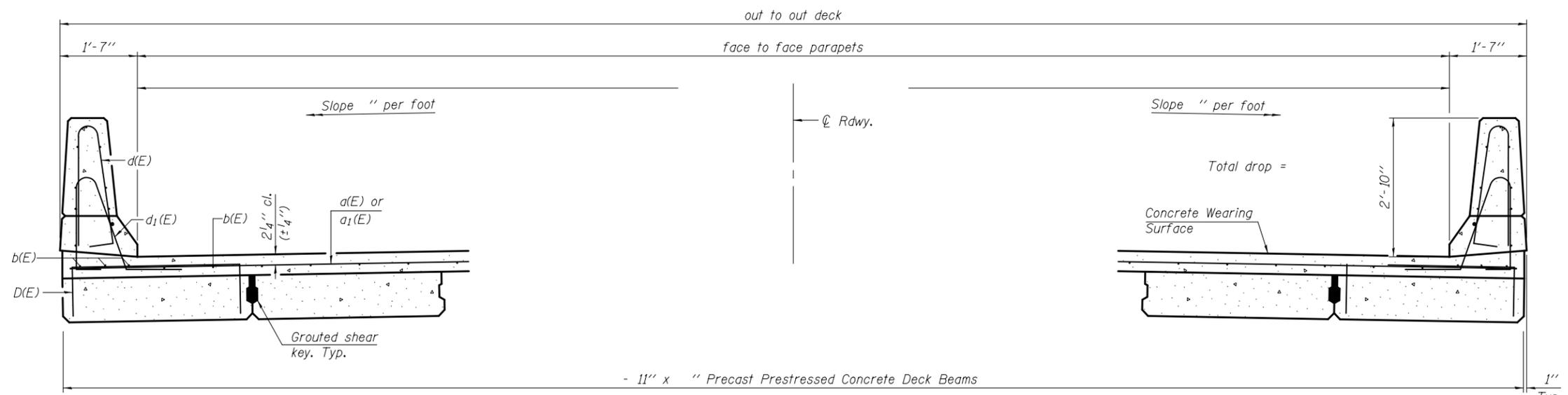


PLAN



SECTION A-A
(Dimensions are at Rt. L's)

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.



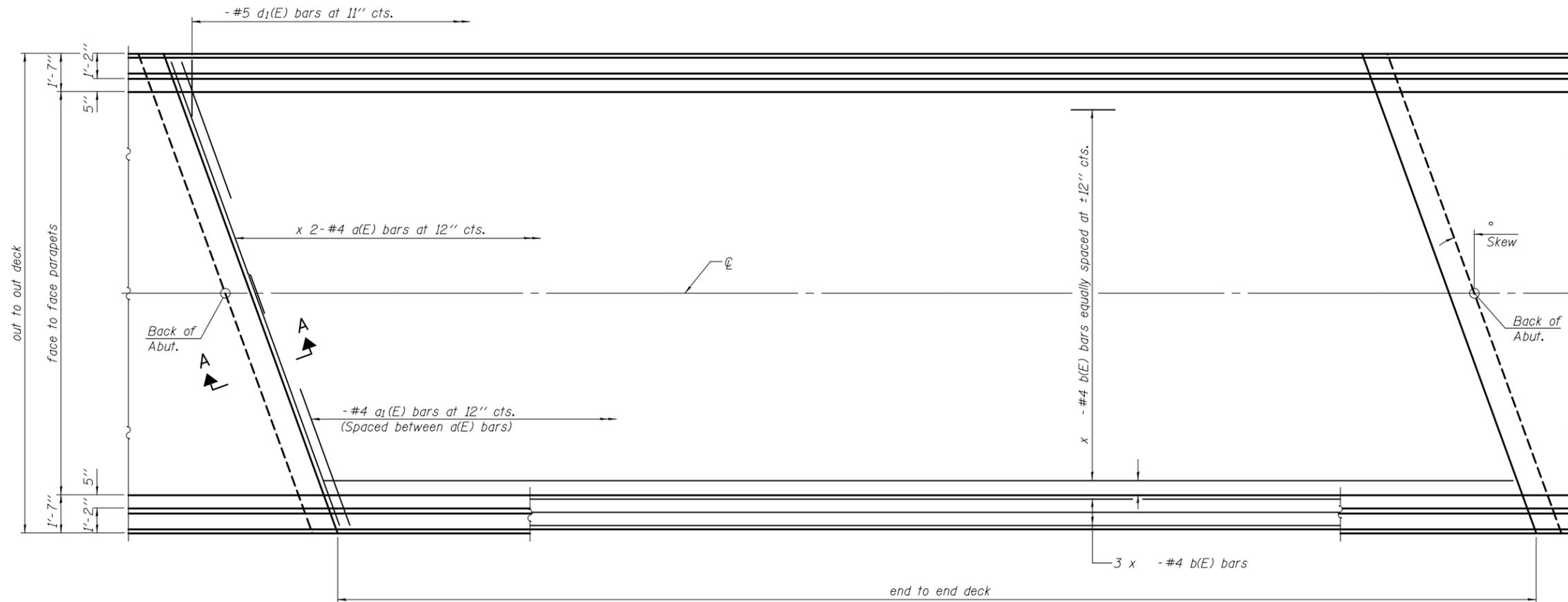
CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

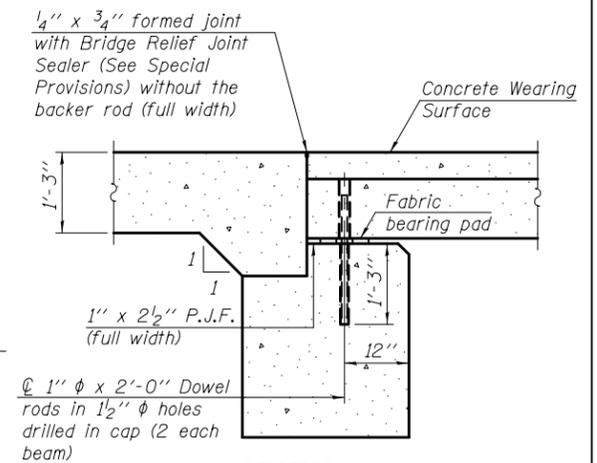
MINIMUM BAR LAP
#4 bar = 2'-2"

PDS-11-S-F-L 6-8-15

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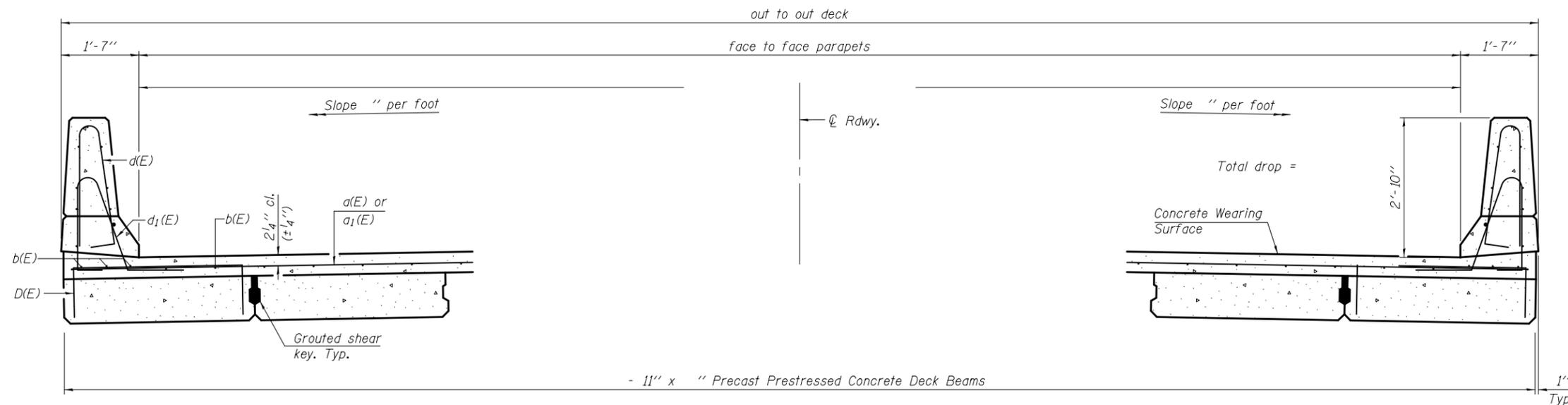


PLAN



SECTION A-A
(Dimensions are at Rt. L's)

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP
#4 bar = 2'-2"

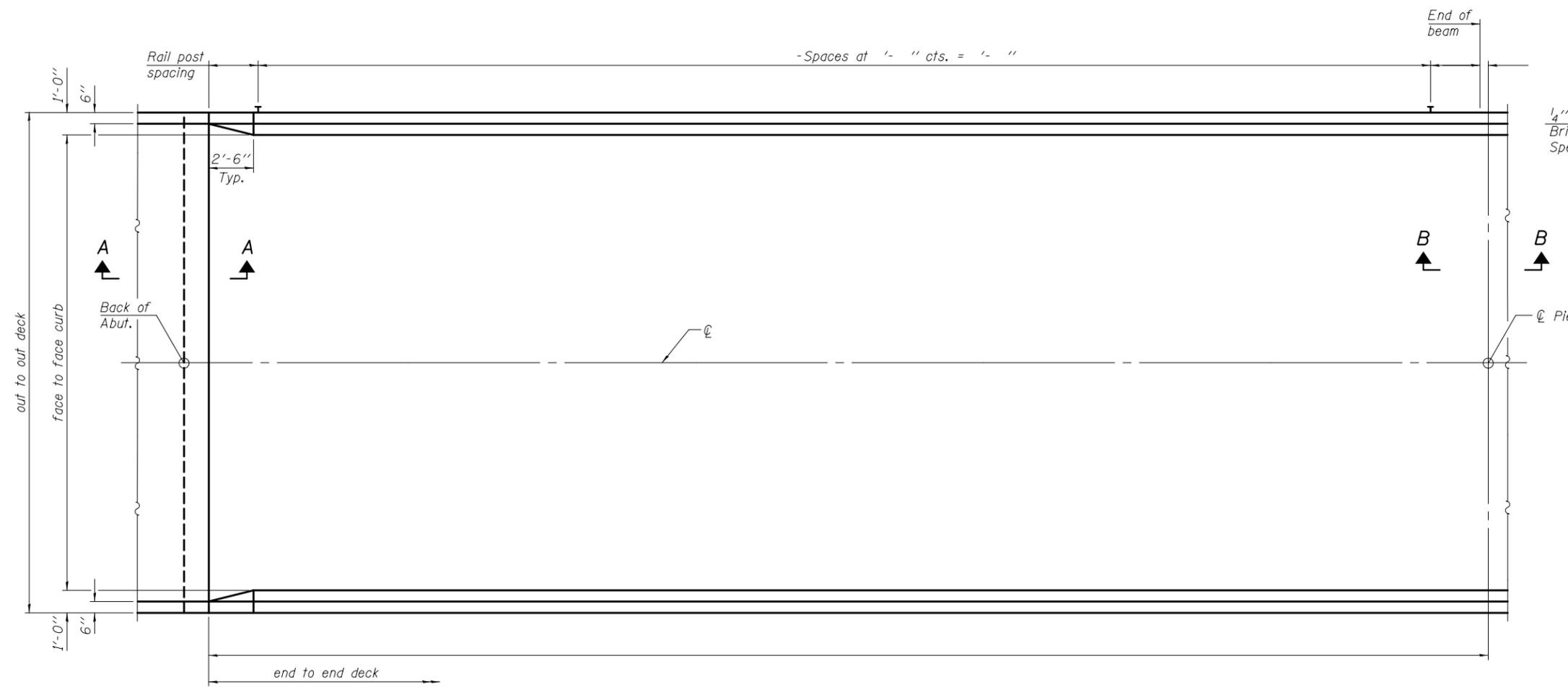
PDS-11-S-F-R 6-8-15

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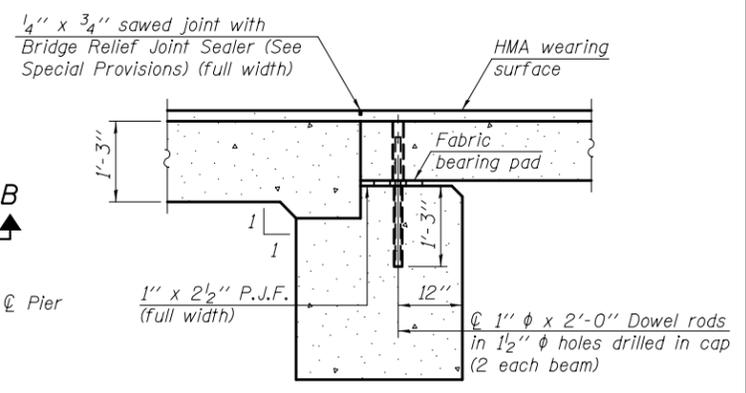
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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

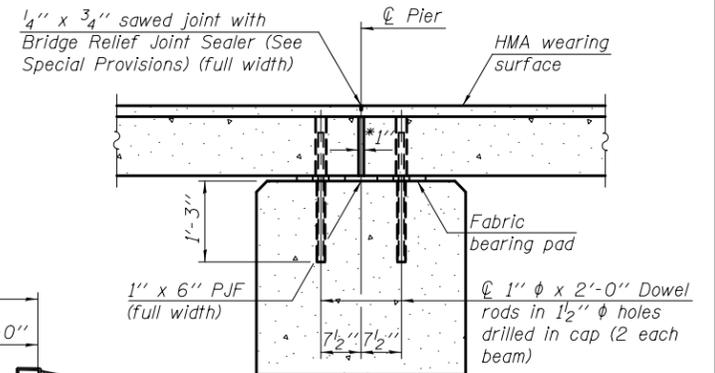


PLAN



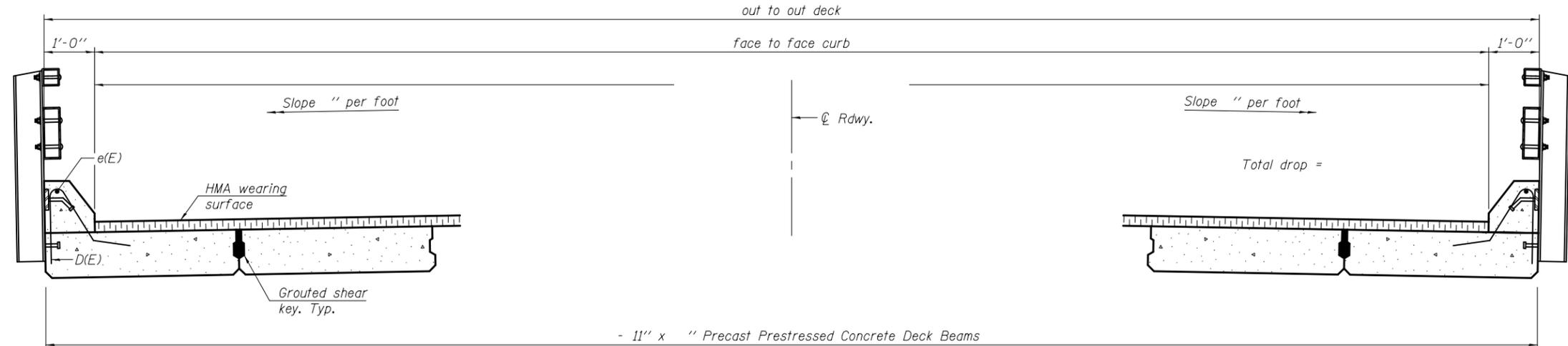
SECTION A-A

See sheet of for fabric bearing pad details.



SECTION B-B

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.



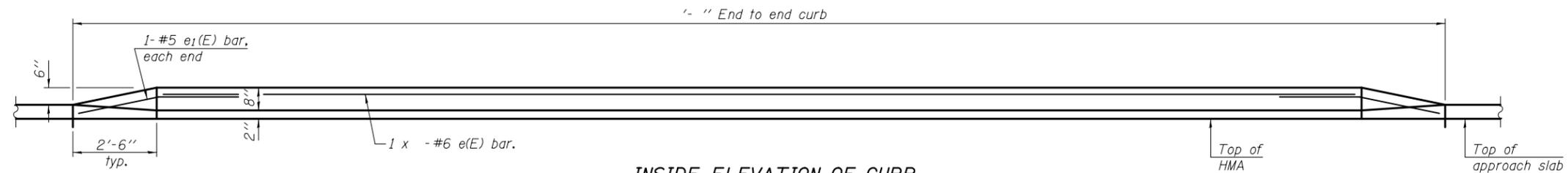
CROSS SECTION

(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.

PDS-HMA-11-M-T1-0 1-27-12

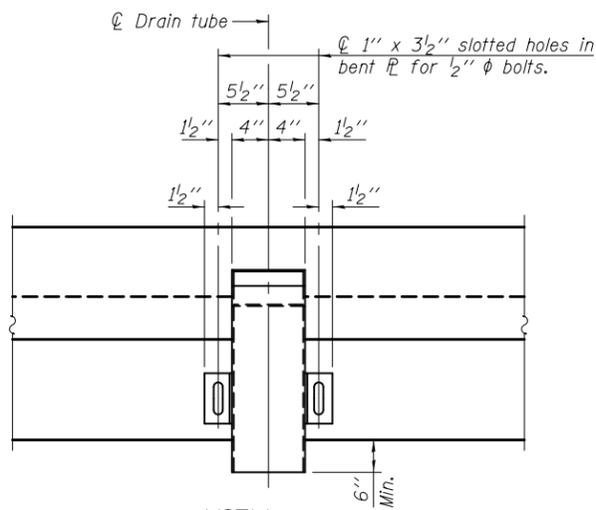
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		CHECKED -	REVISD -			CONTRACT NO.					
		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISD -								



INSIDE ELEVATION OF CURB

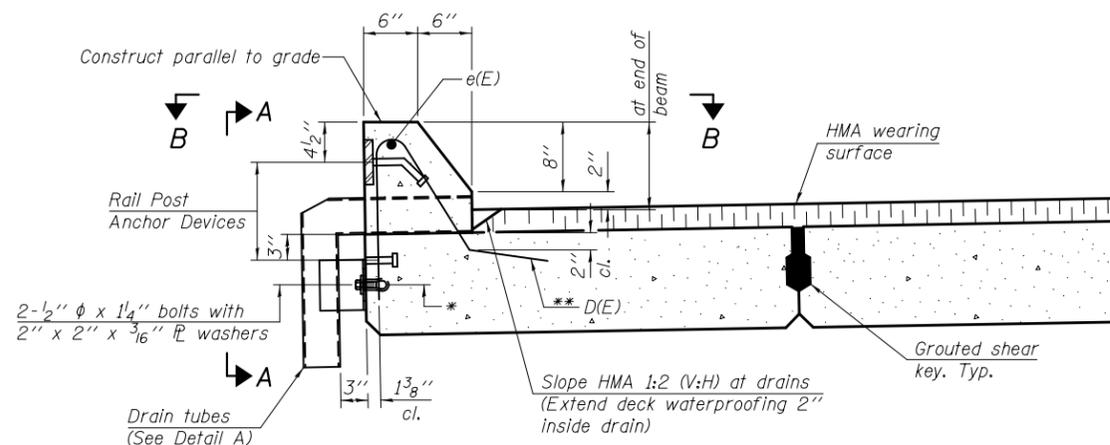
MINIMUM BAR LAP

#6 bar 3'-7"



VIEW A-A

Note:
All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

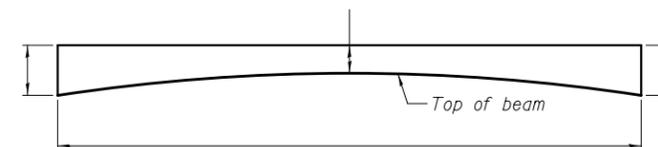


SECTION THRU CURB

Curbs shall be poured in the field.

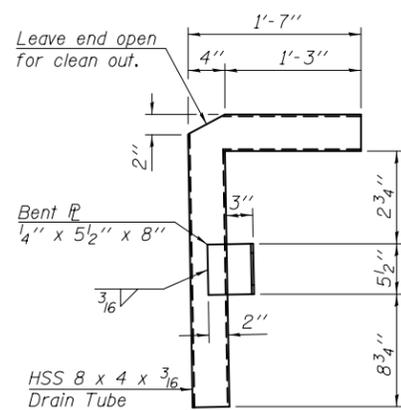
* Loop Ferrule inserts for 1/2" φ bolts. Place at center of beam depth.

** Place #5 D(E) bars at 12" cts. in fascia beam for railing curb. Omit D(E) bars in curb transition. D(E) bar included in cost of beam.

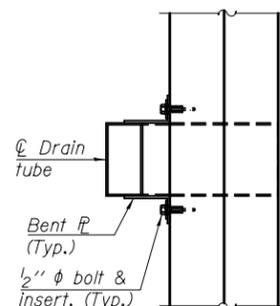


ANTICIPATED HMA WEARING SURFACE PROFILE

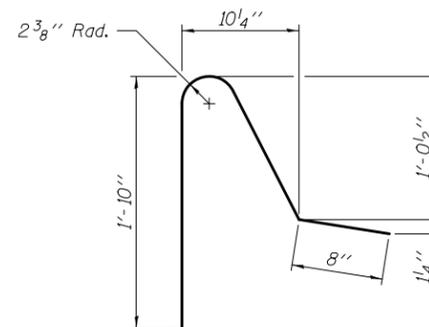
(For information only)



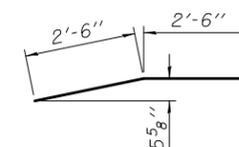
DETAIL A



VIEW B-B



BAR D(E)



BAR e1(E)

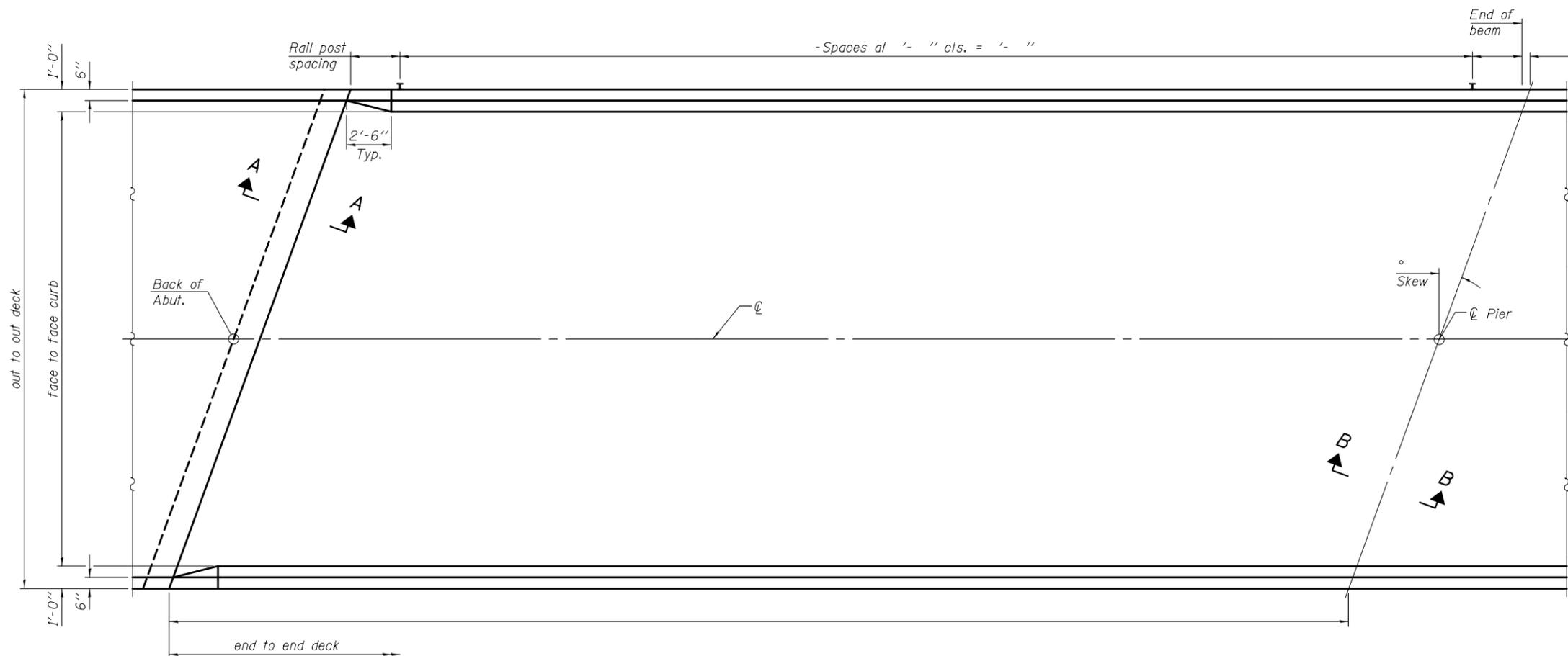
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e(E)		#6		—
e1(E)	4	#5	5'-0"	—
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Superstructure			Cu. Yd.	
HMA Wearing Surface			Tons	

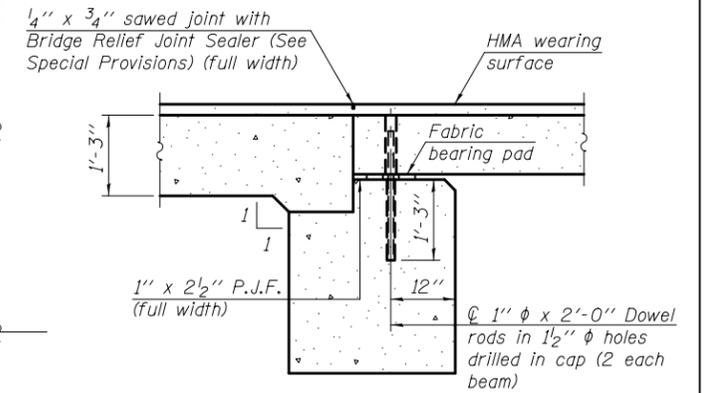
Bars indicated thus 1 x -#6 etc. indicates 1 line of bars with lengths per line.

PDS-HMA-11-M-T1-D 6-8-15

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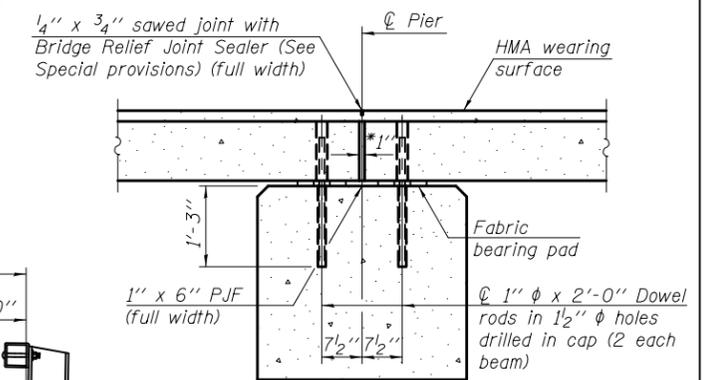


PLAN



SECTION A-A

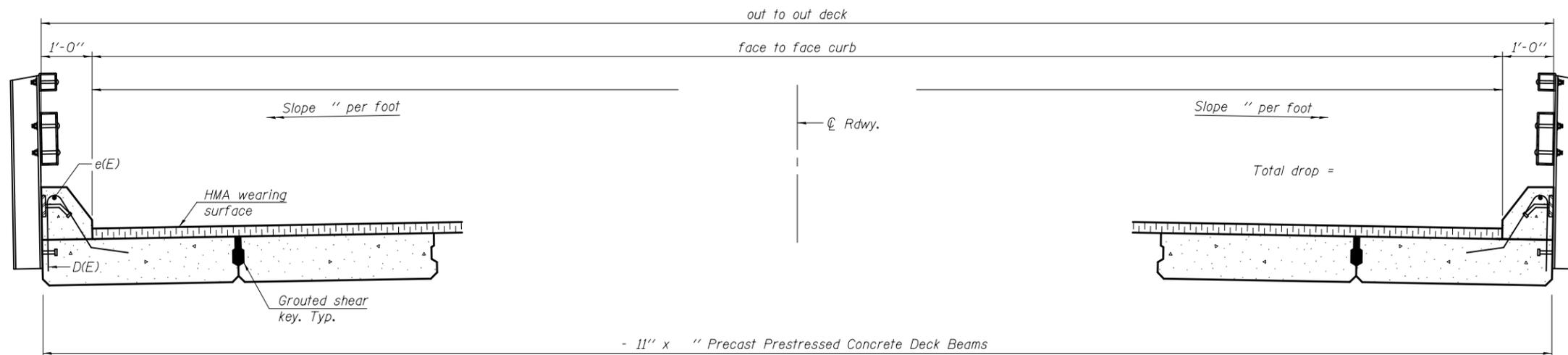
(Dimensions are at Rt. L's)
See sheet of for fabric bearing pad details.



SECTION B-B

(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.



CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.

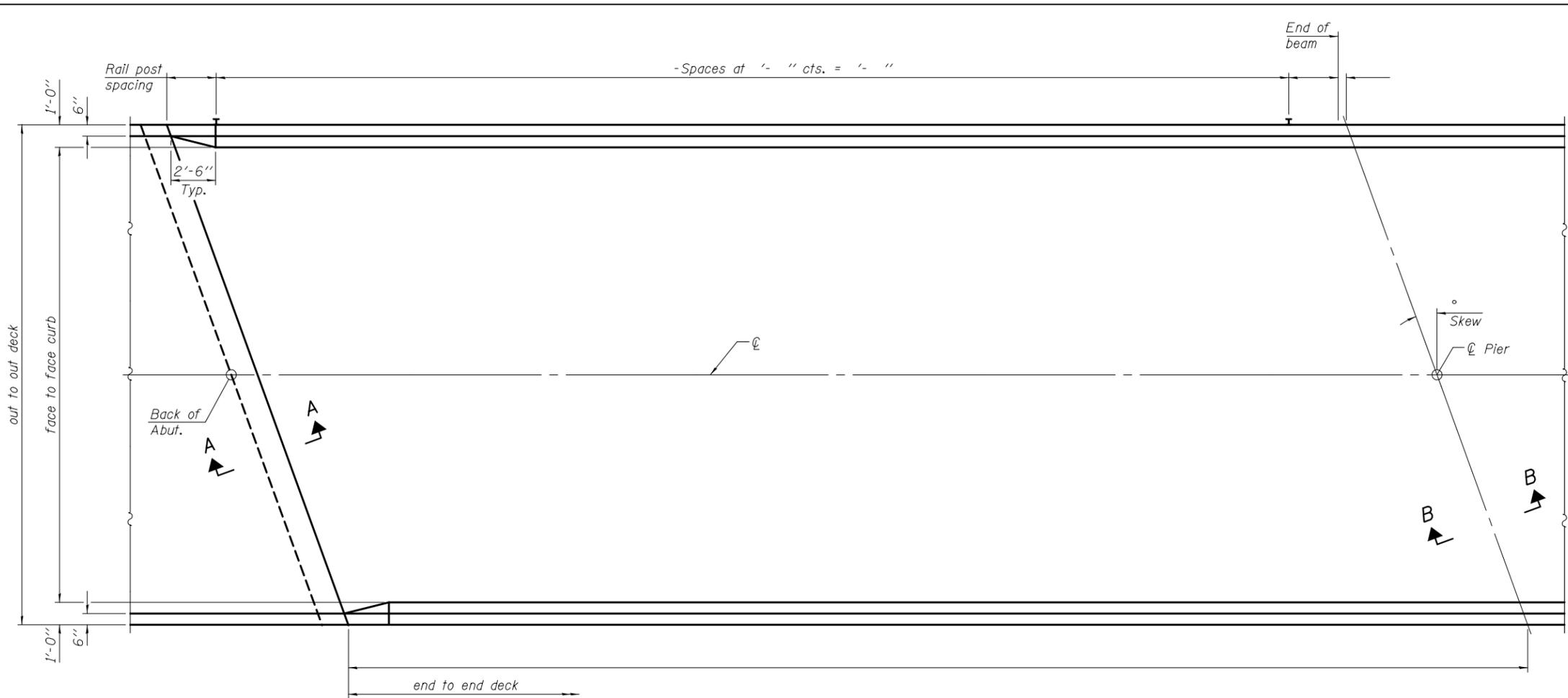
PDS-HMA-11-M-T1-L 1-27-12

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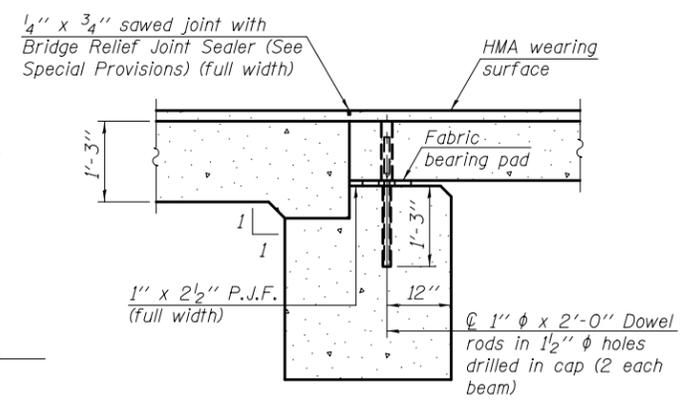
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

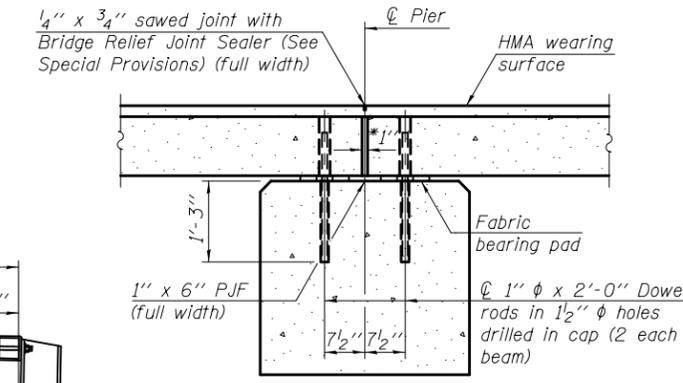
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PLAN

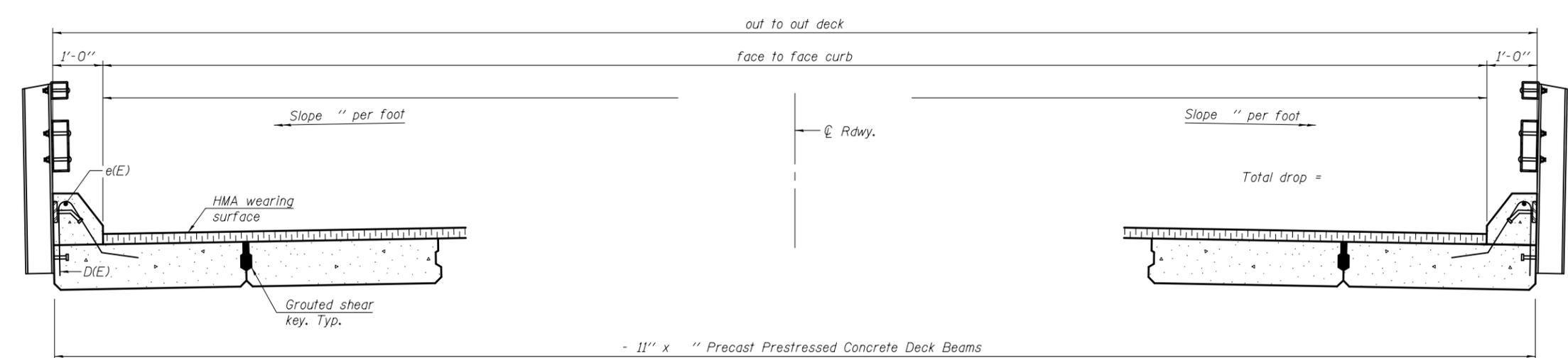


SECTION A-A
(Dimensions are at Rt. L's)
See sheet of for fabric bearing pad details.



SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

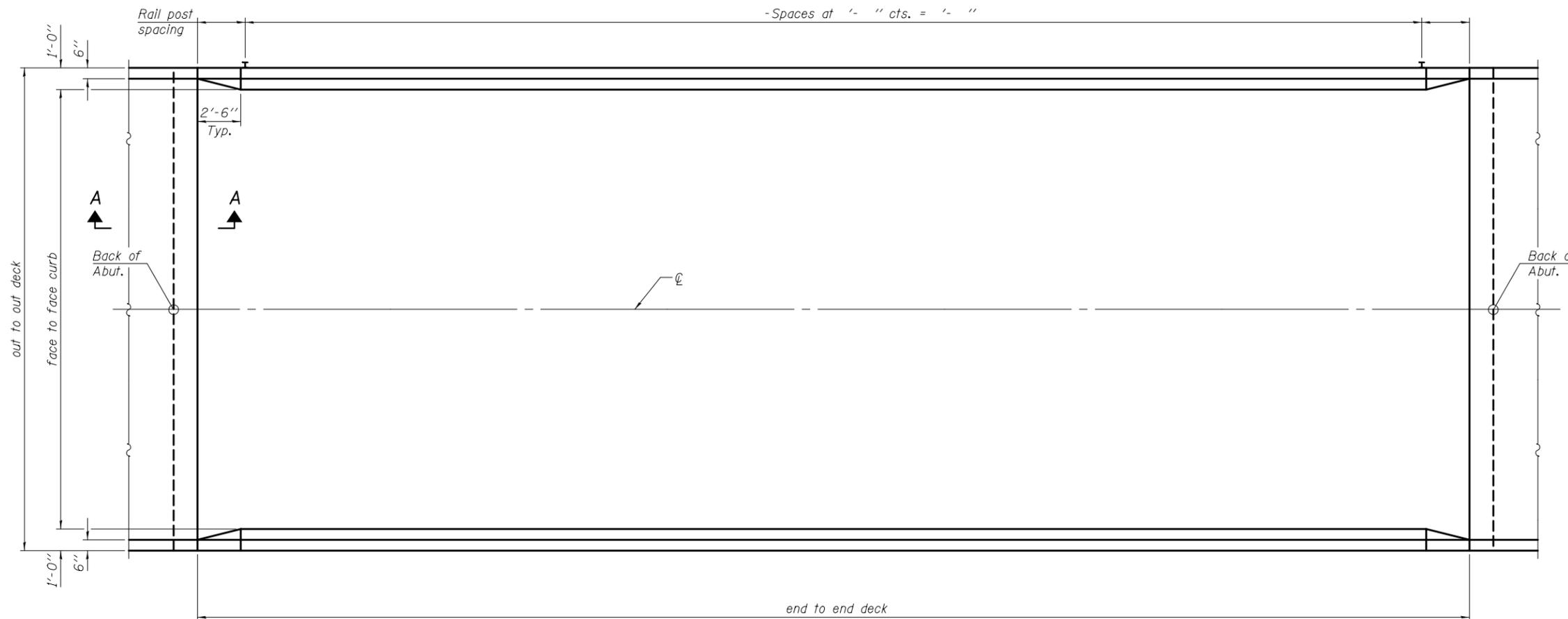


CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.

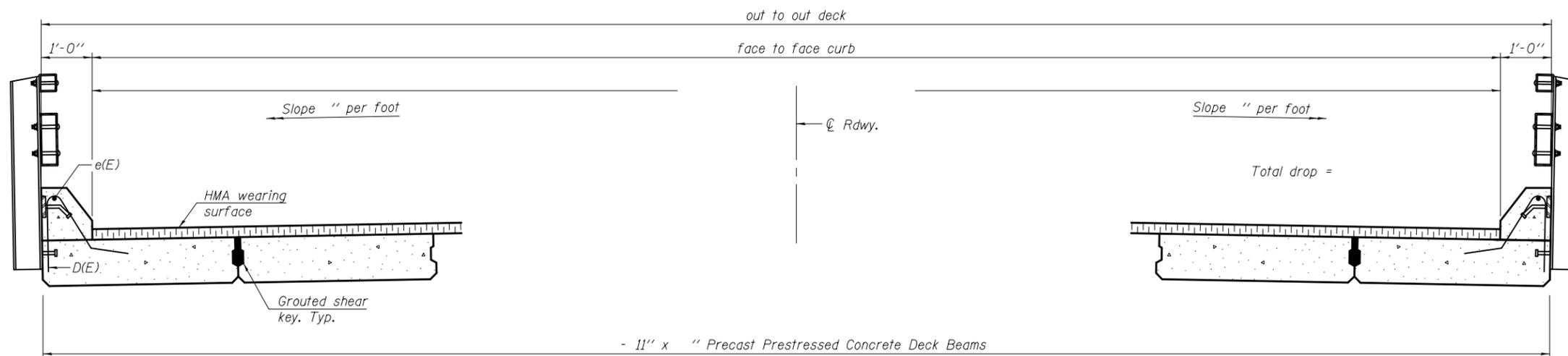
PDS-HMA-11-M-T1-R 6-8-15

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 -								



PLAN

SECTION A-A
See sheet of for
fabric bearing pad details.

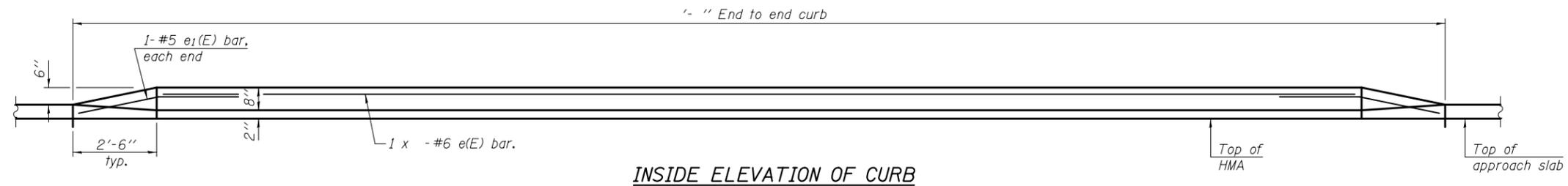


CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details
and Bill of Material.

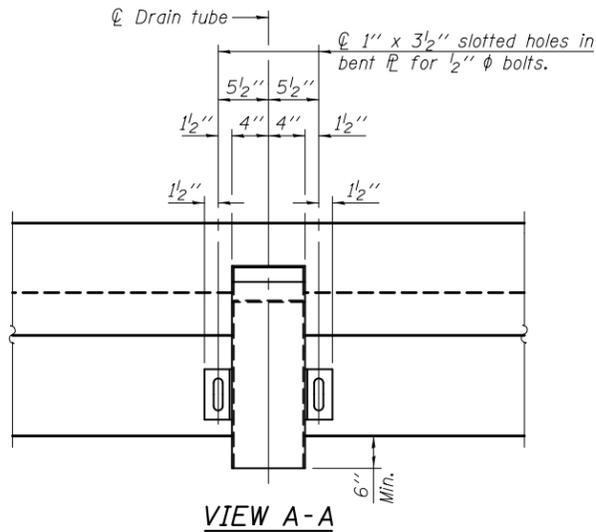
PDS-HMA-11-S-T1-0 7-1-10

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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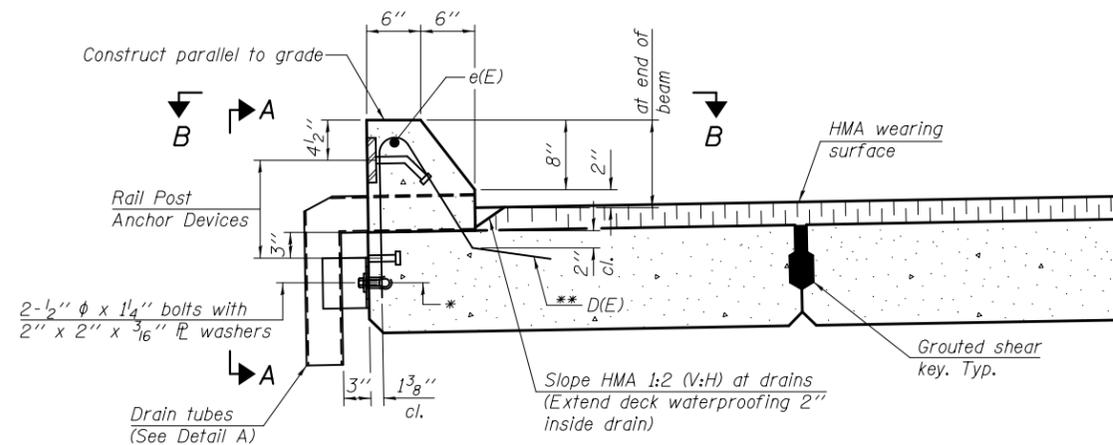
INSIDE ELEVATION OF CURB

MINIMUM BAR LAP
#6 bar 3'-7"



VIEW A-A

Note:
All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

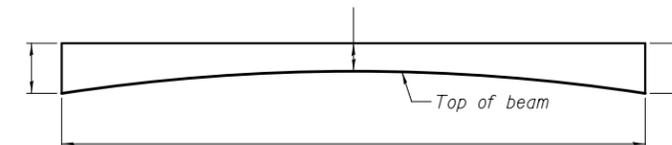


SECTION THRU CURB

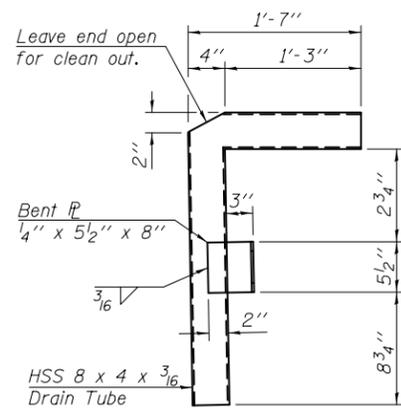
Curbs shall be poured in the field.

* Loop Ferrule inserts for 1/2" phi bolts.
Place at center of beam depth.

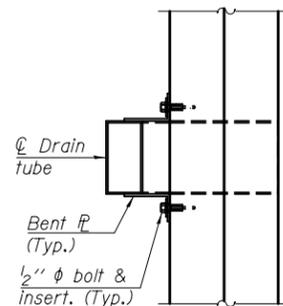
** Place #5 D(E) bars at 12" cts. in fascia beam for railing curb. Omit D(E) bars in curb transition. D(E) bar included in cost of beam.



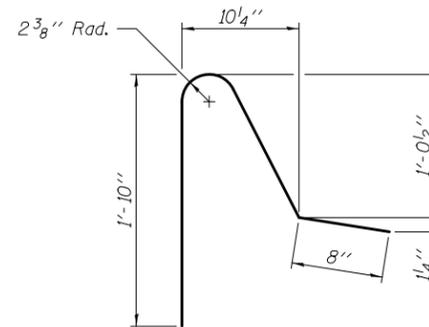
ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)



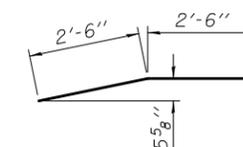
DETAIL A



VIEW B-B



BAR D(E)



BAR e1(E)

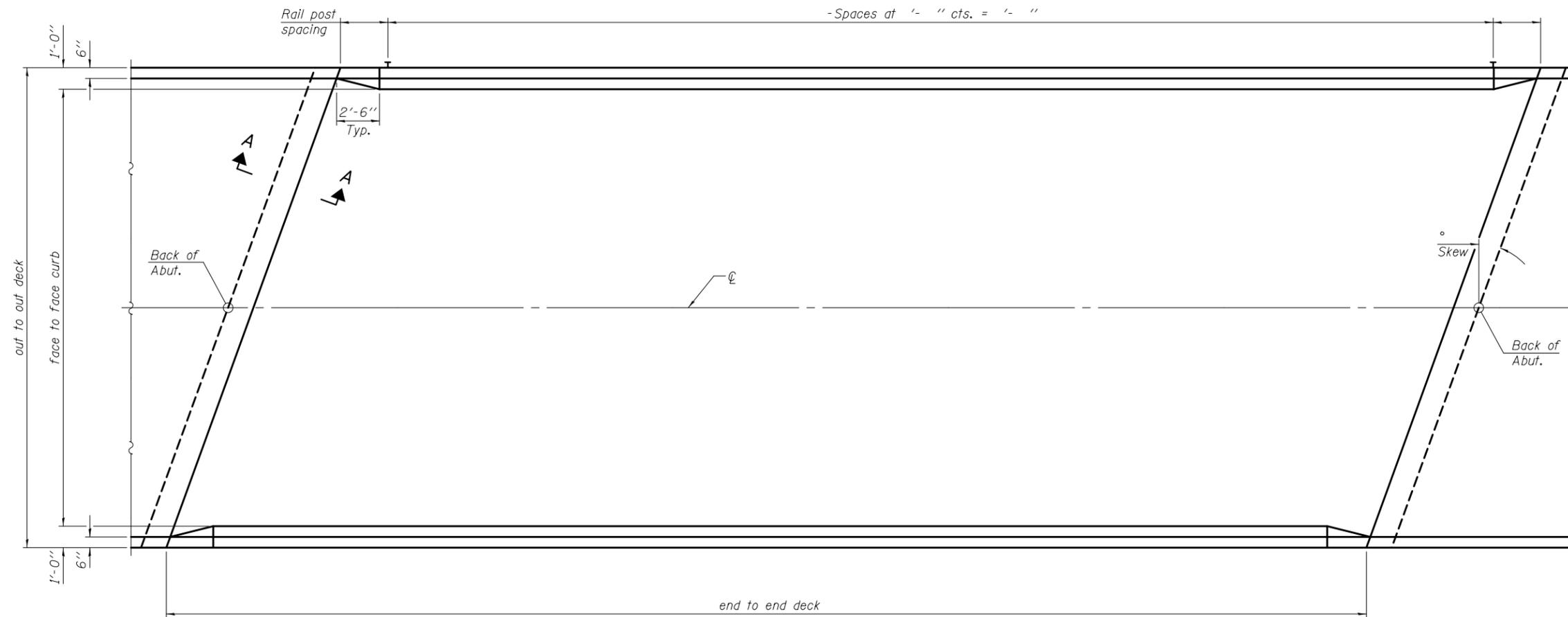
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e(E)		#6		—
e1(E)	4	#5	5'-0"	—
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Superstructure			Cu. Yd.	
HMA Wearing Surface			Tons	

Bars indicated thus 1 x - #6 etc. indicates 1 line of bars with lengths per line.

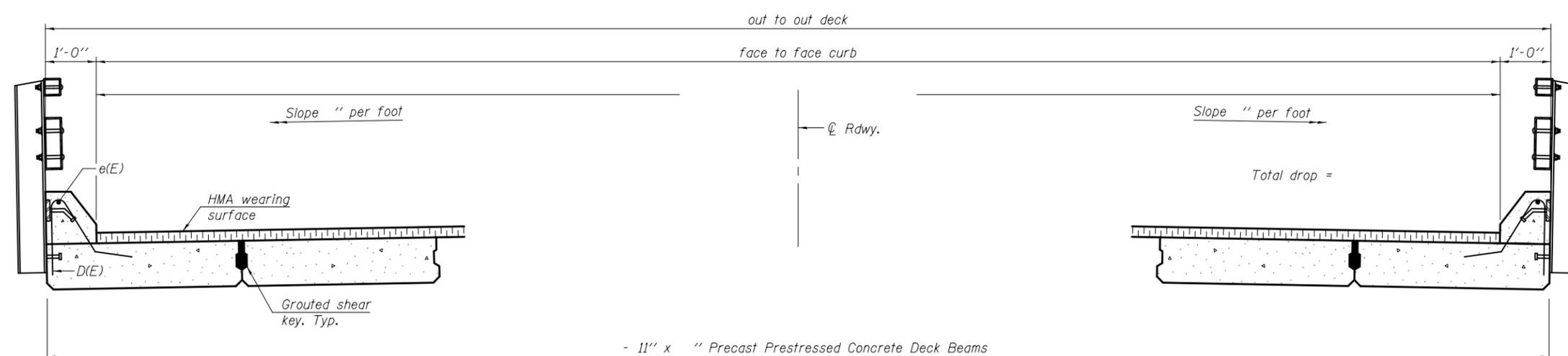
PDS-HMA-11-S-T1-D 6-8-15

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

SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for
 fabric bearing pad details.

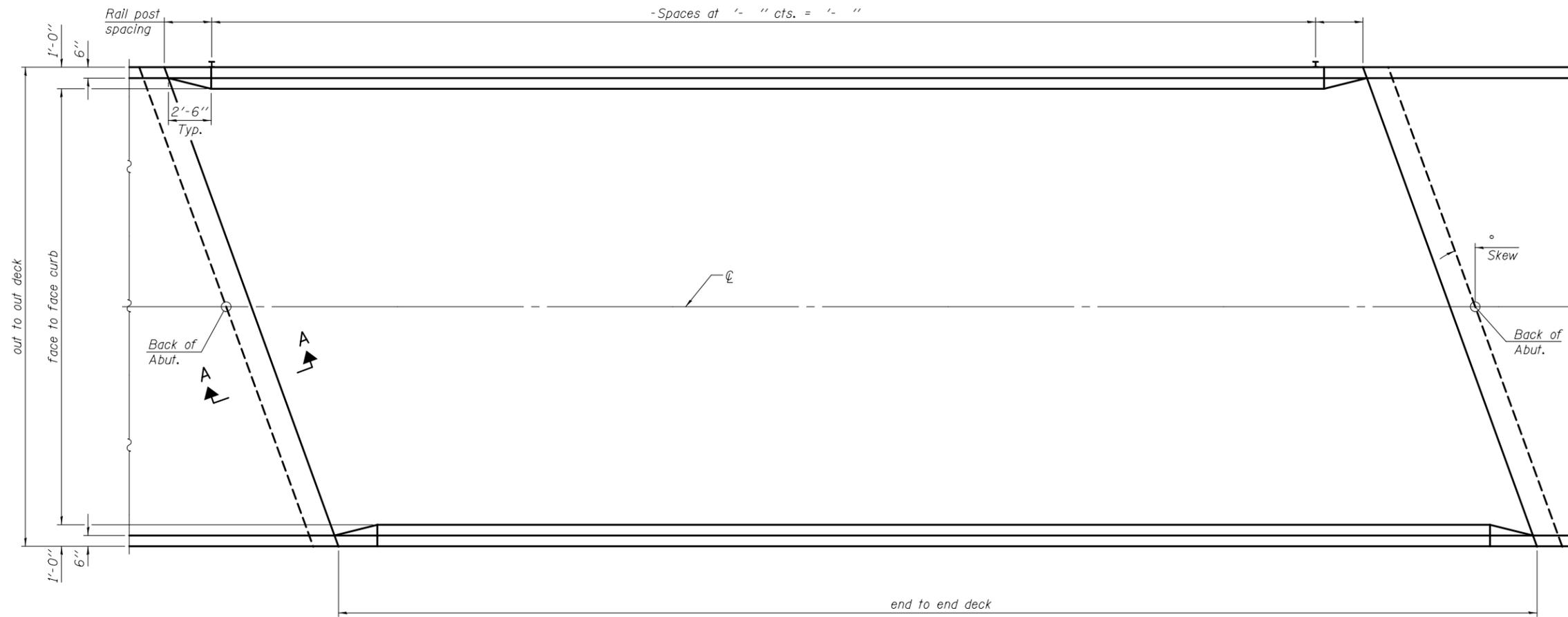


CROSS SECTION
 (Looking)

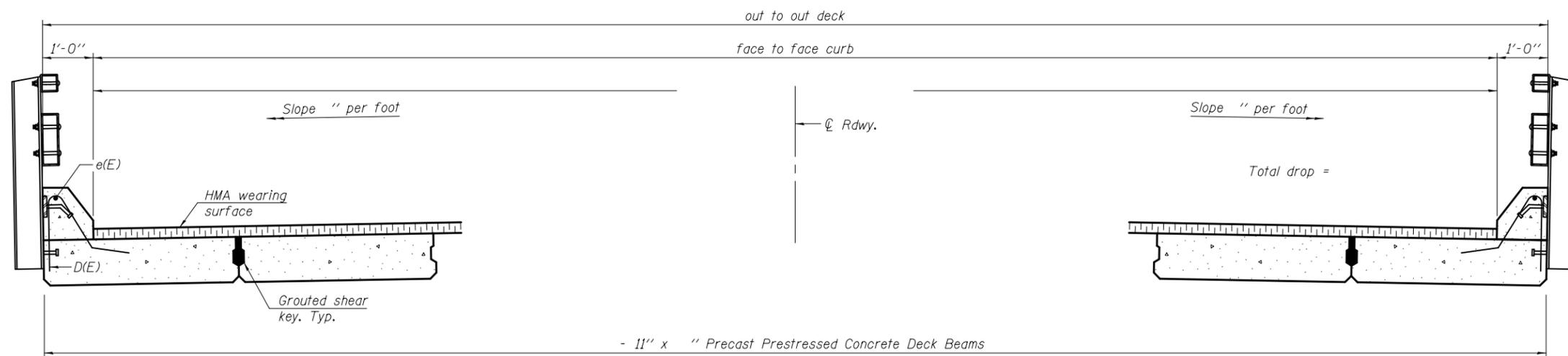
Notes:
 See sheet of for Superstructure Details
 and Bill of Material.

PDS-HMA-11-S-T1-L 7-1-10

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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SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for
 fabric bearing pad details.

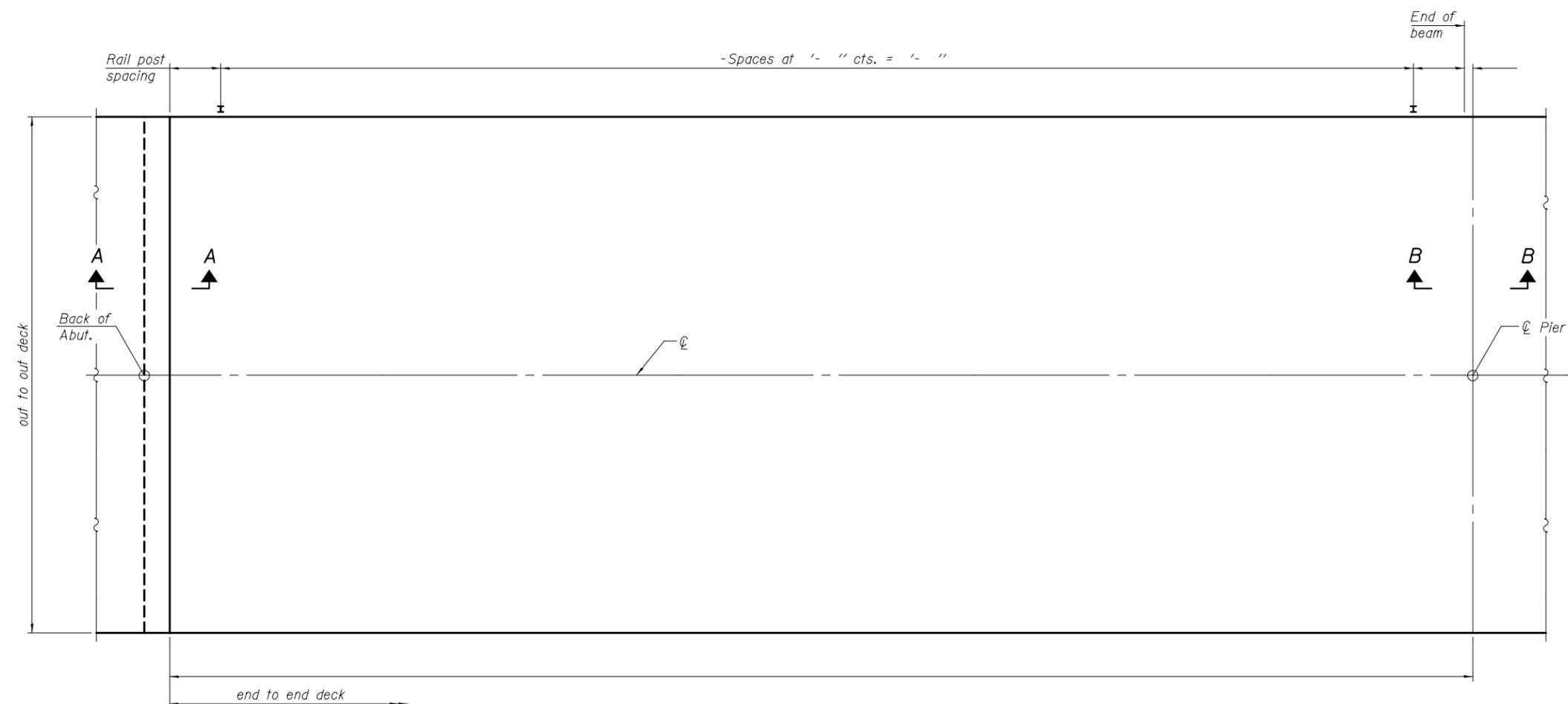


Notes:
 See sheet of for Superstructure Details
 and Bill of Material.

MINIMUM BAR LAP

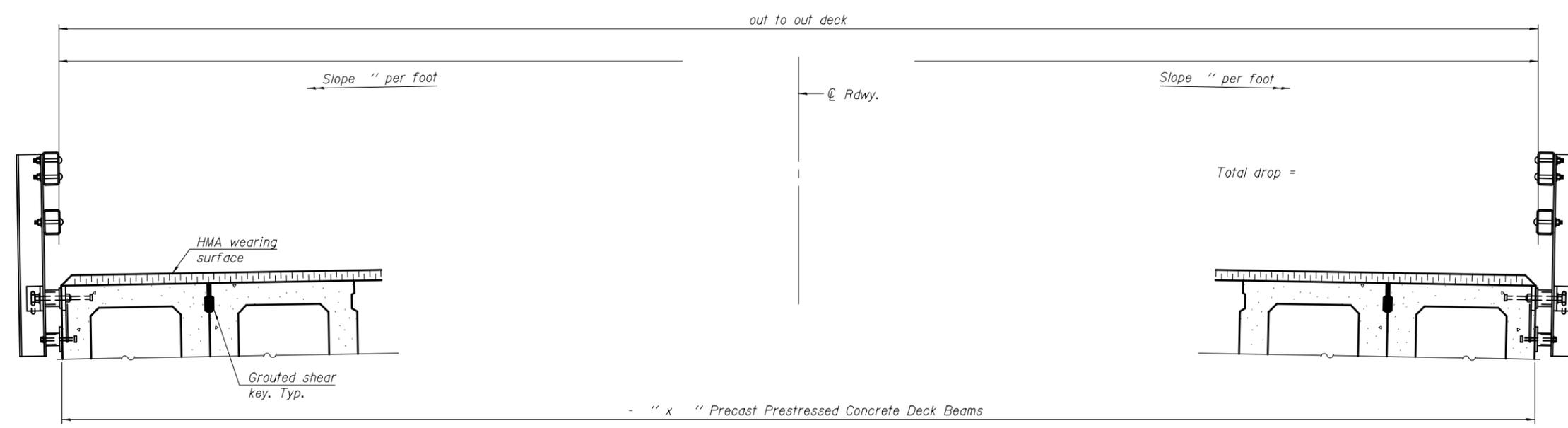
PDS-HMA-11-S-T1-R 7-1-10

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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SECTION A-A
See sheet of for fabric bearing pad details.

PLAN

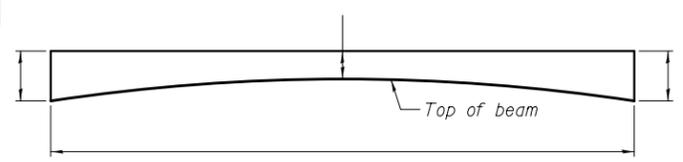


CROSS SECTION
(Looking)

SECTION B-B
*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

BILL OF MATERIAL

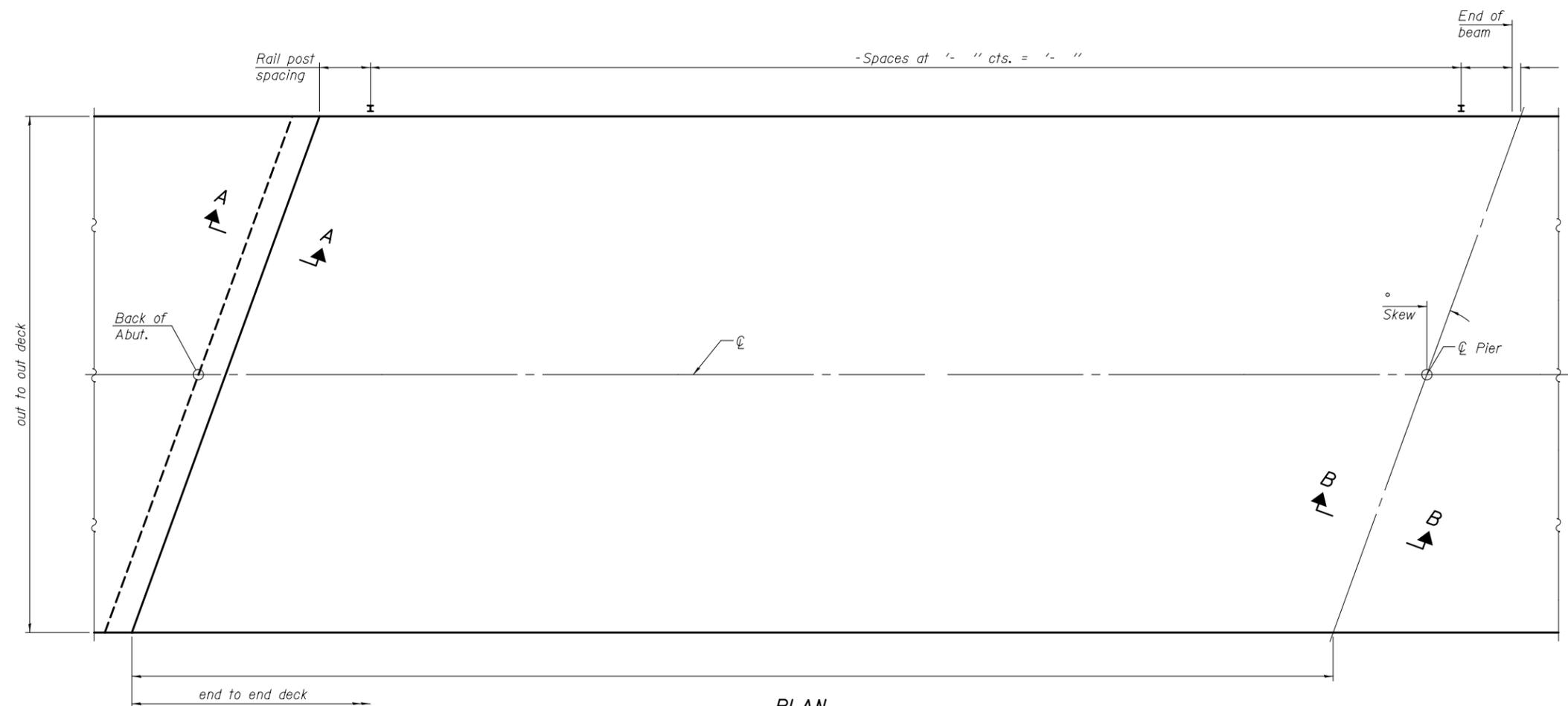
ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	0



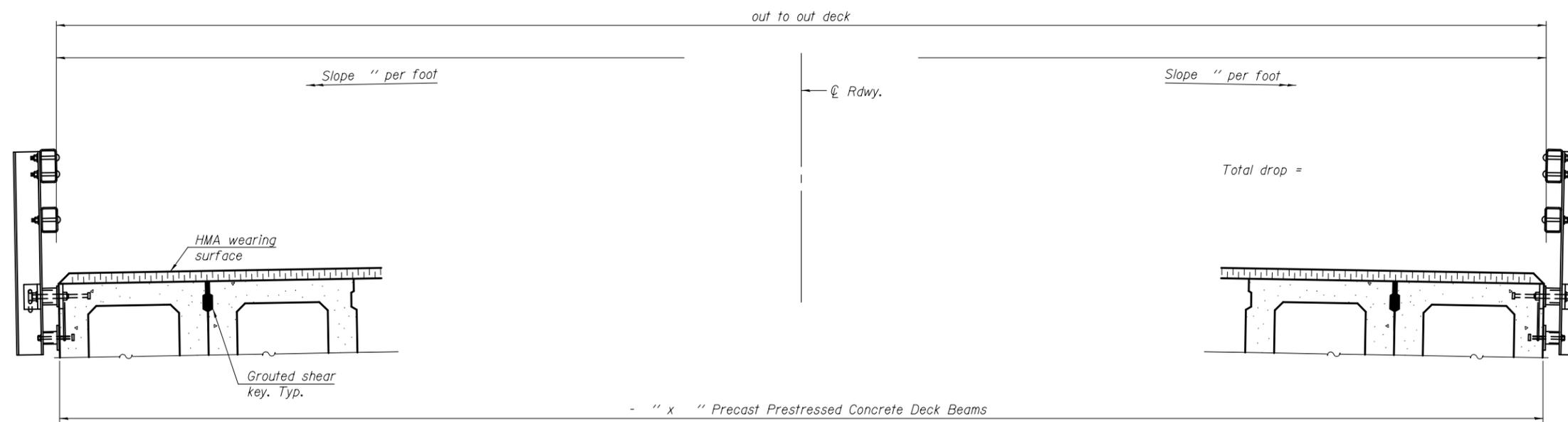
Notes:
See sheet of for Superstructure Details and Bill of Material.

PDS-HMA-M-R34-0 7-1-10

FILE NAME =	USER NAME =	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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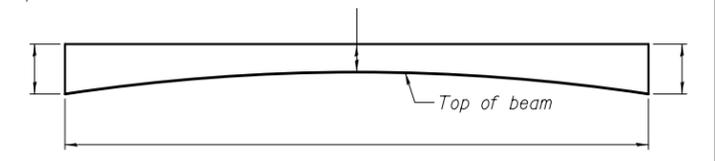
SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for fabric bearing pad details.



SECTION B-B
 (Dimensions are at Rt. L's)
 *1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

BILL OF MATERIAL

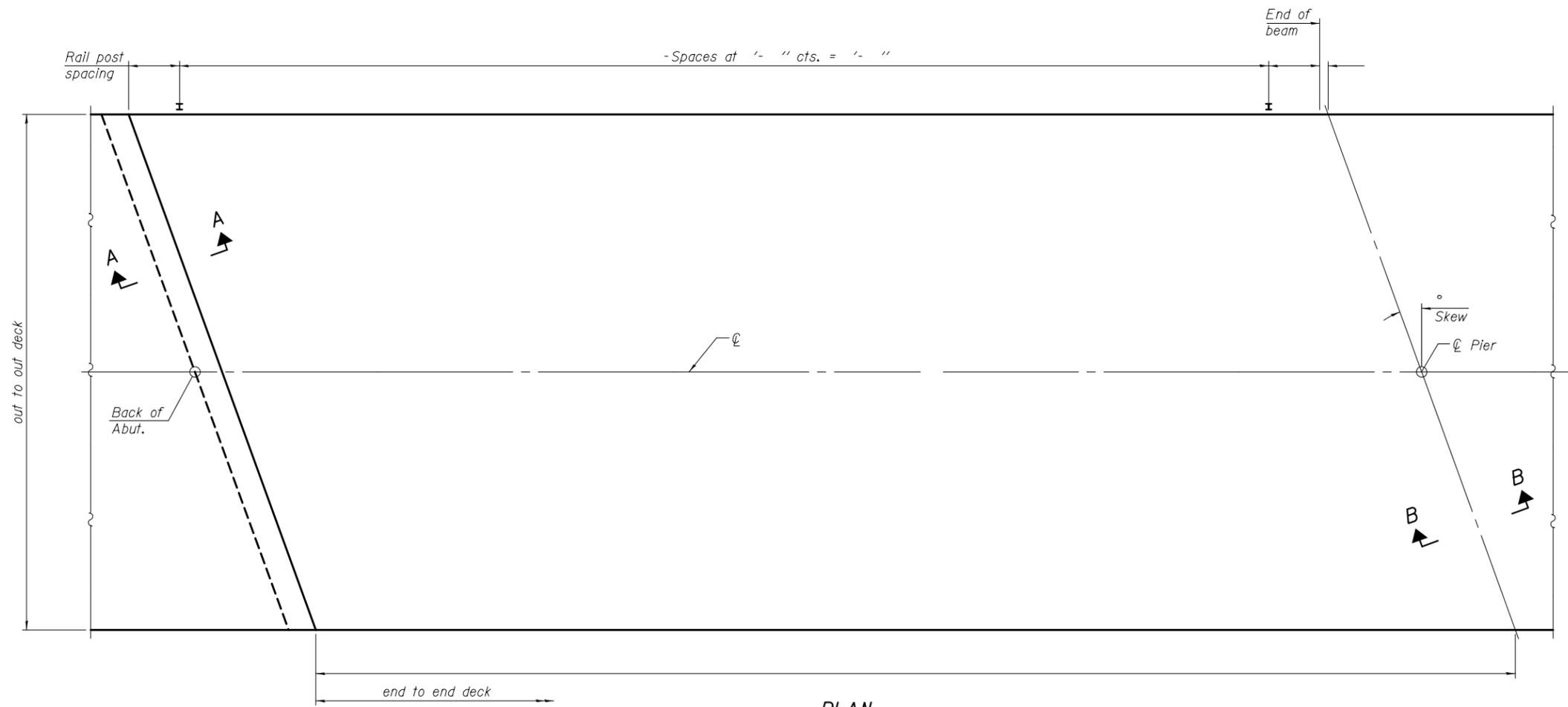
ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	0



Notes:
 See sheet of for Superstructure Details and Bill of Material.

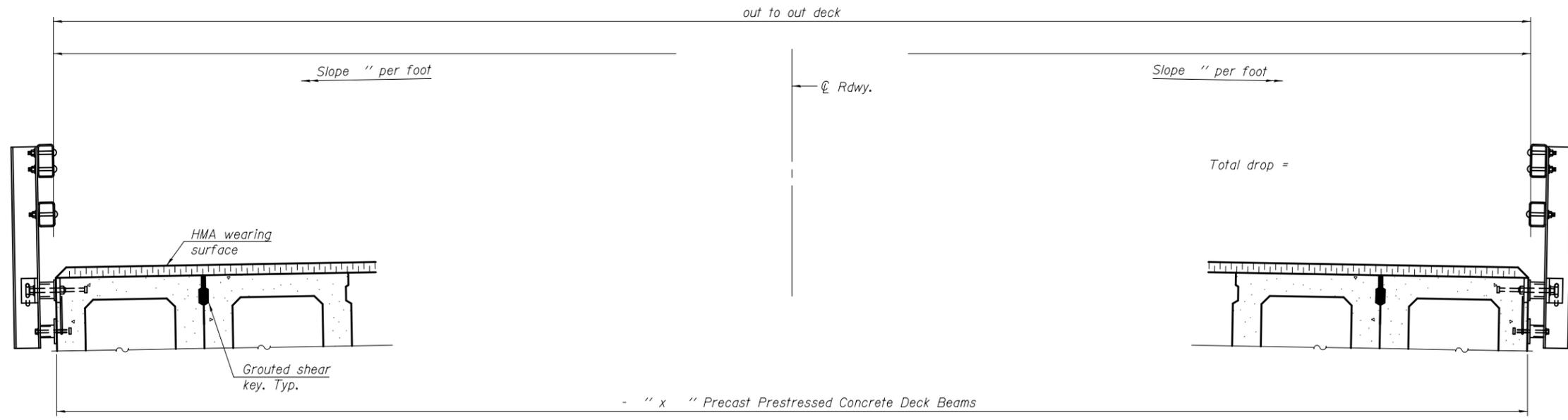
PDS-HMA-M-R34-L 7-1-10

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	PLOT DATE =	CHECKED -	REVISOR -			ILLINOIS FED. AID PROJECT					



PLAN

SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for
 fabric bearing pad details.

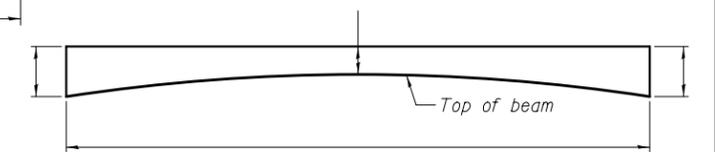


CROSS SECTION
 (Looking)

SECTION B-B
 (Dimensions are at Rt. L's)
 *1" Jt. shall be filled with non-shrink grout. 1"
 dimension may vary to accommodate tolerance
 in beam lengths.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	0

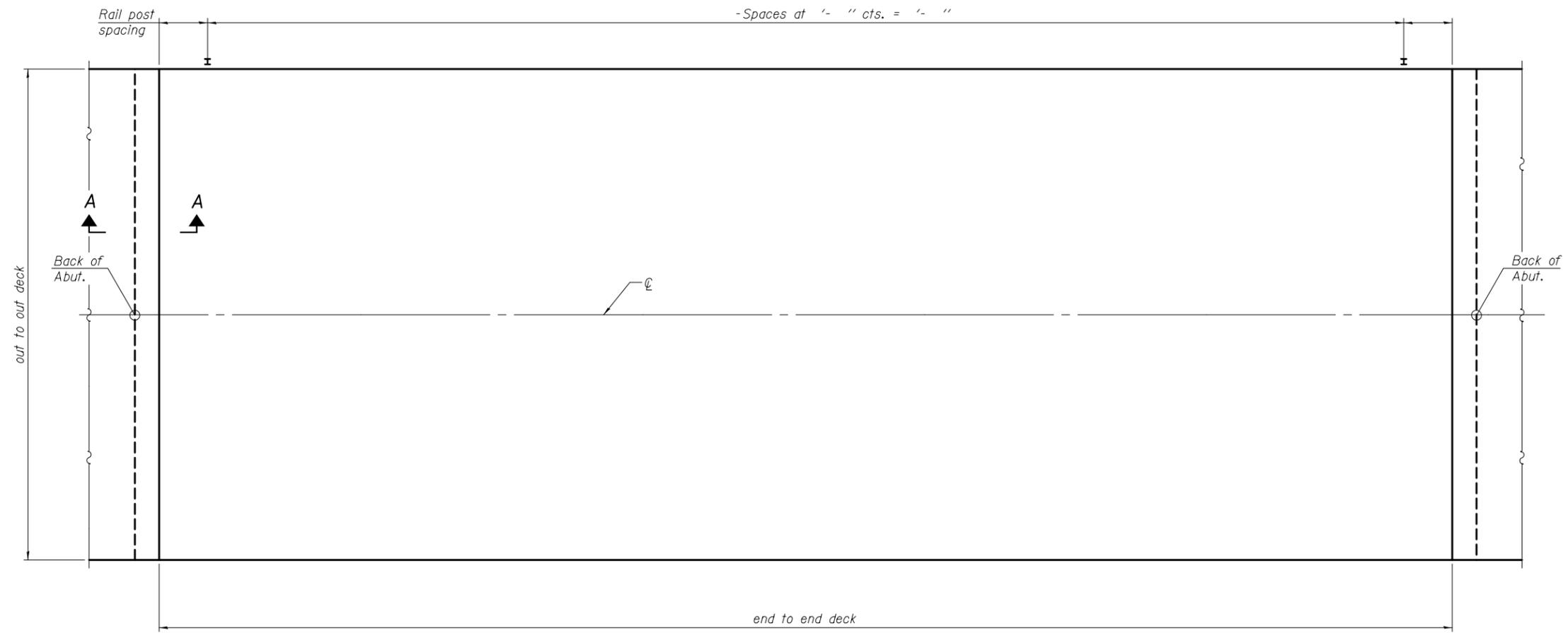


ANTICIPATED HMA WEARING SURFACE PROFILE
 (For information only)

Notes:
 See sheet of for Superstructure Details
 and Bill of Material.

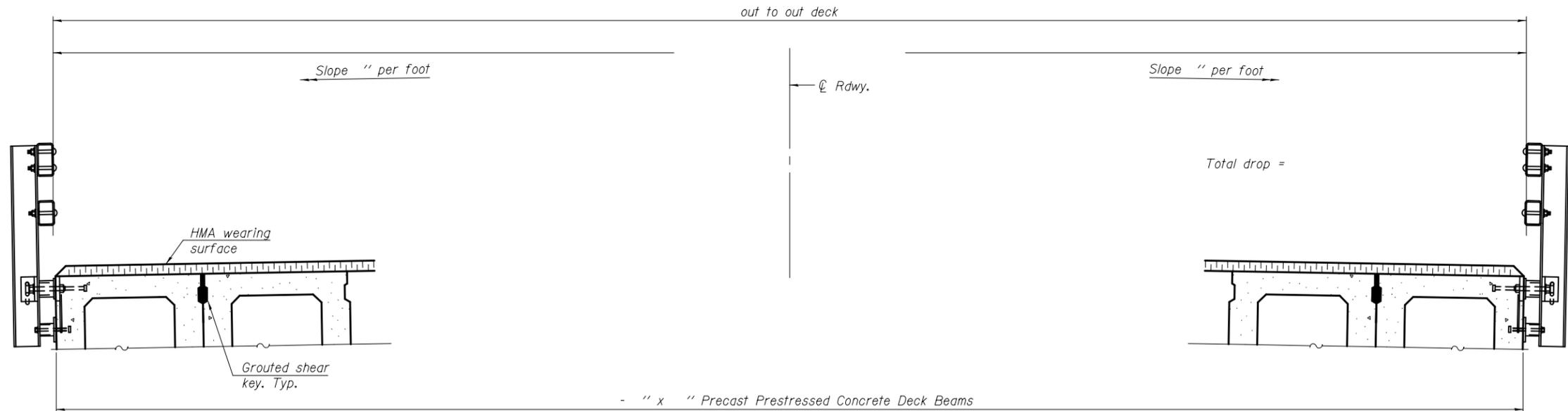
PDS-HMA-M-R34-R 7-1-10

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

SECTION A-A
See sheet of for fabric bearing pad details.



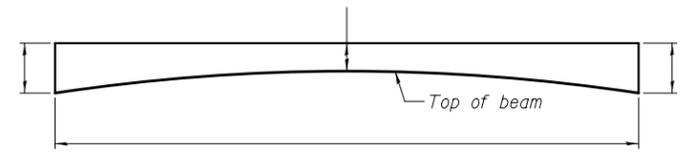
CROSS SECTION
(Looking)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	0

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

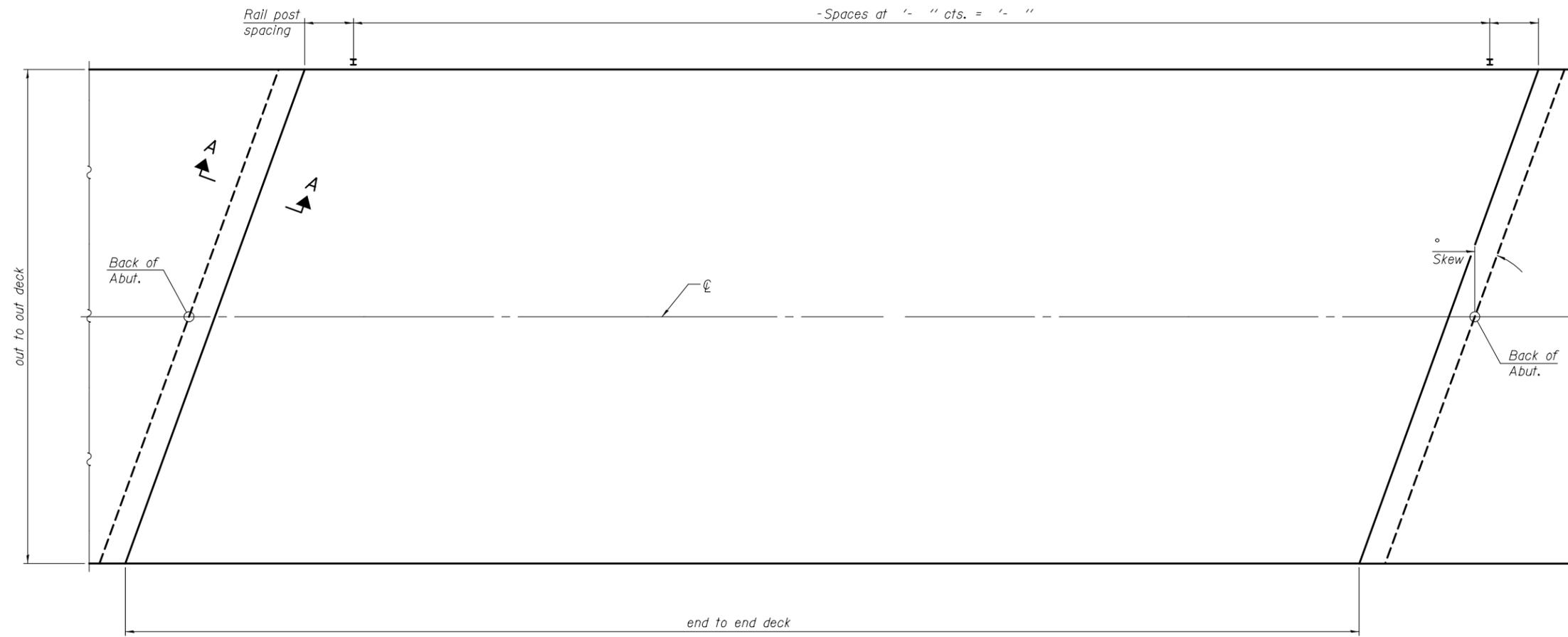
MINIMUM BAR LAP
#4 bar = 2'-7"



ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)

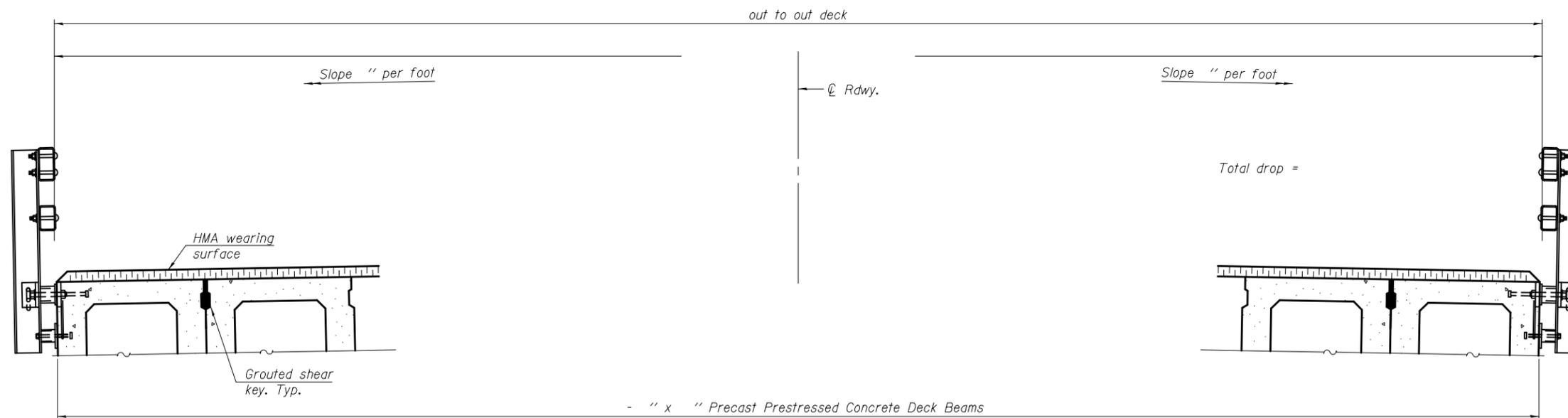
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PLAN

SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for
 fabric bearing pad details.



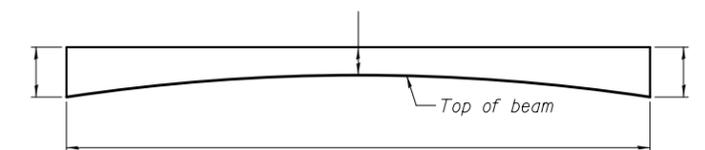
CROSS SECTION
 (Looking)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	0

Notes:
 See sheet of for Superstructure Details
 and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates
 20 lines of bars with 2 lengths per line.
 Spacing of a(E) bars shall be measured along the
 ℄ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-7"



ANTICIPATED HMA WEARING SURFACE PROFILE
 (For information only)

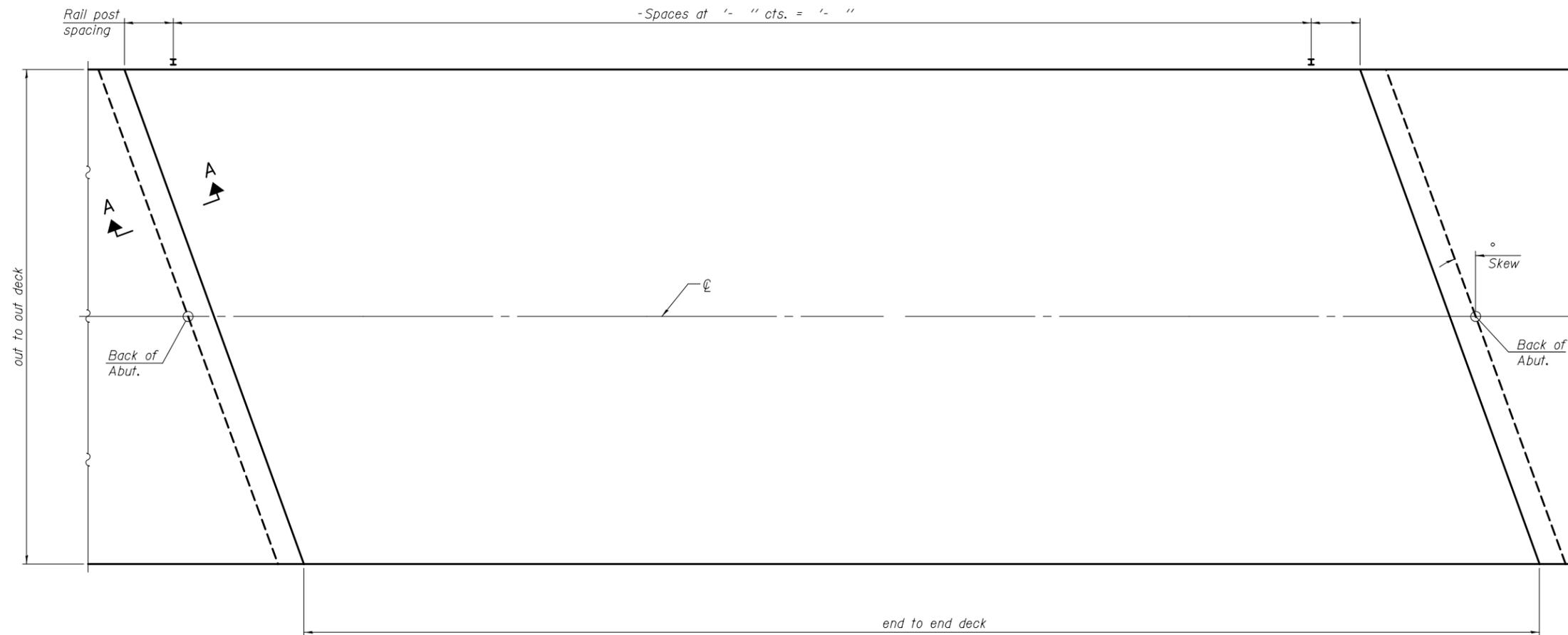
PDS-HMA-S-R34-L 7-1-10

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

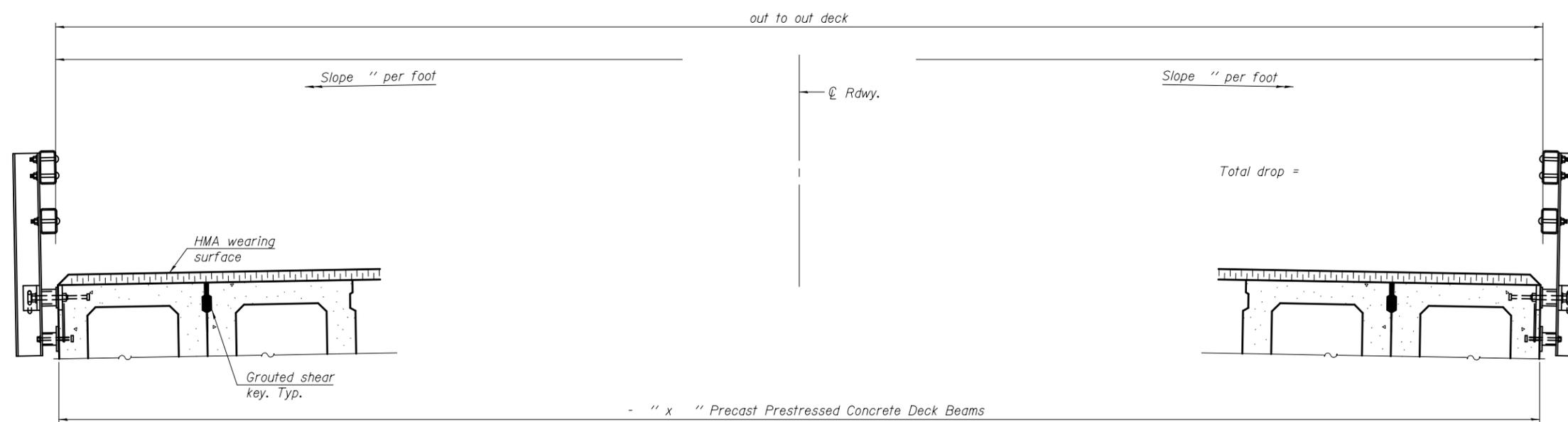
SUPERSTRUCTURE
STRUCTURE NO.

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



PLAN

SECTION A-A
 (Dimensions are at Rt. L's)
 See sheet of for
 fabric bearing pad details.



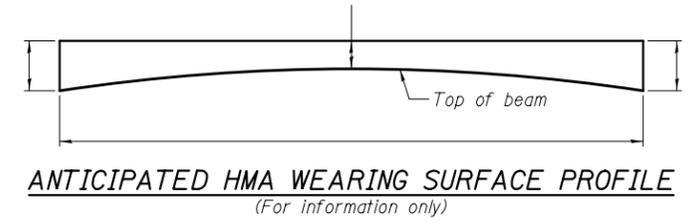
CROSS SECTION
 (Looking)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
HMA Wearing Surface	Tons	

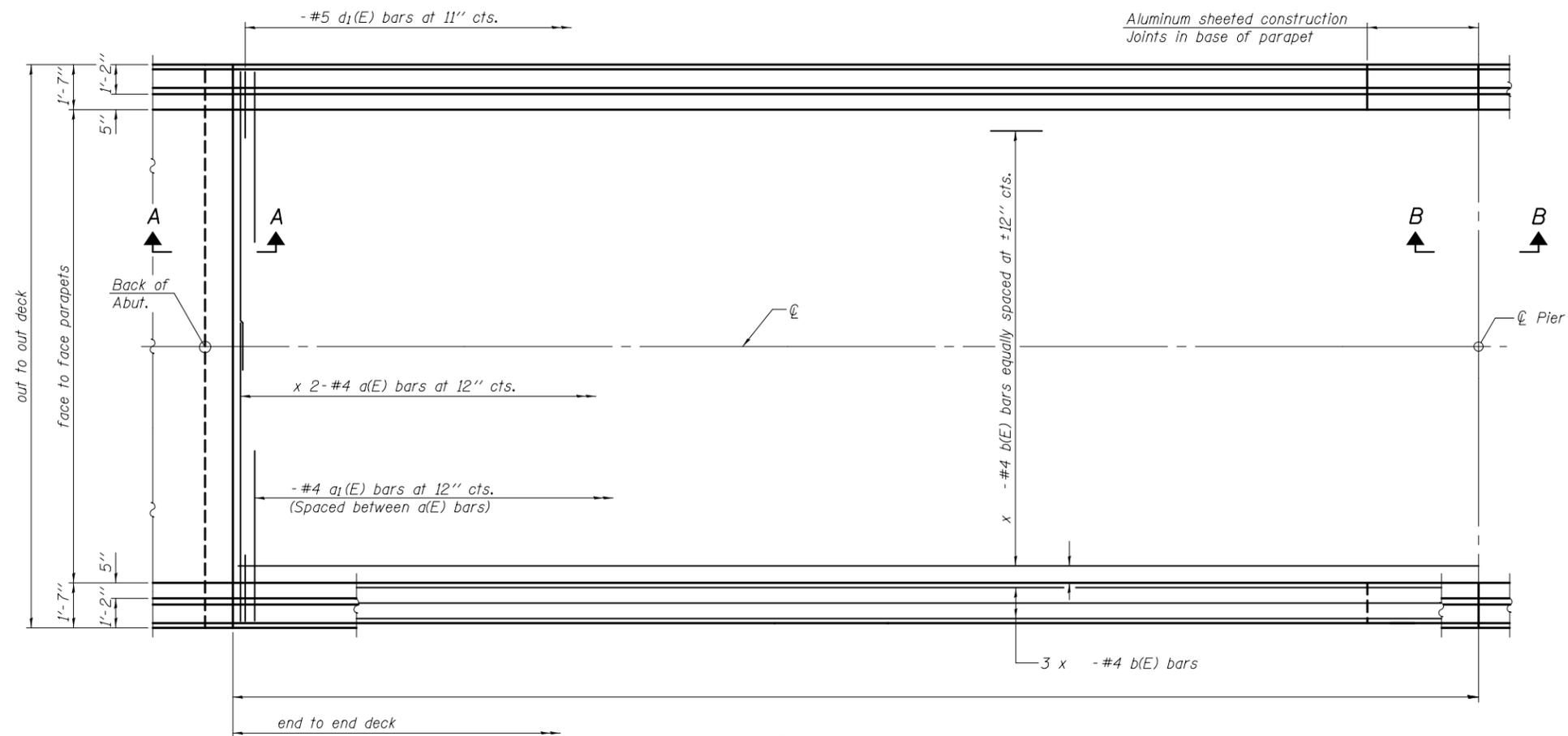
Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) bars shall be measured along the ☉ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-7"

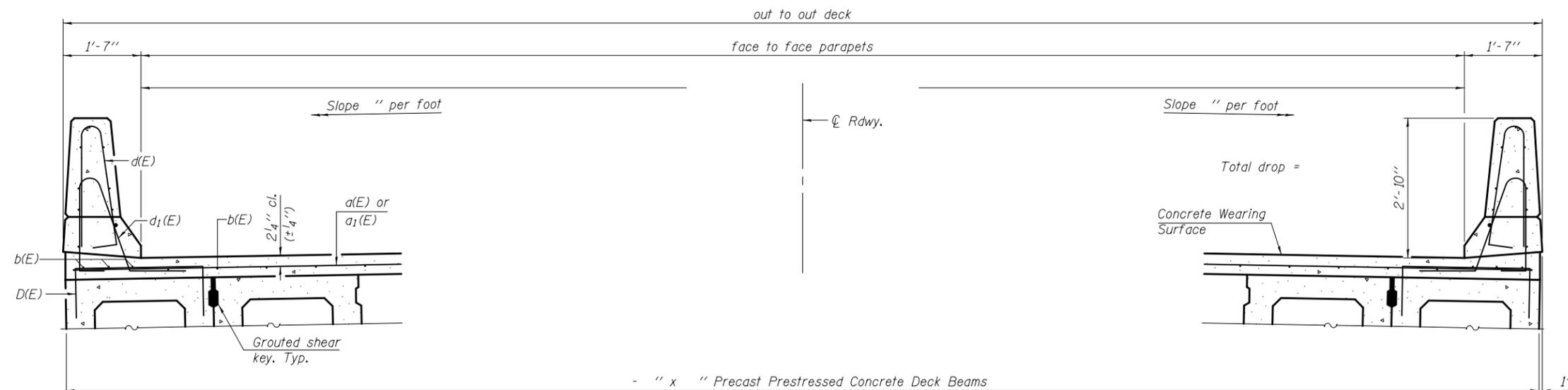


PDS-HMA-S-R34-R 7-1-10

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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		DRAWN -	REVISIED -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIED -								



PLAN



CROSS SECTION
(Looking)

SECTION A-A

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.

SECTION B-B

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
#4 bar = 2'-2"

PDS-M-F-0

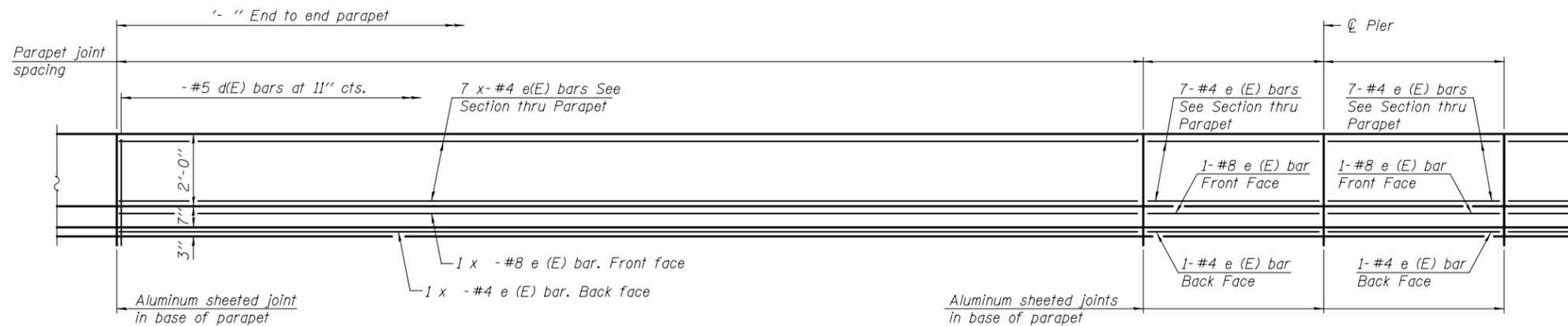
6-8-15

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	PLOT DATE =	CHECKED -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

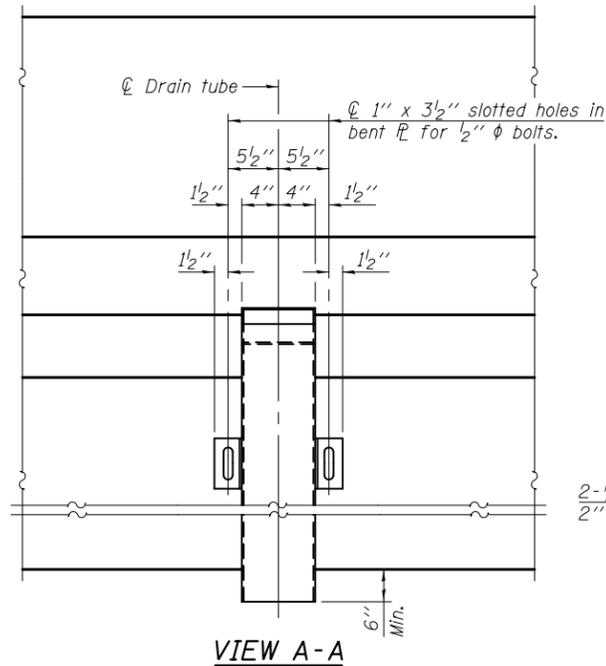
SUPERSTRUCTURE
STRUCTURE NO.

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

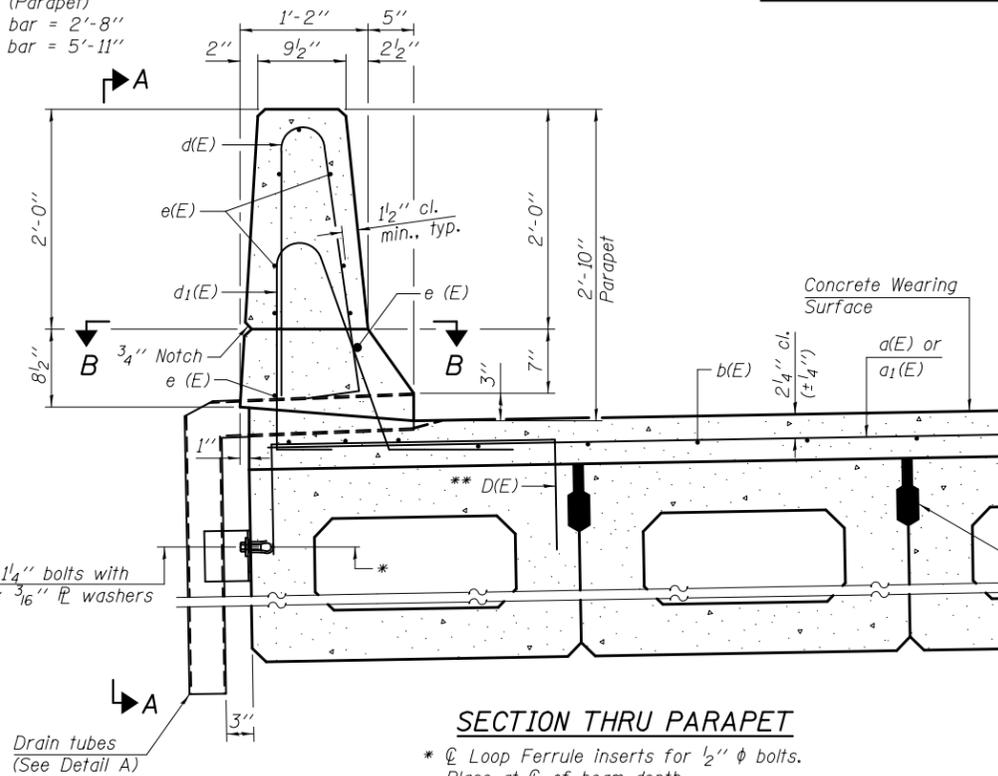


MINIMUM BAR LAP

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



Note:
 All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
 The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

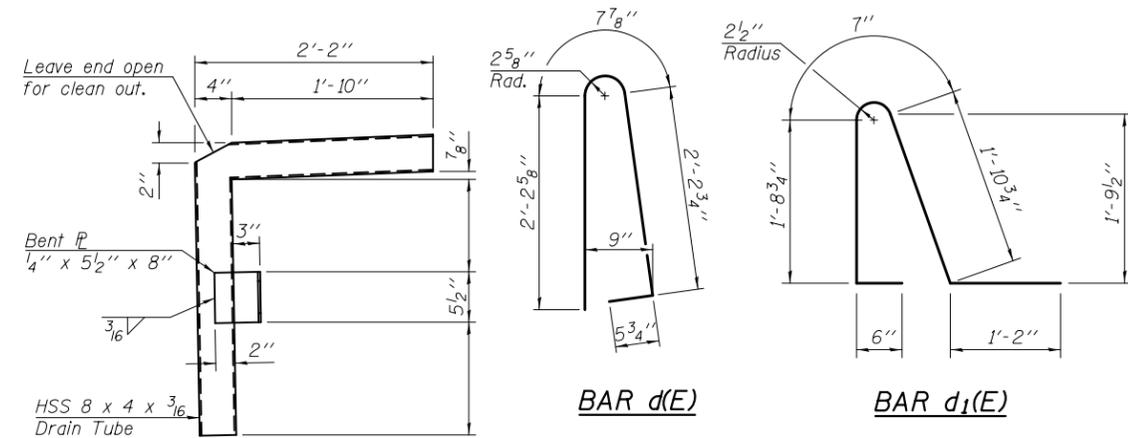


SECTION THRU PARAPET

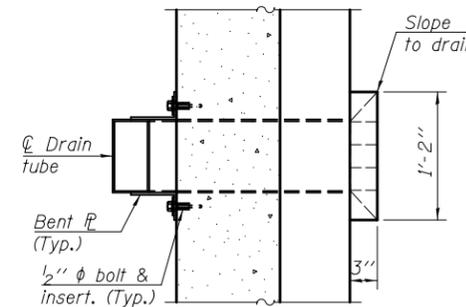
* Loop Ferrule inserts for 1/2" bolts. Place at center of beam depth.

** Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.

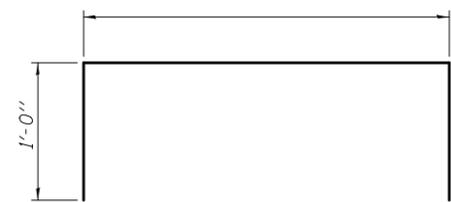
INSIDE ELEVATION OF PARAPET



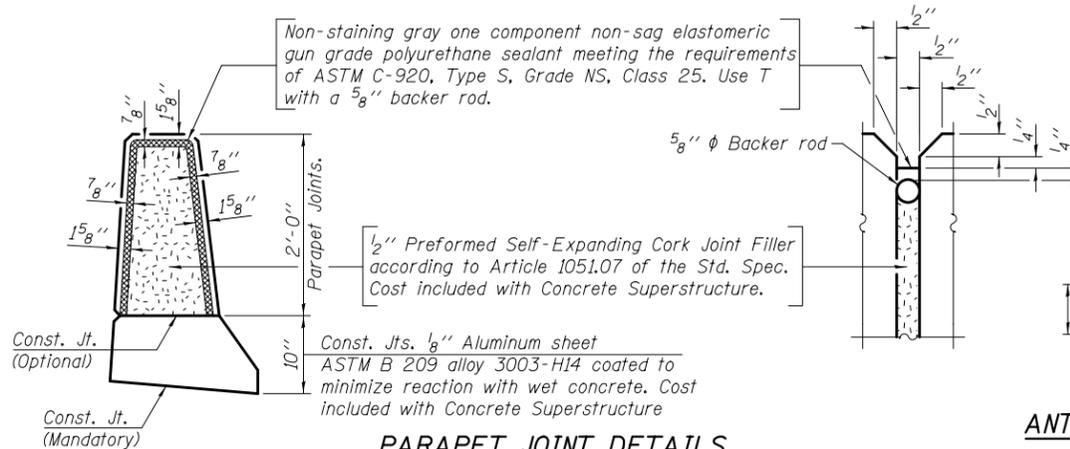
DETAIL A



SECTION B-B



BAR D(E)



PARAPET JOINT DETAILS

ANTICIPATED CONCRETE WEARING SURFACE PROFILE
 (For information only)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)		#4		—
a1(E)		#4	6'-0"	—
b(E)		#4		—
d(E)		#5	5'-7"	⏏
d1(E)		#5	5'-11"	⏏
e(E)		#4		—
e(E)		#8		—
e(E)		#4		—
e(E)		#8		—
e(E)		#4		—
Reinforcement Bars, Epoxy Coated				Pound
Concrete Superstructure				Cu. Yd.
Concrete Wearing Surface, 5"				Sq. Yd.

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.

PDS-M-F-D

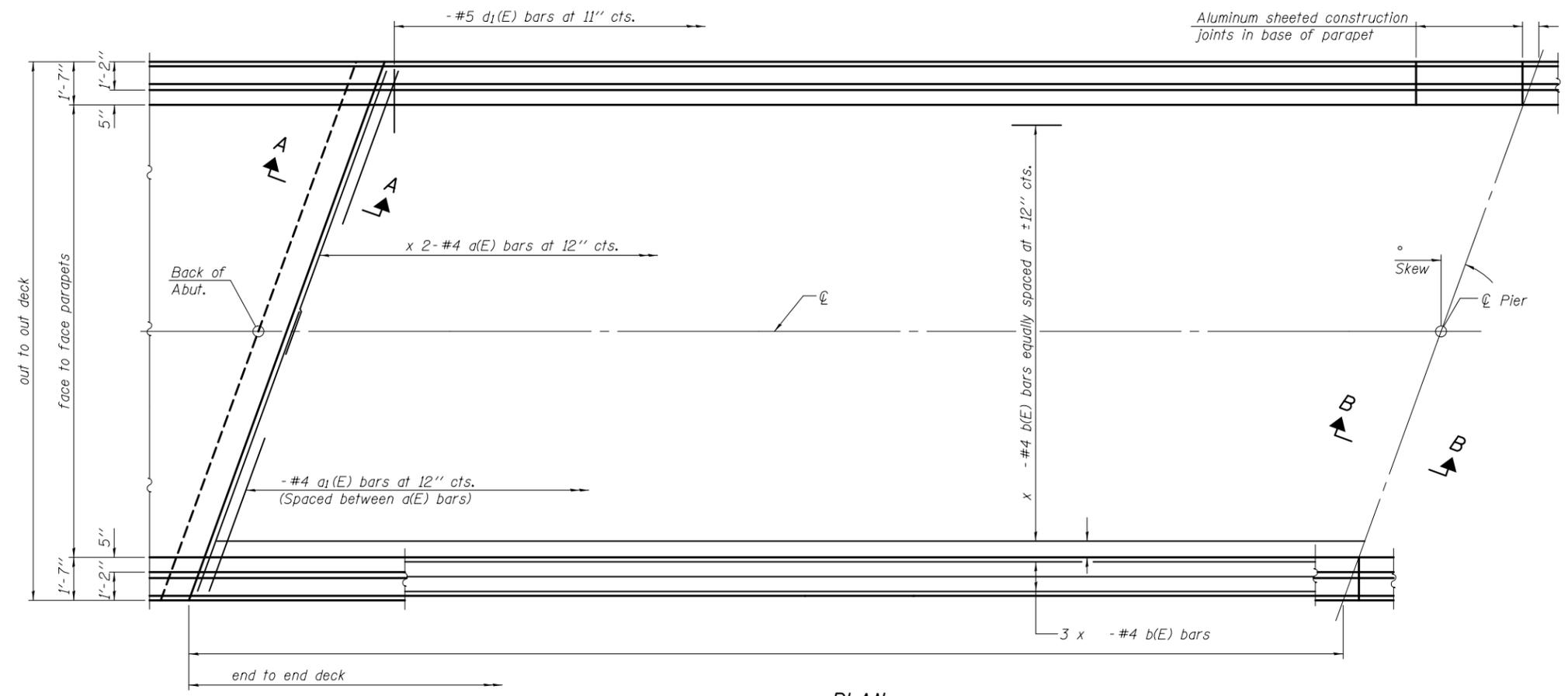
6-8-15

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		CHECKED -	REVISD -

STATE OF ILLINOIS
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SUPERSTRUCTURE DETAILS
 STRUCTURE NO.

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

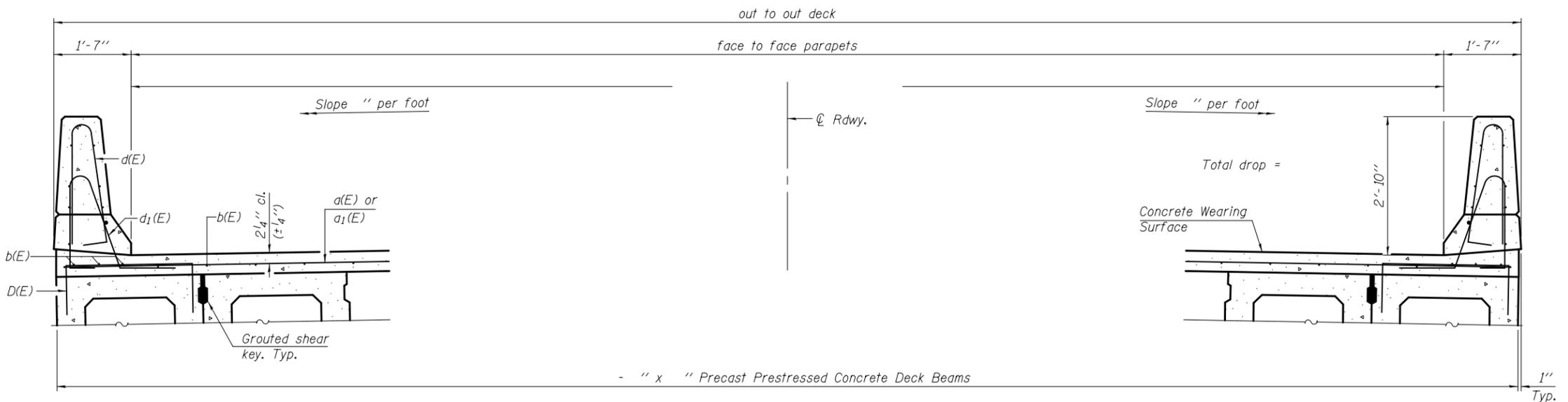


PLAN

SECTION A-A

(Dimensions are at Rt. L's)

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)

SECTION B-B

(Dimensions are at Rt. L's)

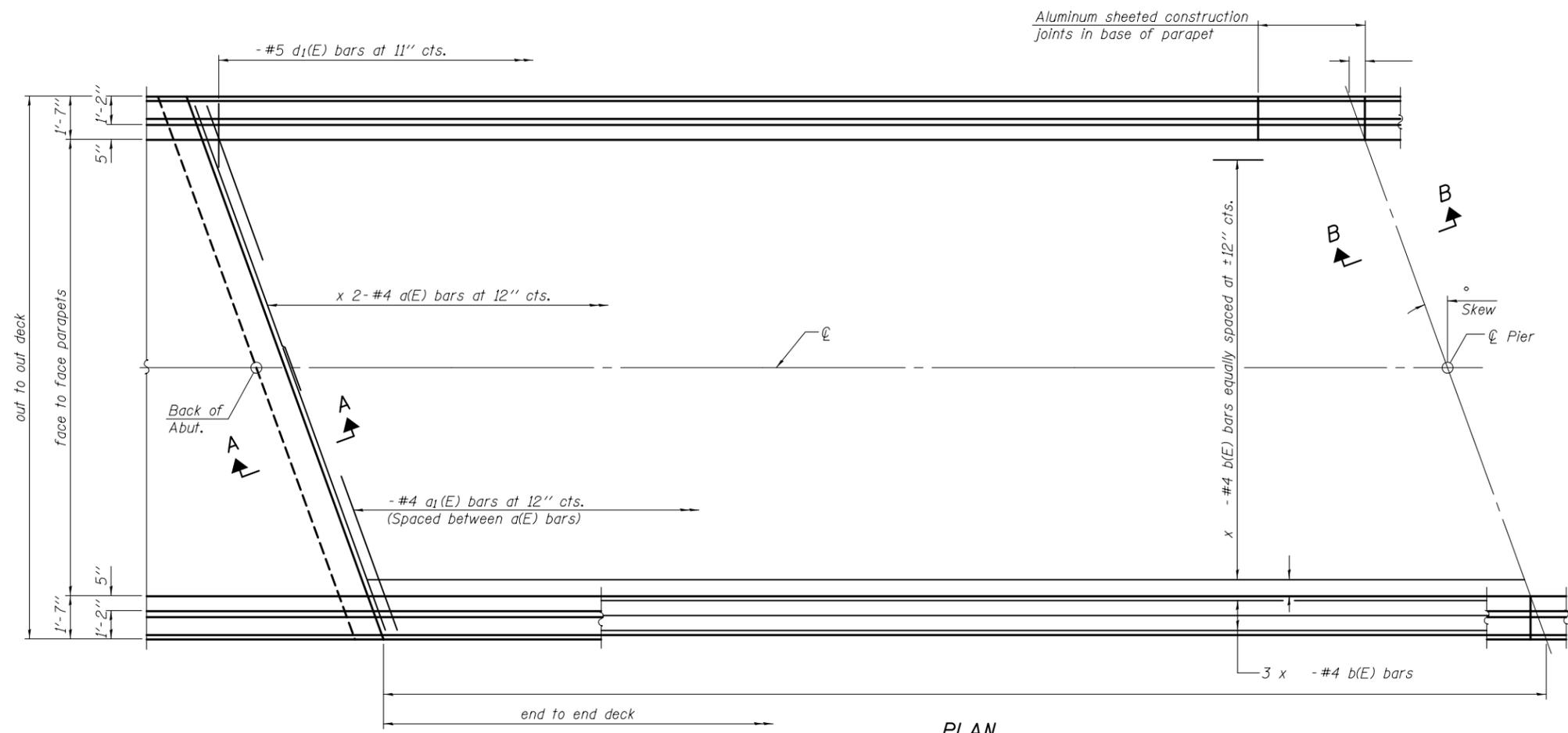
*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc, indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-M-F-L 6-8-15

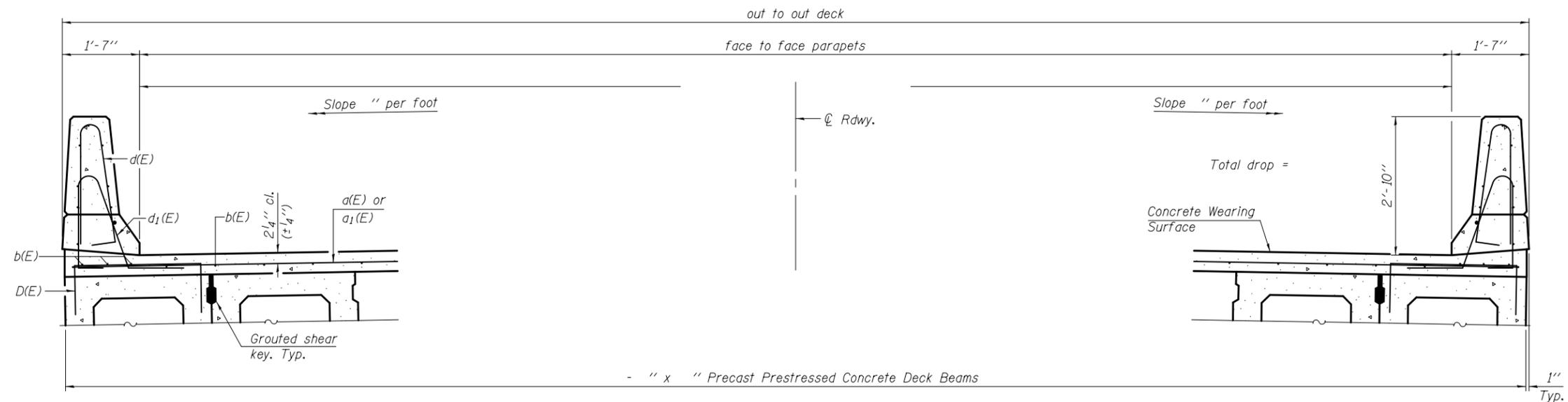
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		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE =	REVISD -								
		PLOT DATE =	CHECKED -								



PLAN

SECTION A-A
(Dimensions are at Rt. L's)

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)

SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP
#4 bar = 2'-2"

PDS-M-F-R

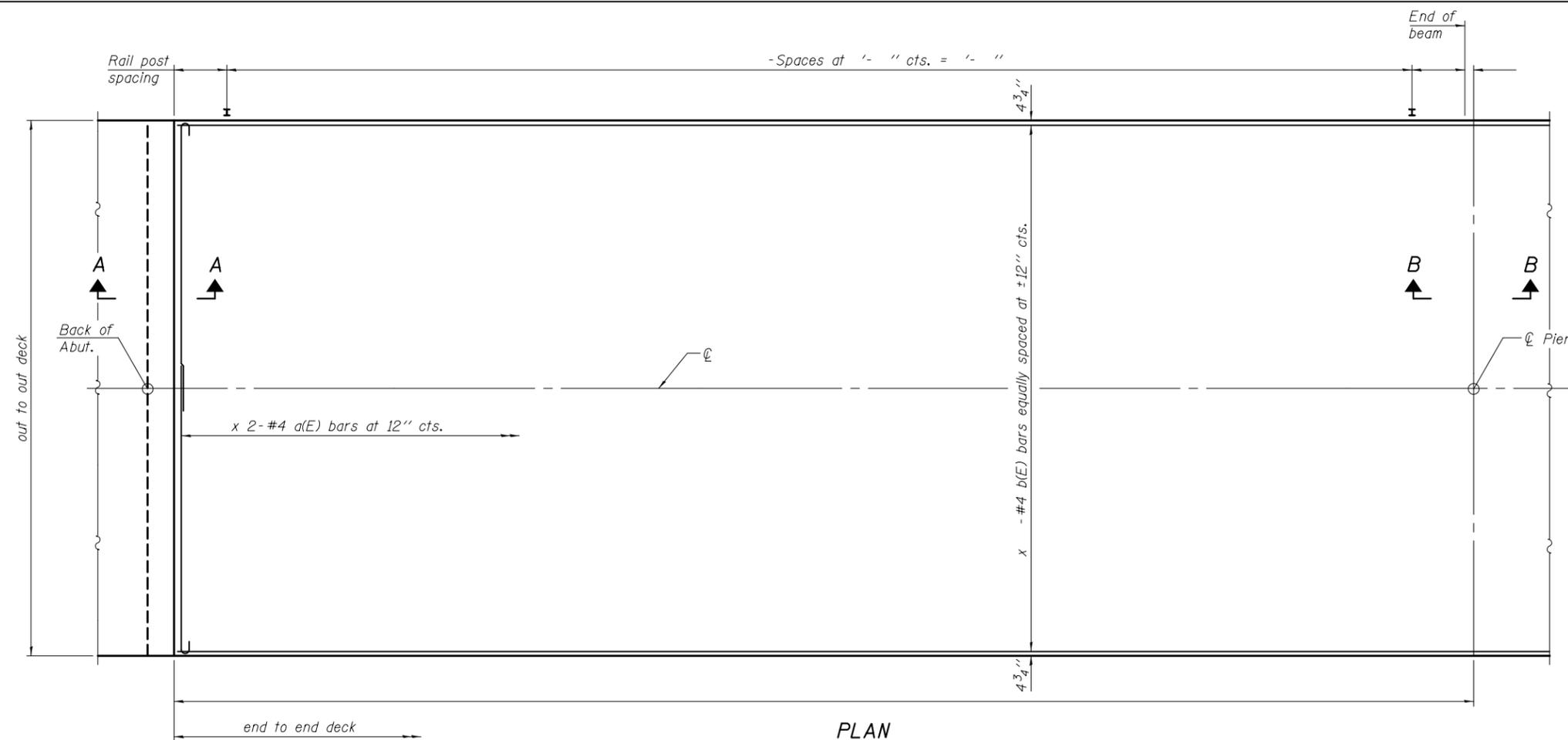
6-8-15

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

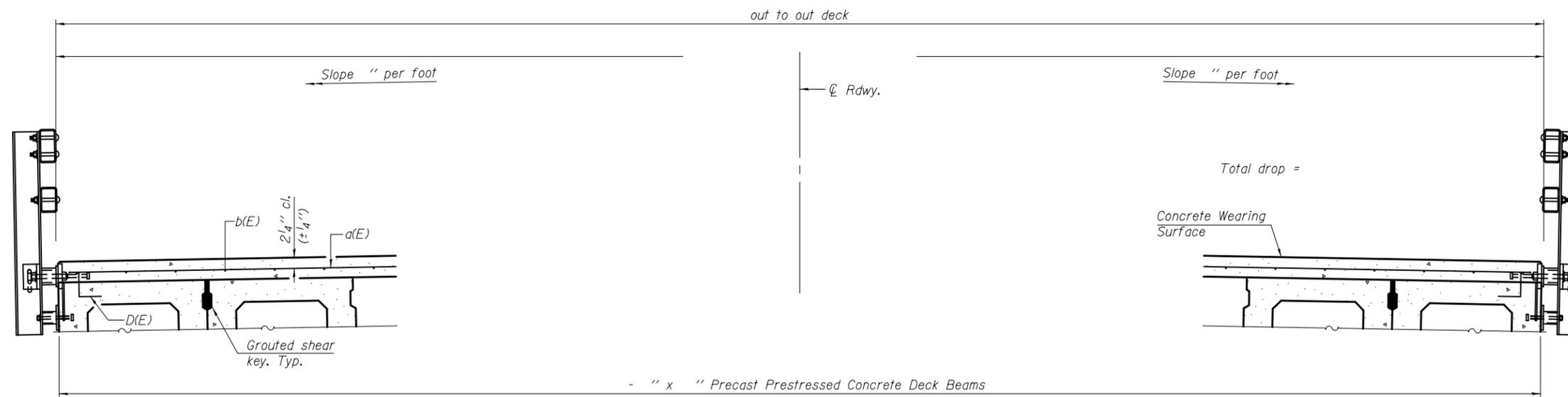
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				



PLAN

SECTION A-A

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)

SECTION B-B

*1\"/>

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-M-R34-0

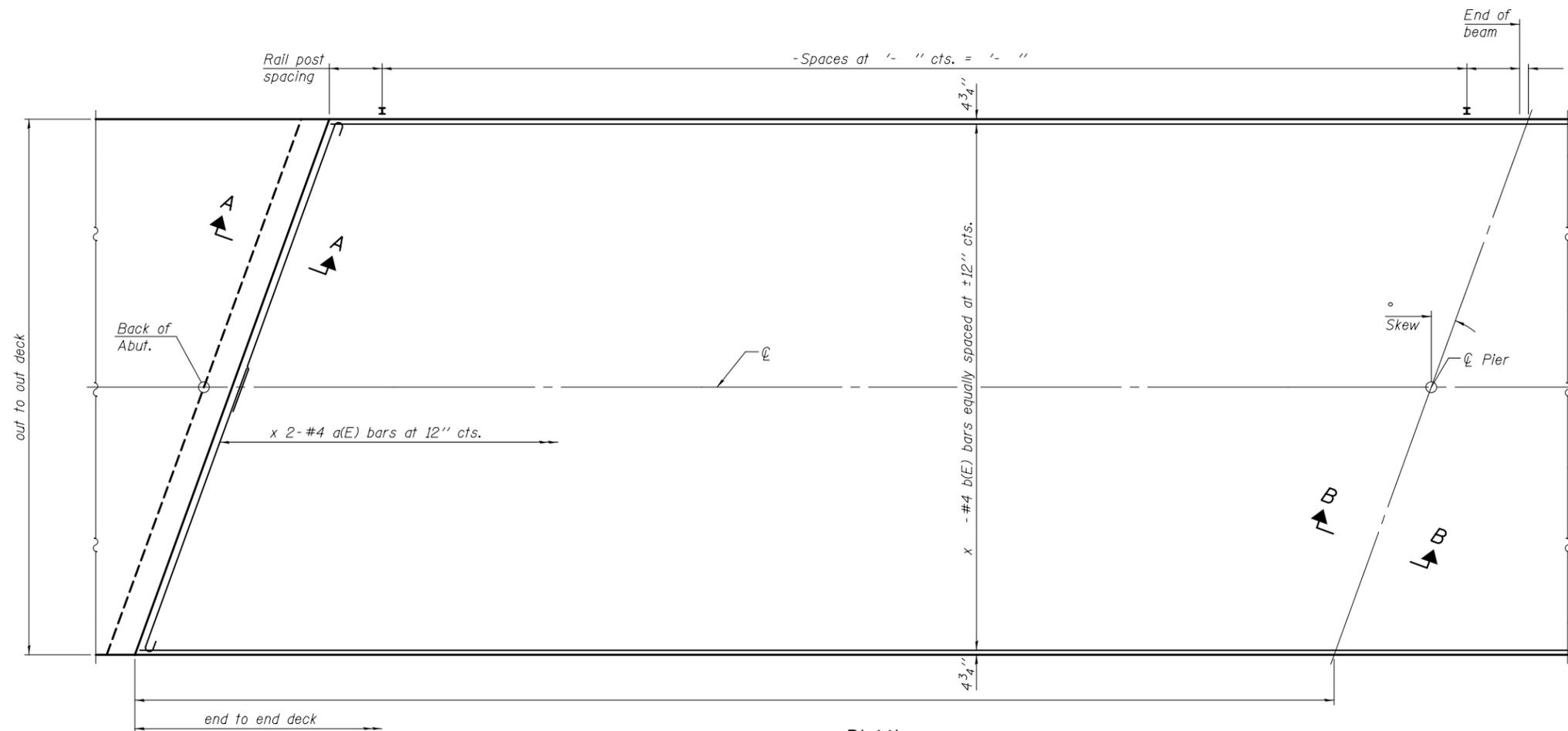
6-8-15

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

SUPERSTRUCTURE
STRUCTURE NO.

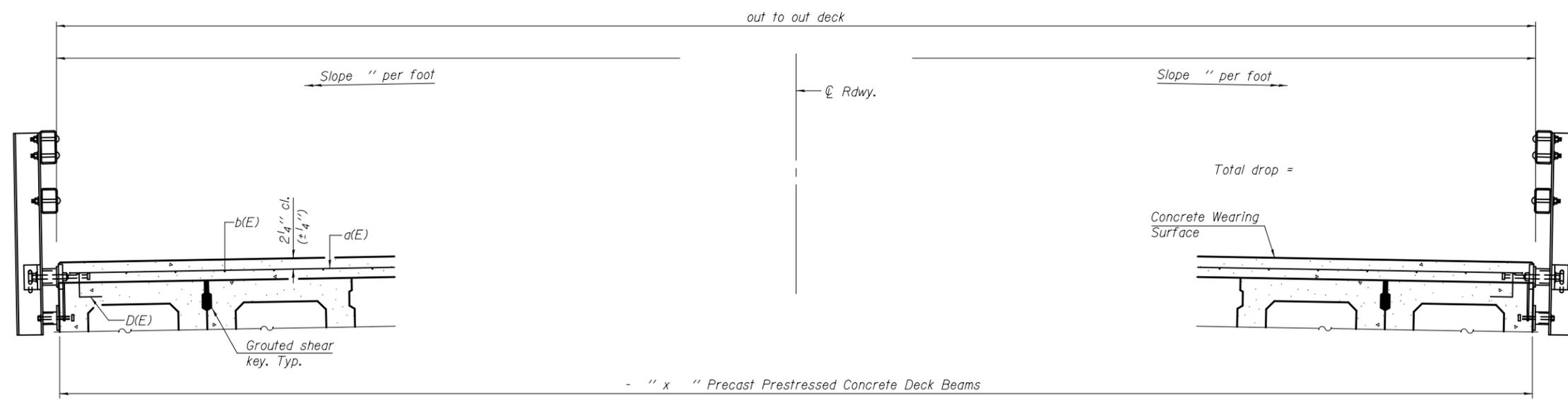
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



SECTION A-A

(Dimensions are at Rt. L's)

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



SECTION B-B

(Dimensions are at Rt. L's)

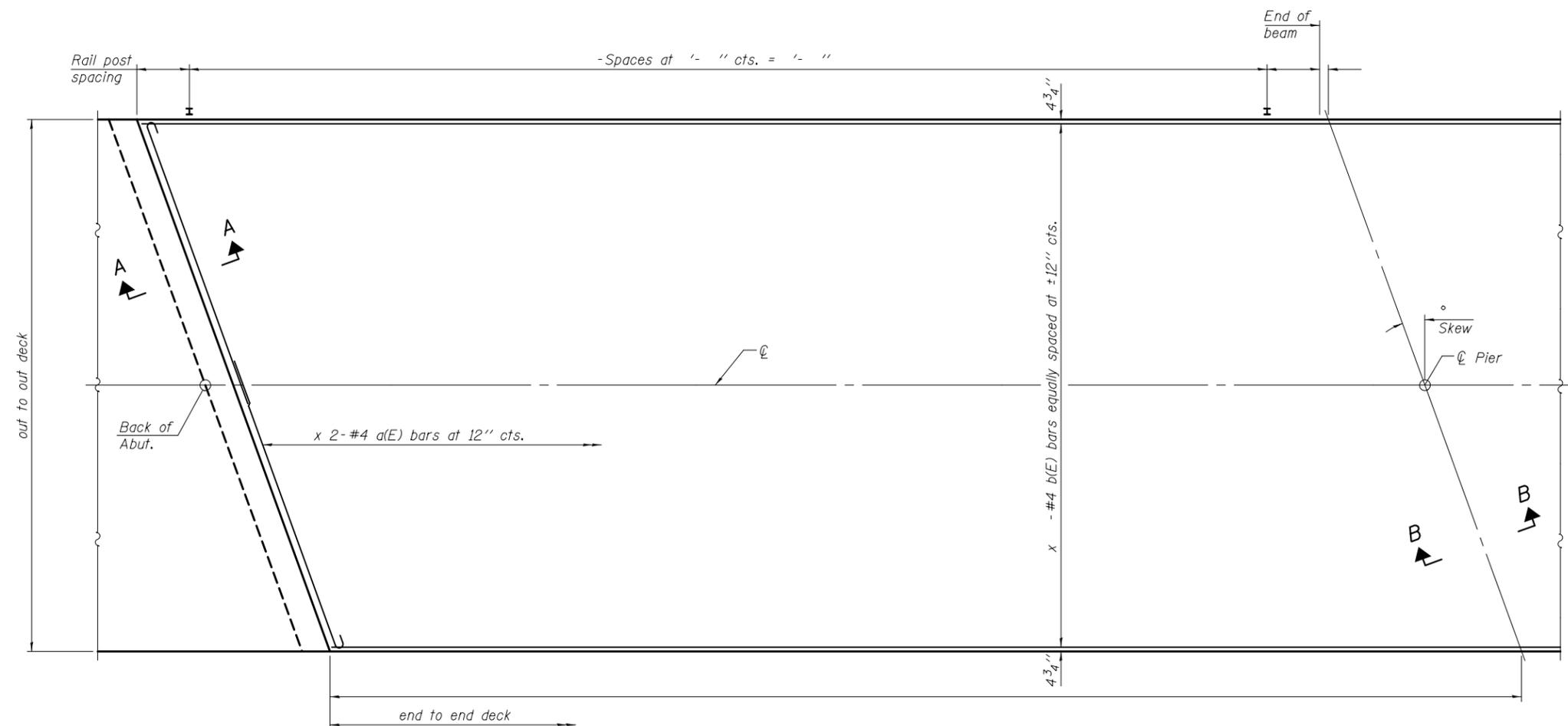
*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) bars shall be measured along the ∅ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-M-R34-L 6-8-15

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

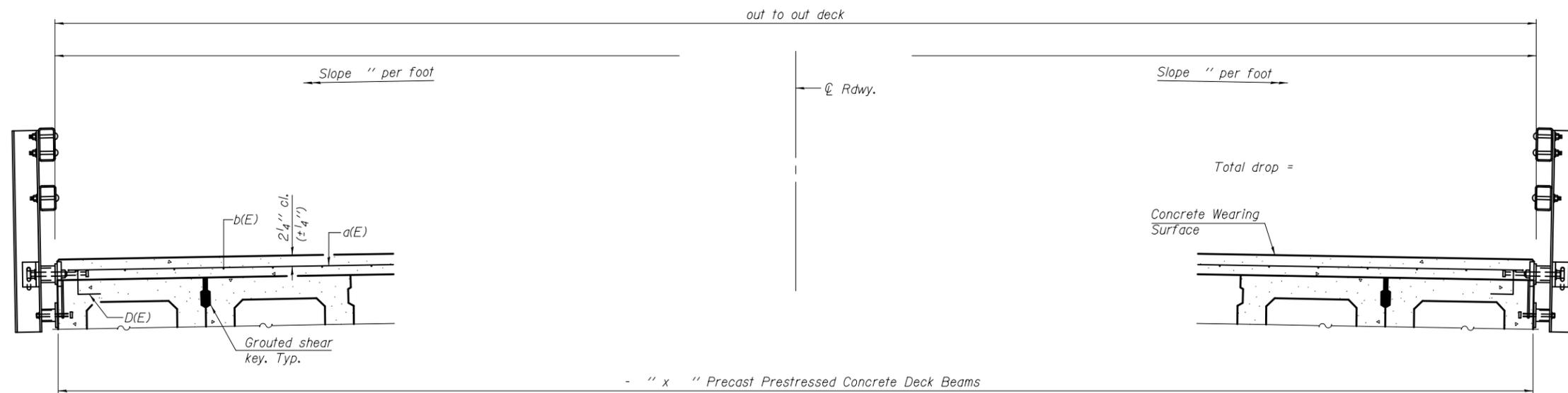
SECTION A-A

(Dimensions are at Rt. L's)

Notes:

All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.

See sheet of for fabric bearing pad details.



CROSS SECTION

(Looking)

SECTION B-B

(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:

See sheet of for Superstructure Details and Bill of Material.

Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

Spacing of a(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP

#4 bar = 2'-2"

PDS-M-R34-R

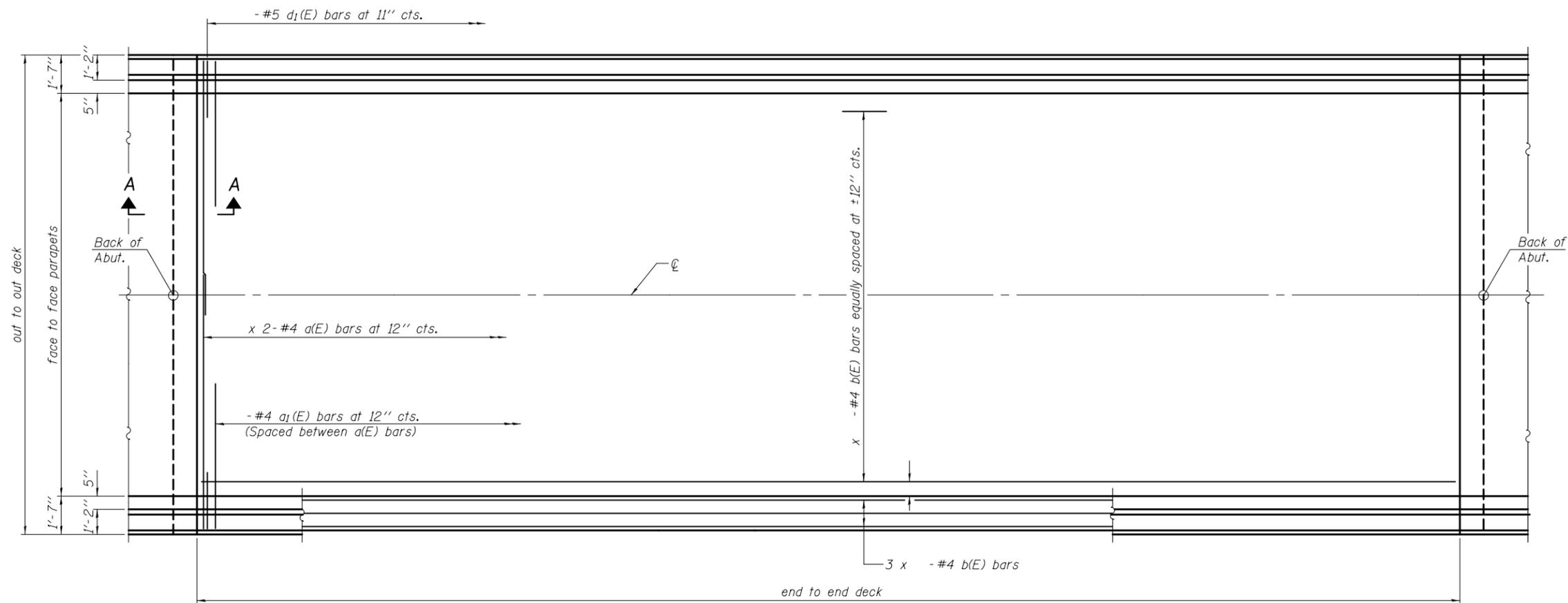
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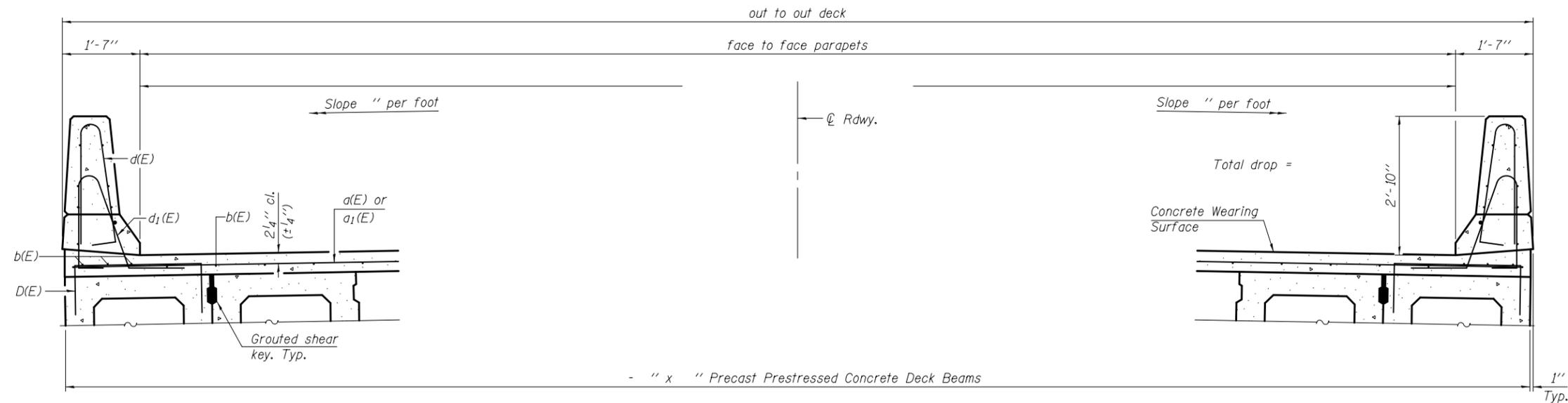
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO.**

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



PLAN



CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
#4 bar = 2'-2"

SECTION A-A

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.

PDS-S-F-0

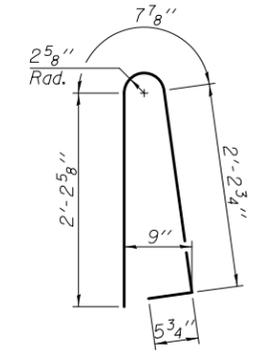
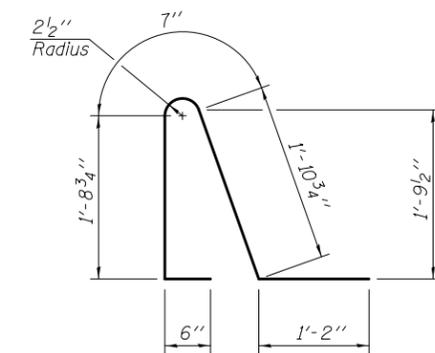
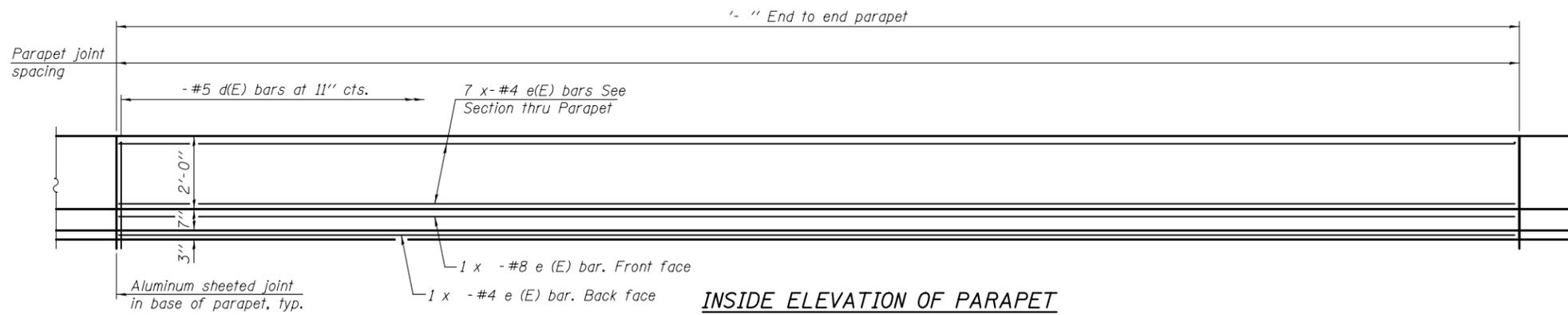
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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

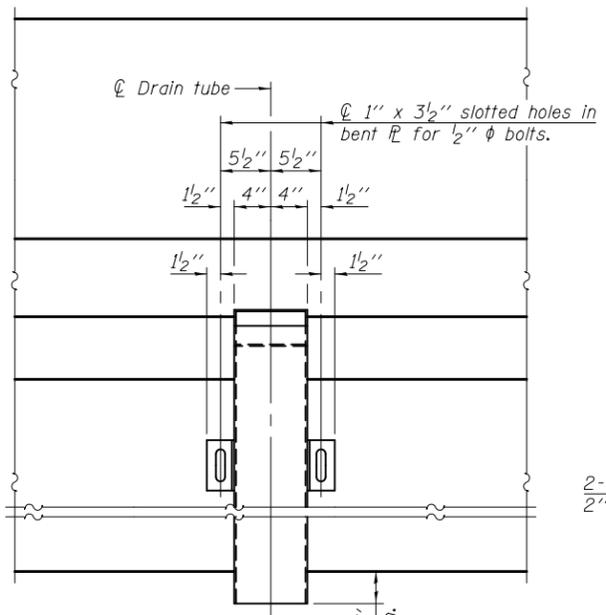


BAR d₁(E)

BAR d(E)

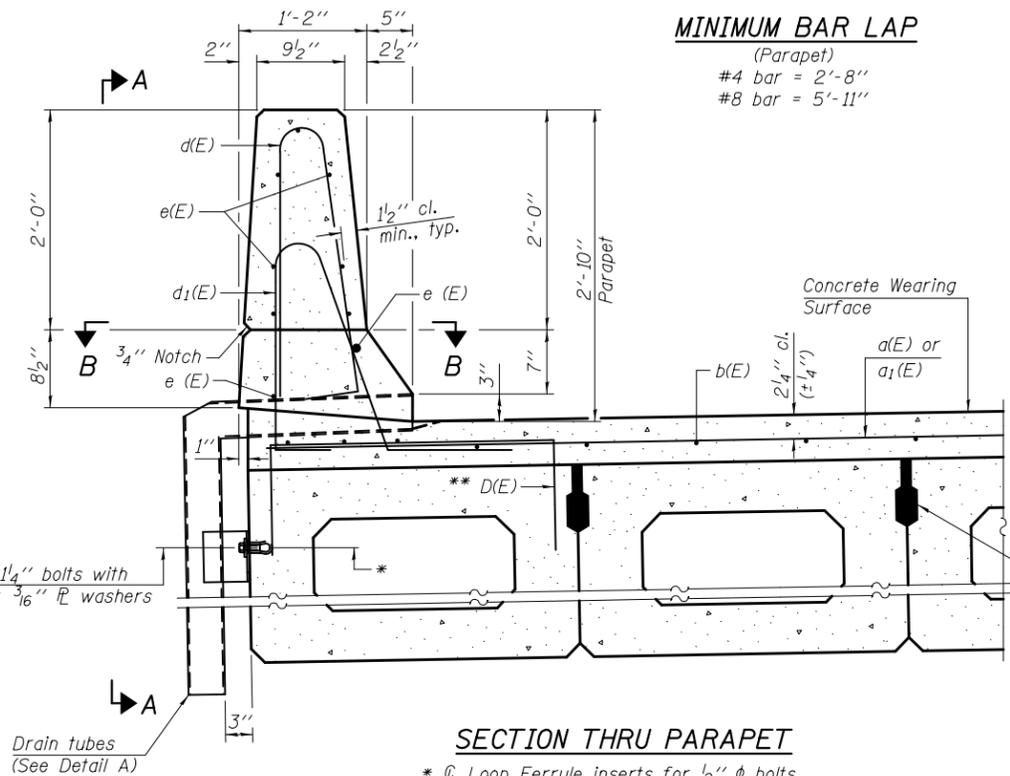
MINIMUM BAR LAP
(Parapet)

#4 bar = 2'-8"
#8 bar = 5'-11"



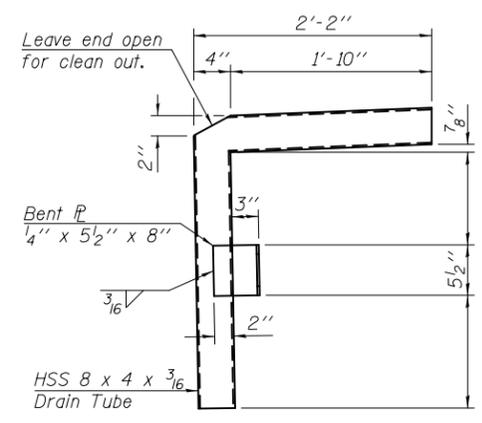
VIEW A-A

Note:
All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.

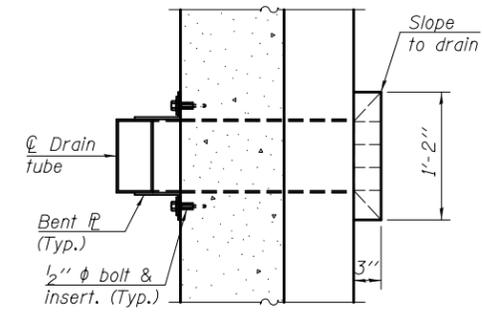


SECTION THRU PARAPET

* Loop Ferrule inserts for 1/2" phi bolts. Place at center of beam depth.
** Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.



DETAIL A

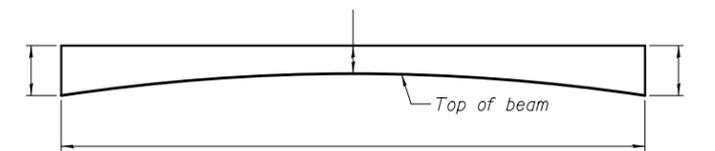


SECTION B-B

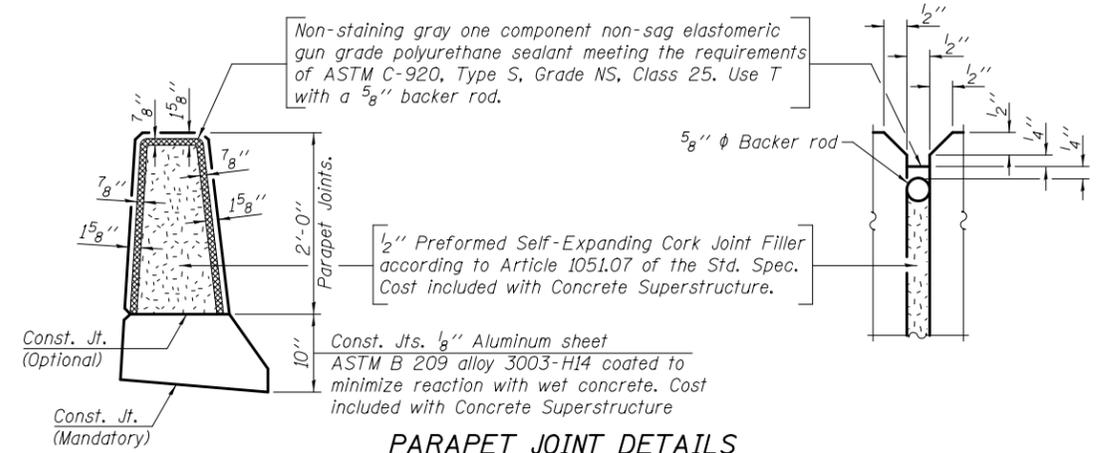
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#4		—
a ₁ (E)		#4	6'-0"	—
b(E)		#4		—
d(E)		#5	5'-7"	⏏
d ₁ (E)		#5	5'-11"	⏏
e(E)		#4		—
e(E)		#8		—
e(E)		#4		—
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Superstructure			Cu. Yd.	
Concrete Wearing Surface, 5"			Sq. Yd.	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.



ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)



PARAPET JOINT DETAILS

PDS-S-F-D

6-8-15

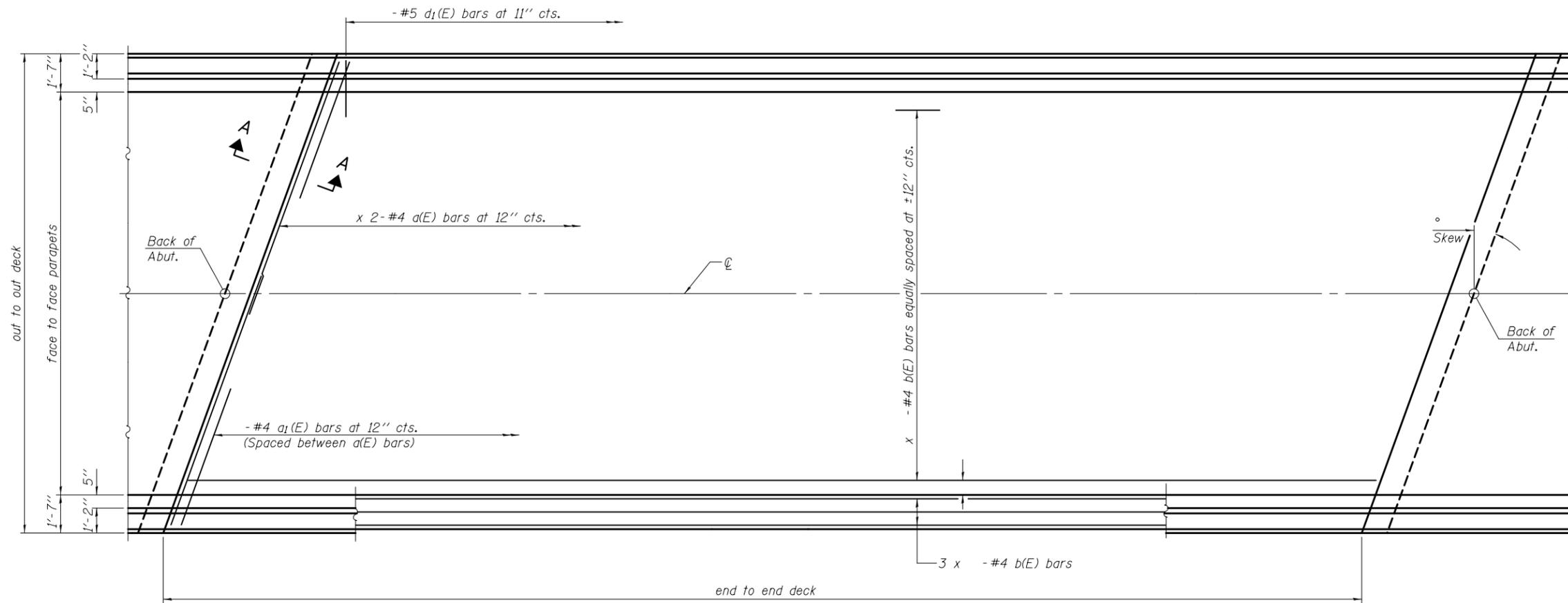
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

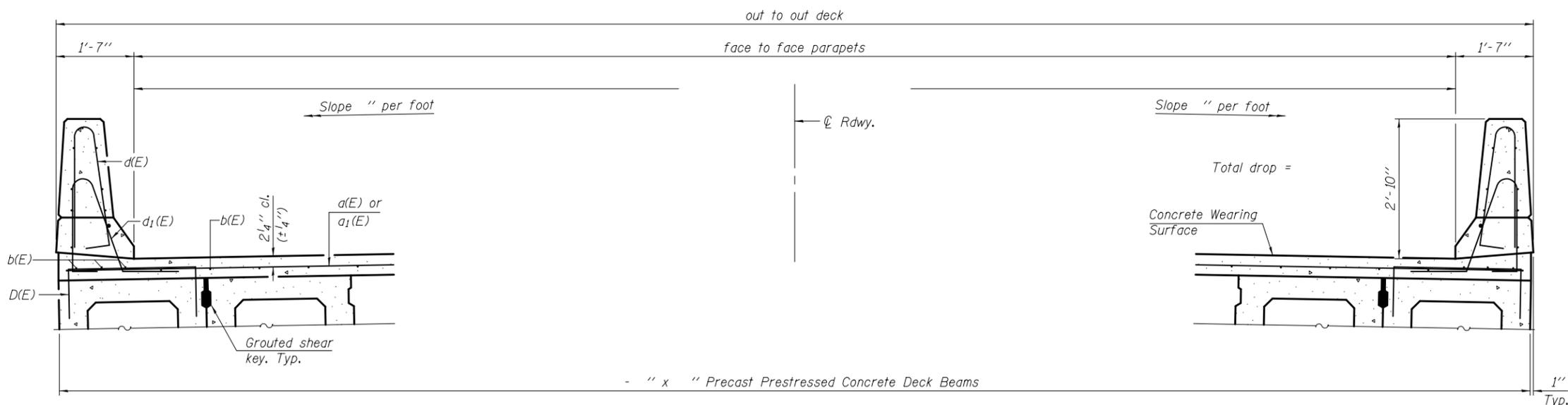
SUPERSTRUCTURE DETAILS
STRUCTURE NO.

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

ILLINOIS FED. AID PROJECT



PLAN



CROSS SECTION
(Looking)

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc, indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-2"

SECTION A-A
 (Dimensions are at Rt. L's)
 Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.

PDS-S-F-L

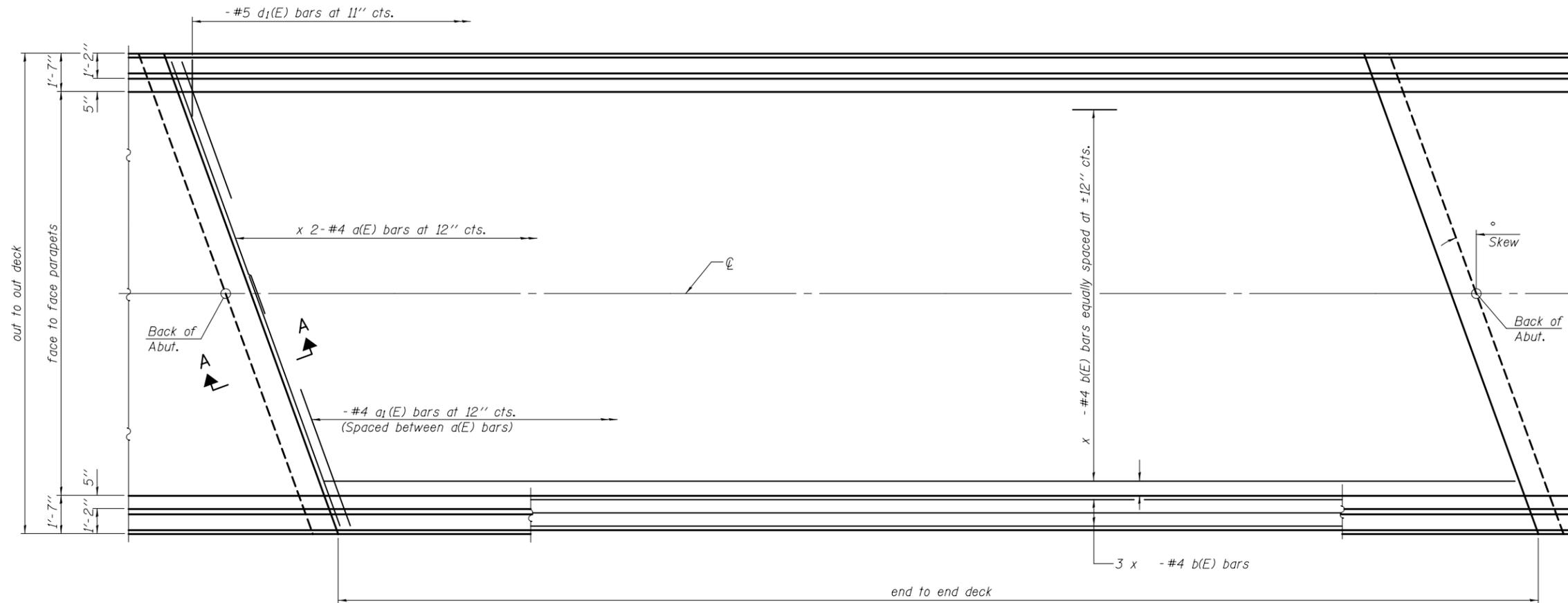
6-8-15

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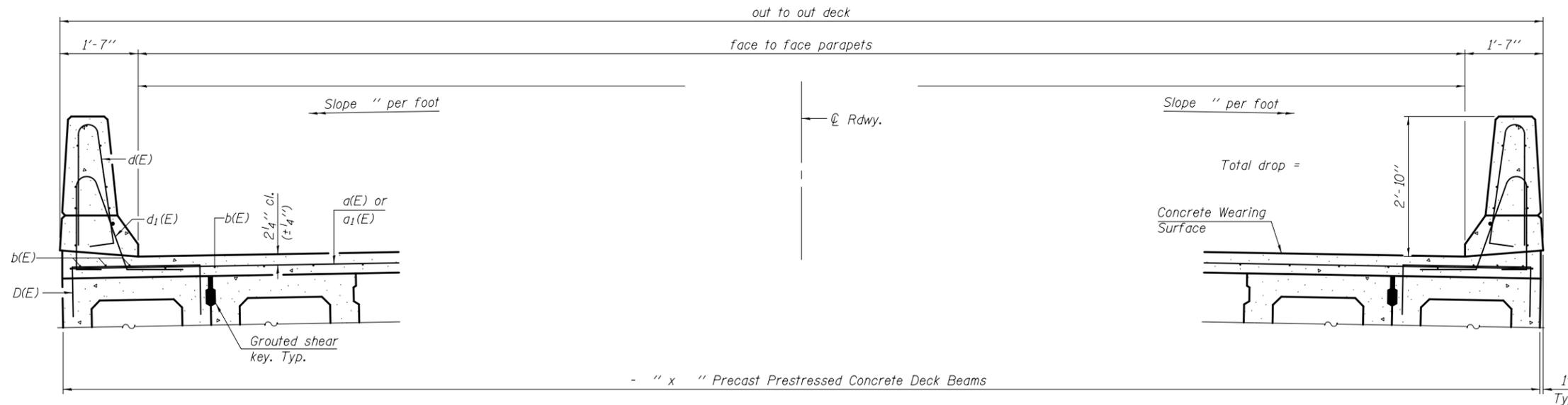
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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



PLAN



CROSS SECTION
(Looking)

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc, indicates 20 lines of bars with 2 lengths per line.
 Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.

MINIMUM BAR LAP
 #4 bar = 2'-2"

SECTION A-A

(Dimensions are at Rt. L's)

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.

PDS-S-F-R

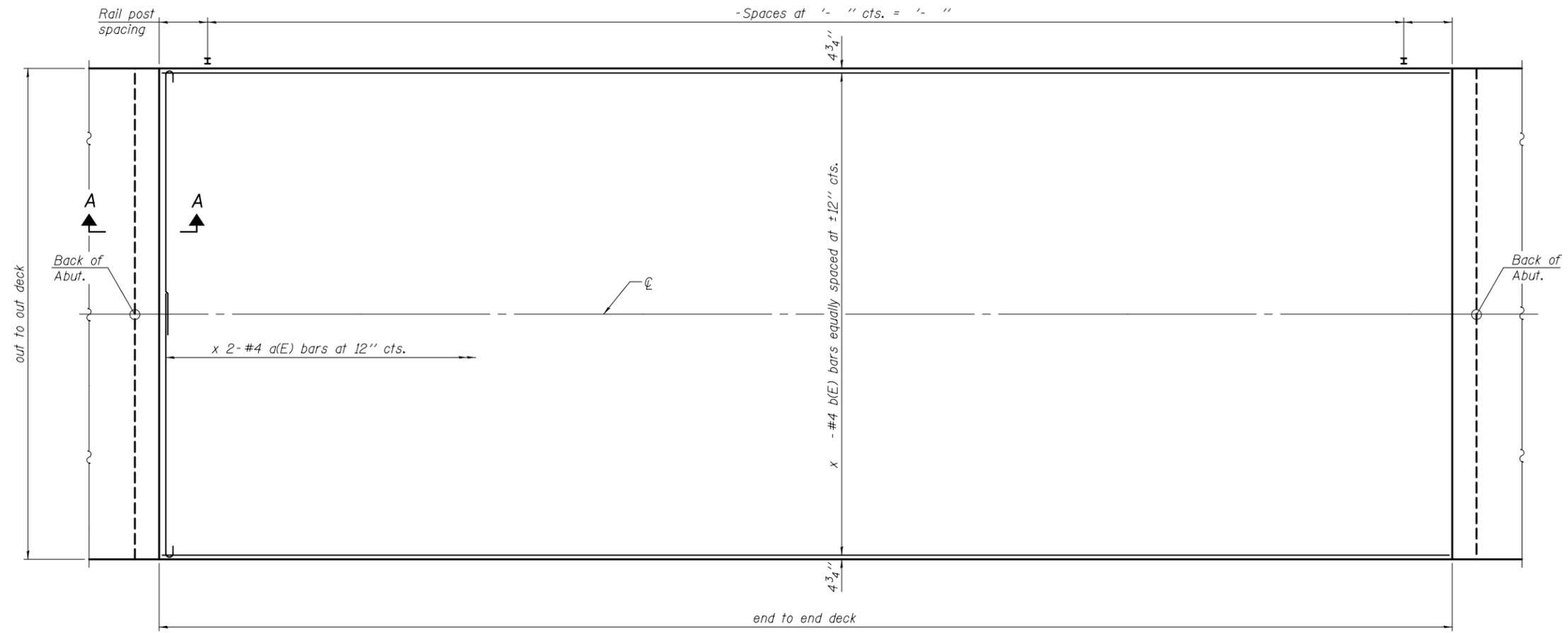
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

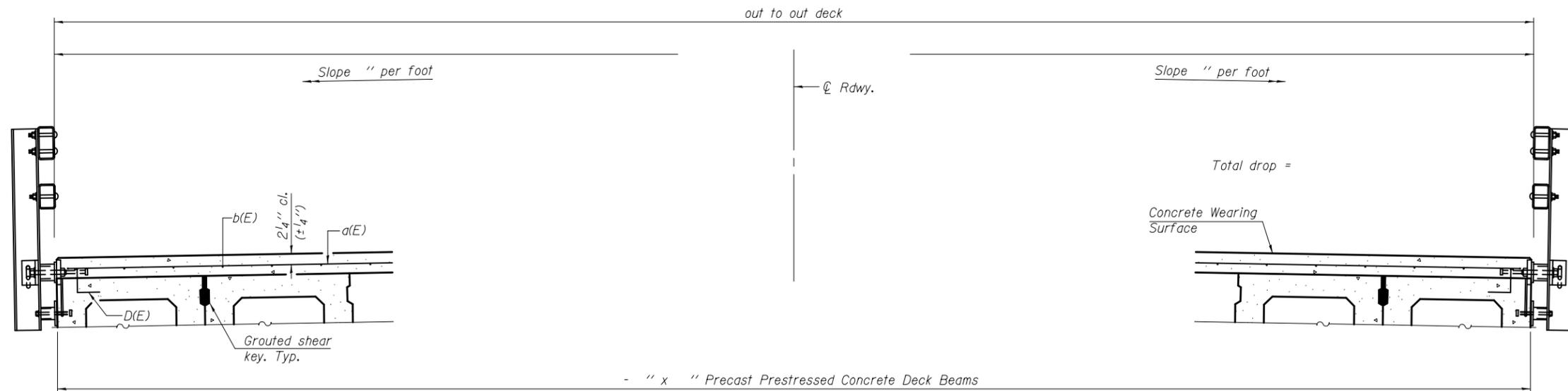
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PLAN

SECTION A-A

Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.



CROSS SECTION
(Looking)

Notes:
 See sheet of for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-S-R34-0

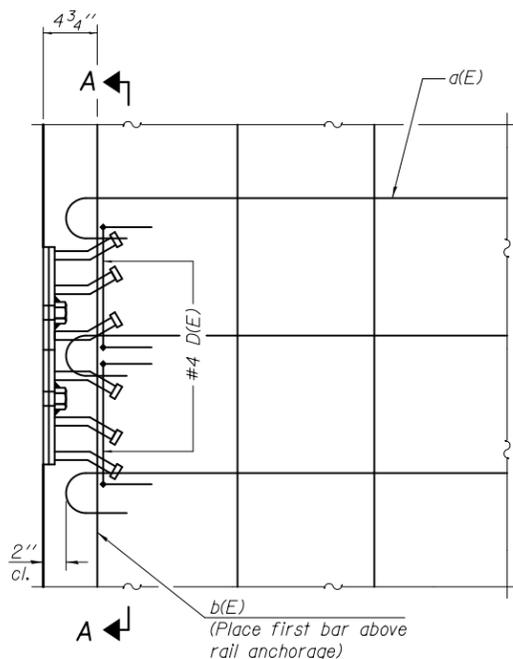
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

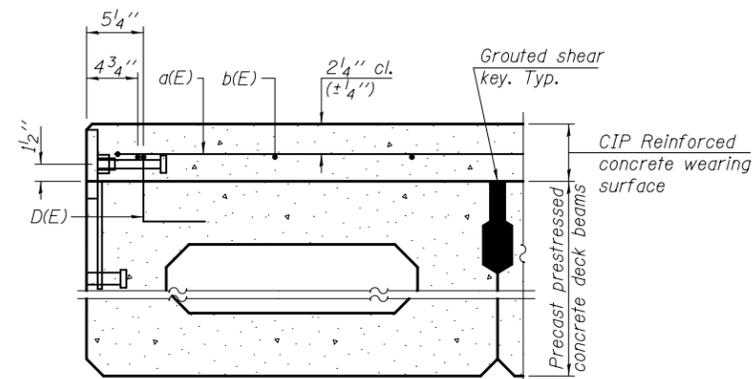
SUPERSTRUCTURE
STRUCTURE NO.

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

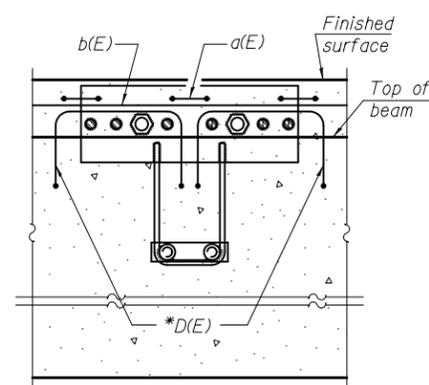


PLAN

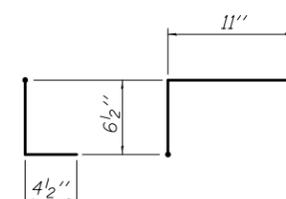
Notes:
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.



SECTION THRU FASCIA BEAM

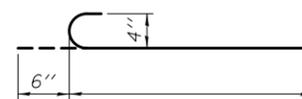


SECTION A-A

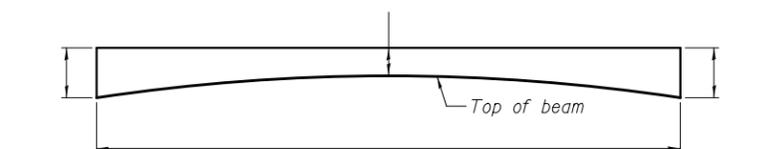


BAR D(E)

* Place 2- #4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.



BAR a(E)



ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)		#4		
b(E)		#4		
Reinforcement Bars, Epoxy Coated			Pound	
Concrete Wearing Surface, 5"			Sq. Yd.	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.

PDS-S-R34-D

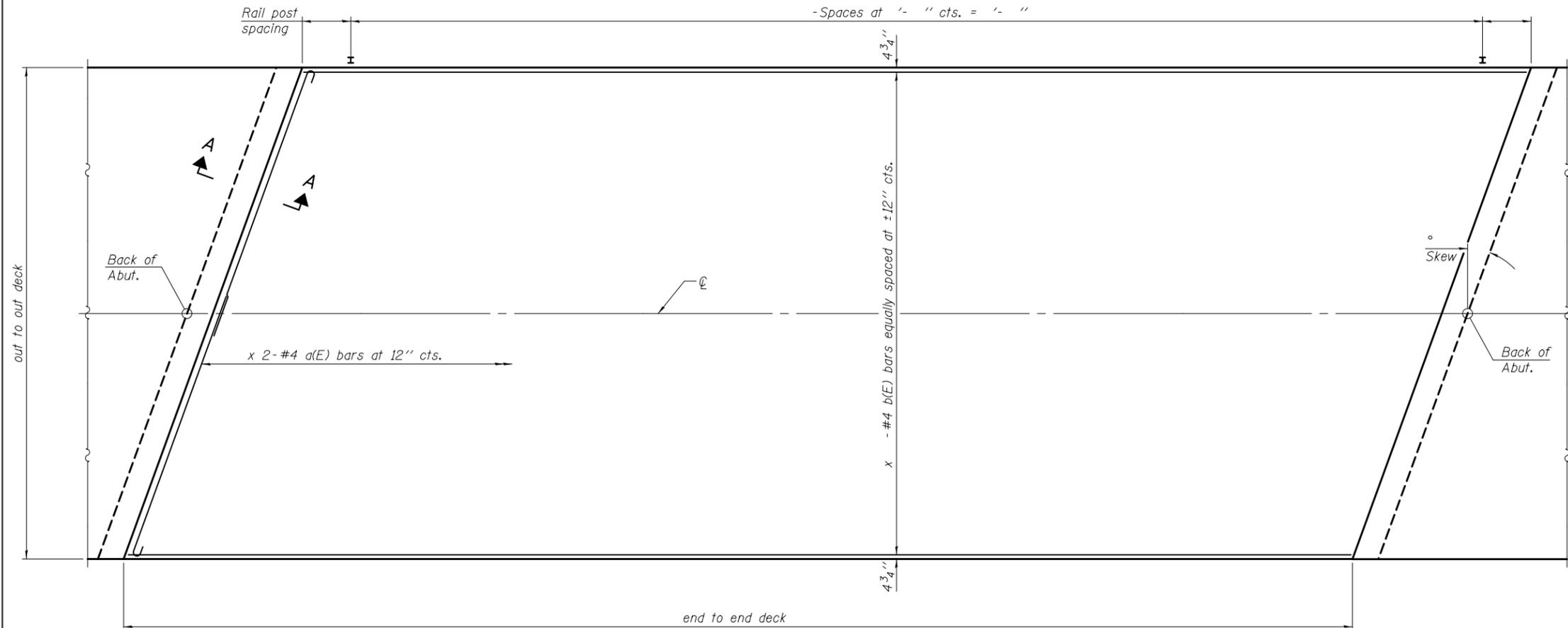
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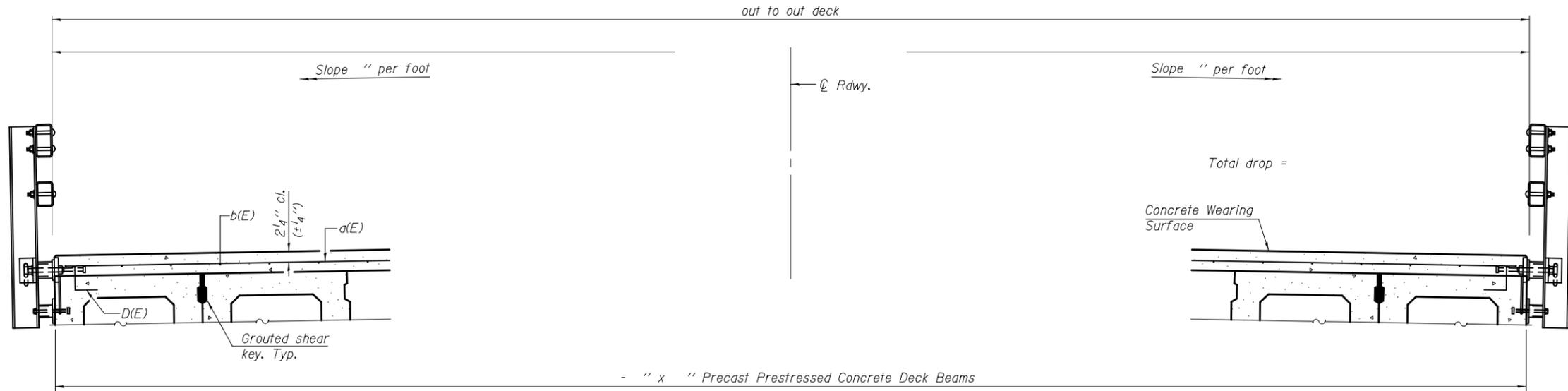
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO.**

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



PLAN



CROSS SECTION
(Looking)

Notes:
See sheet of for Superstructure Details and Bill of Material.
Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
Spacing of a(E) bars shall be measured along the ℄ of structure.

MINIMUM BAR LAP
#4 bar = 2'-2"

SECTION A-A

(Dimensions are at Rt. L's)

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet of for fabric bearing pad details.

PDS-S-R34-L

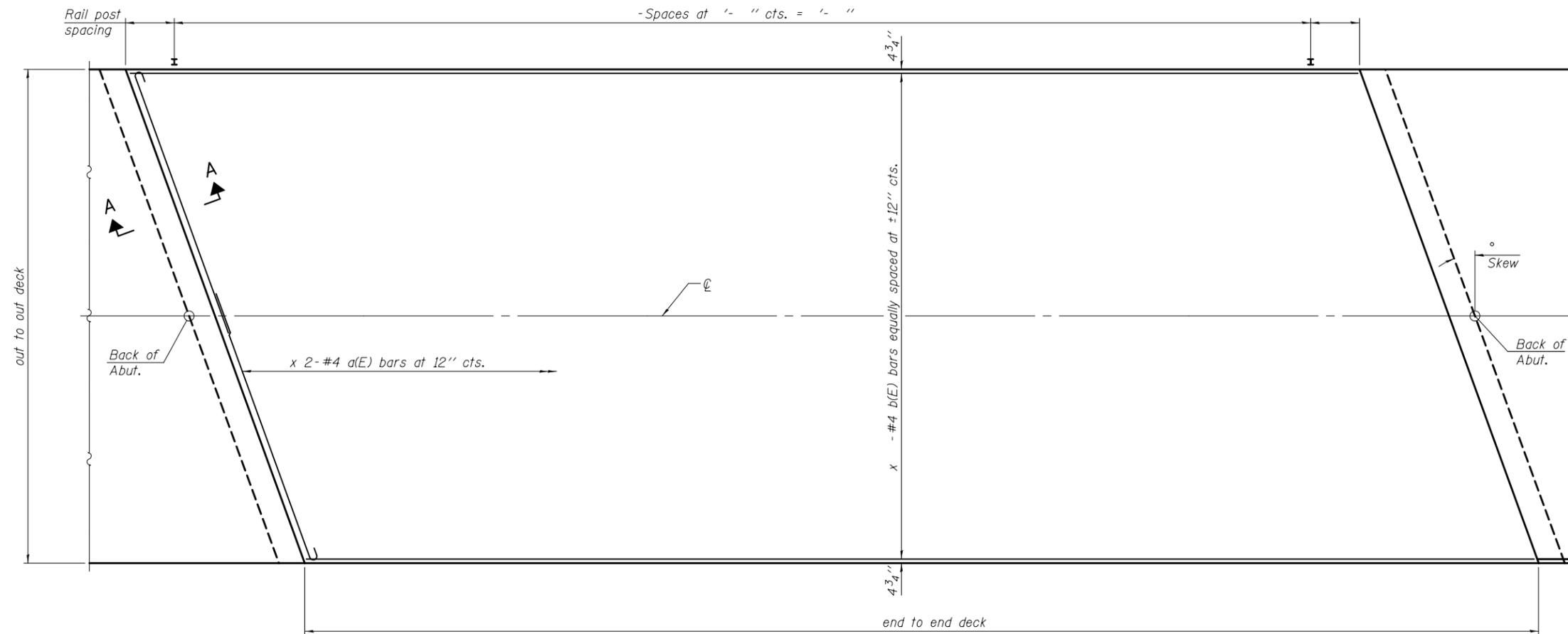
6-8-15

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

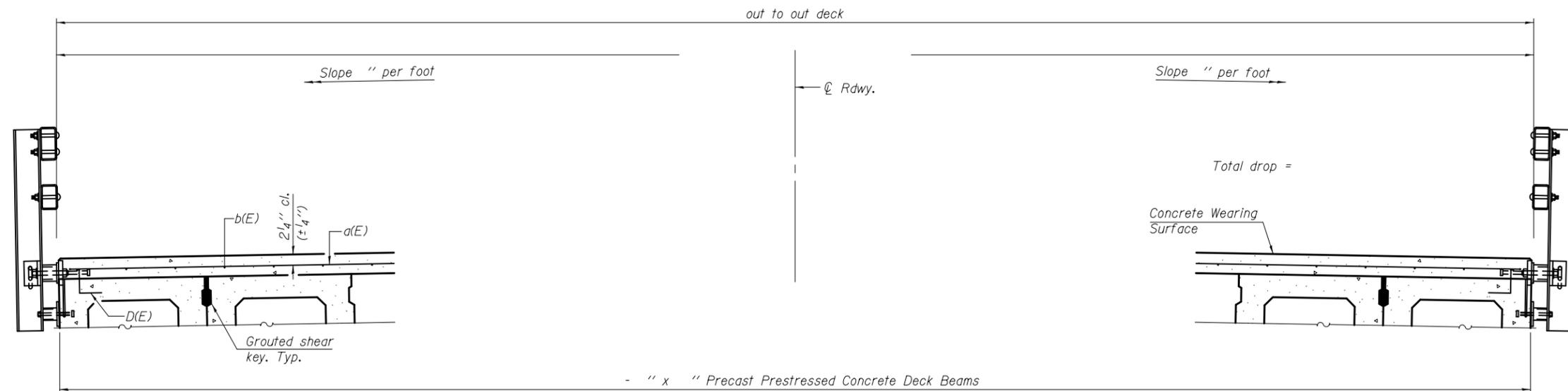
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

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



PLAN



CROSS SECTION
(Looking)

SECTION A-A

(Dimensions are at Rt. L's)
 Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.

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 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.
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MINIMUM BAR LAP
 #4 bar = 2'-2"

PDS-S-R34-R

6-8-15

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