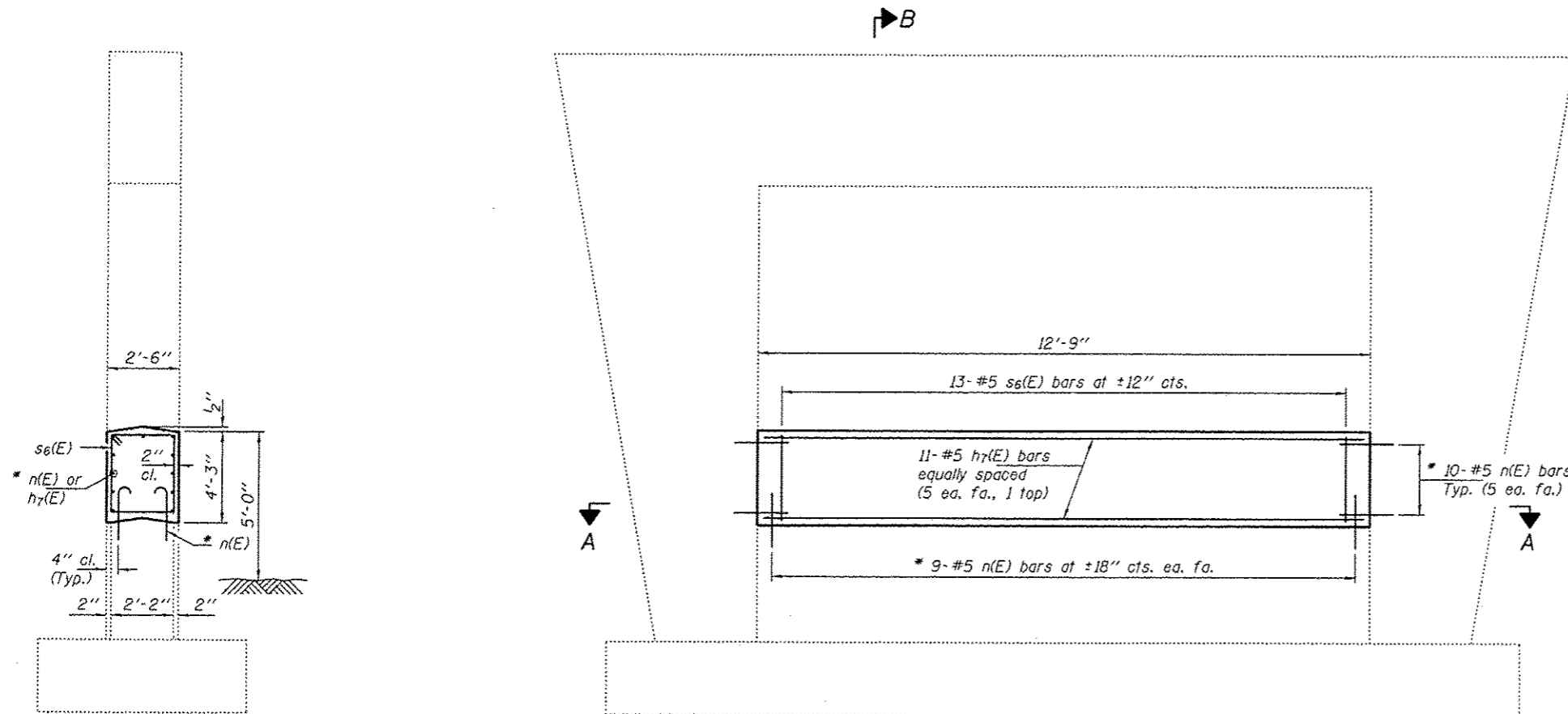


NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

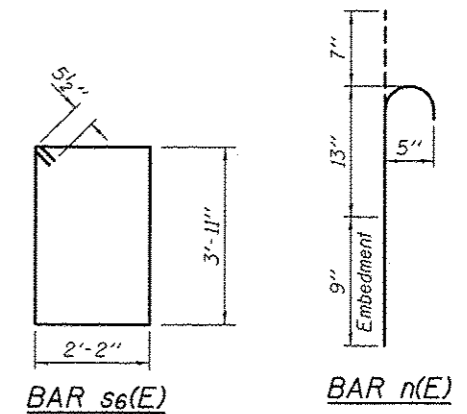


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A



BAR s6(E)

BAR n(E)

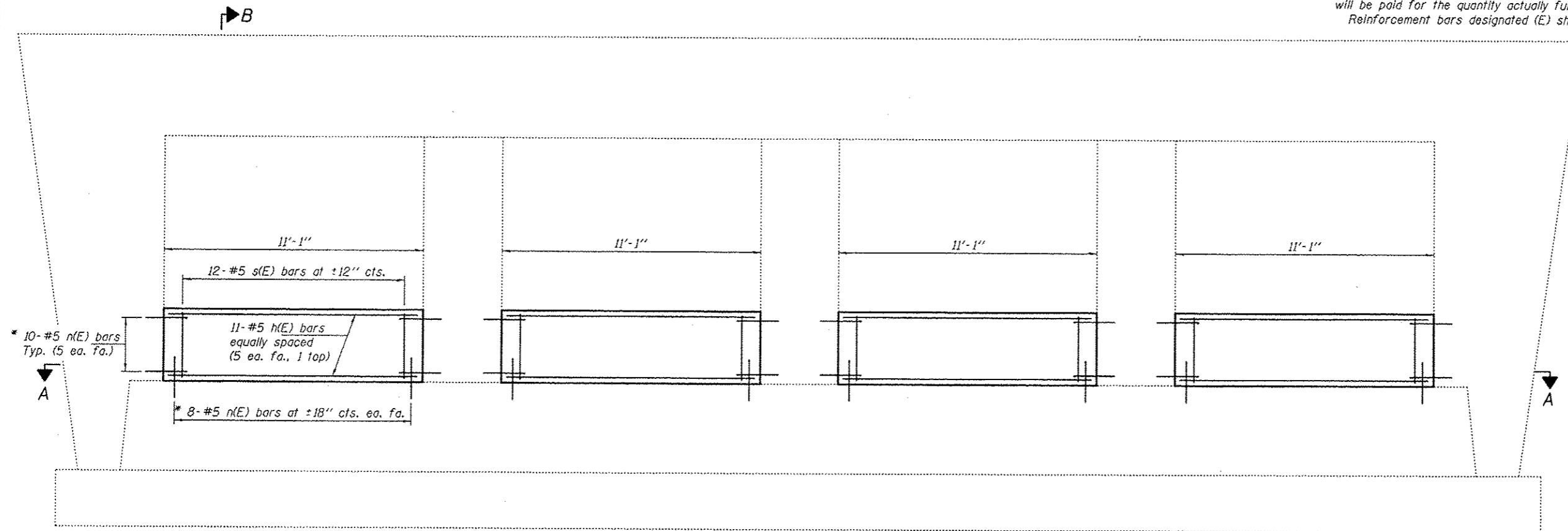
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h7(E)	11	#5	12'-5"	—
n(E)	38	#5	2'-5"	—
s6(E)	13	#5	13'-1"	□
Concrete Structures			Cu. Yd.	5.0
Reinforcement Bars, Epoxy Coated			Pound	420

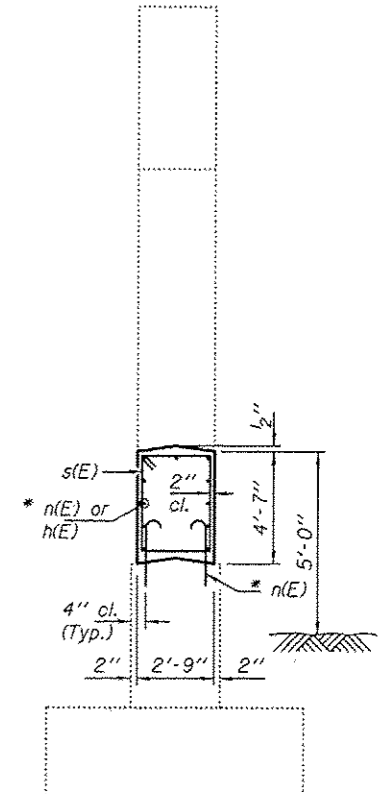


NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
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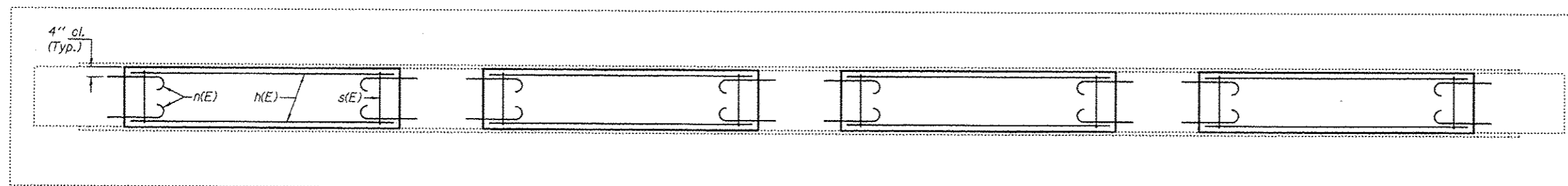


ELEVATION

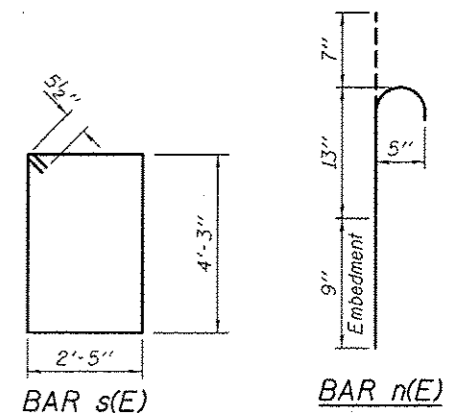


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



SECTION A-A



BAR s(E)

BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n(E)	44	#5	10'-9"	—
n(E)	144	#5	2'-5"	—
s(E)	48	#5	14'-3"	□
Concrete Structures			Cu. Yd.	20.7
Reinforcement Bars, Epoxy Coated			Pound	1570



DESIGNED **DAB**
 CHECKED **ARS**
 DRAWN **baliva**
 CHECKED **DAB ARS**

EXAMINED **Timothy A. Dill**
 PASSED **David Carl Puzey**

DATE - **JUNE 5, 2012**
 REVISED **09/11/2012**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER CRASHWALL EXTENSION
052-0055

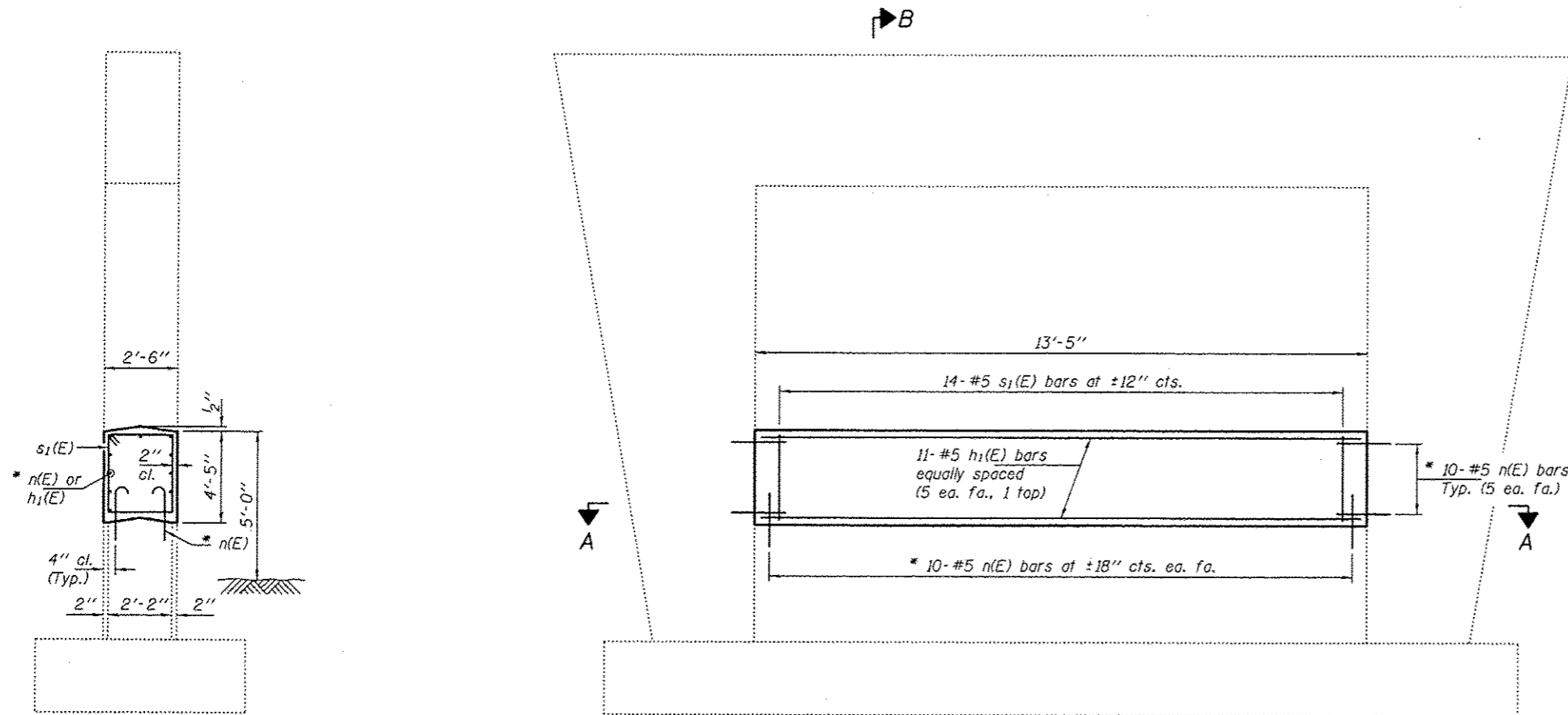
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	LEE	175	56

CONTRACT NO. 64H76
 ILLINOIS FED. AID PROJECT

SHEET NO. OF SHEETS

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

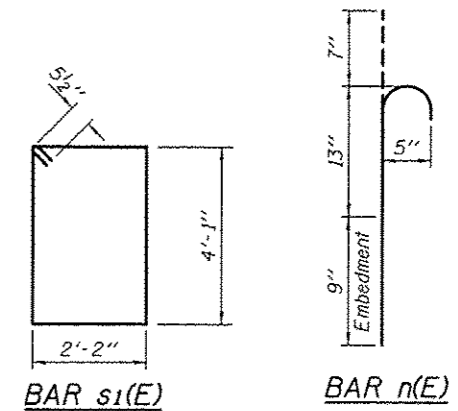


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A



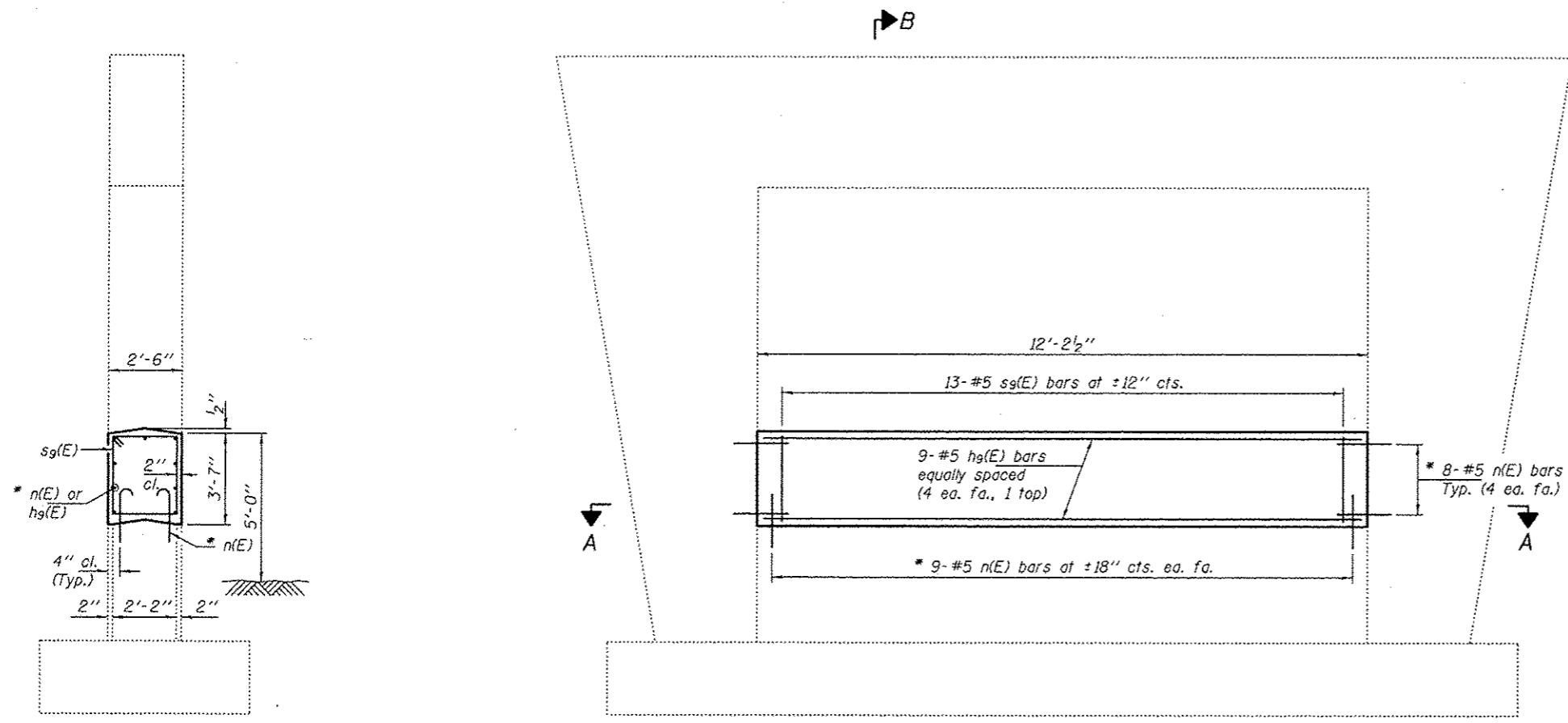
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	11	#5	13'-1"	—
n(E)	40	#5	2'-5"	U
s ₁ (E)	14	#5	13'-5"	□
Concrete Structures			Cu. Yd.	5.5
Reinforcement Bars, Epoxy Coated			Pound	450



NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.

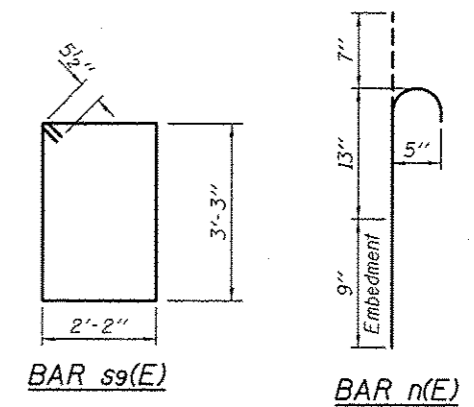


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A



BAR sg(E)

BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
hg(E)	9	#5	11'-10"	—
n(E)	34	#5	2'-5"	—
sg(E)	13	#5	11'-9"	□
Concrete Structures			Cu. Yd.	4.1
Reinforcement Bars, Epoxy Coated			Pound	360

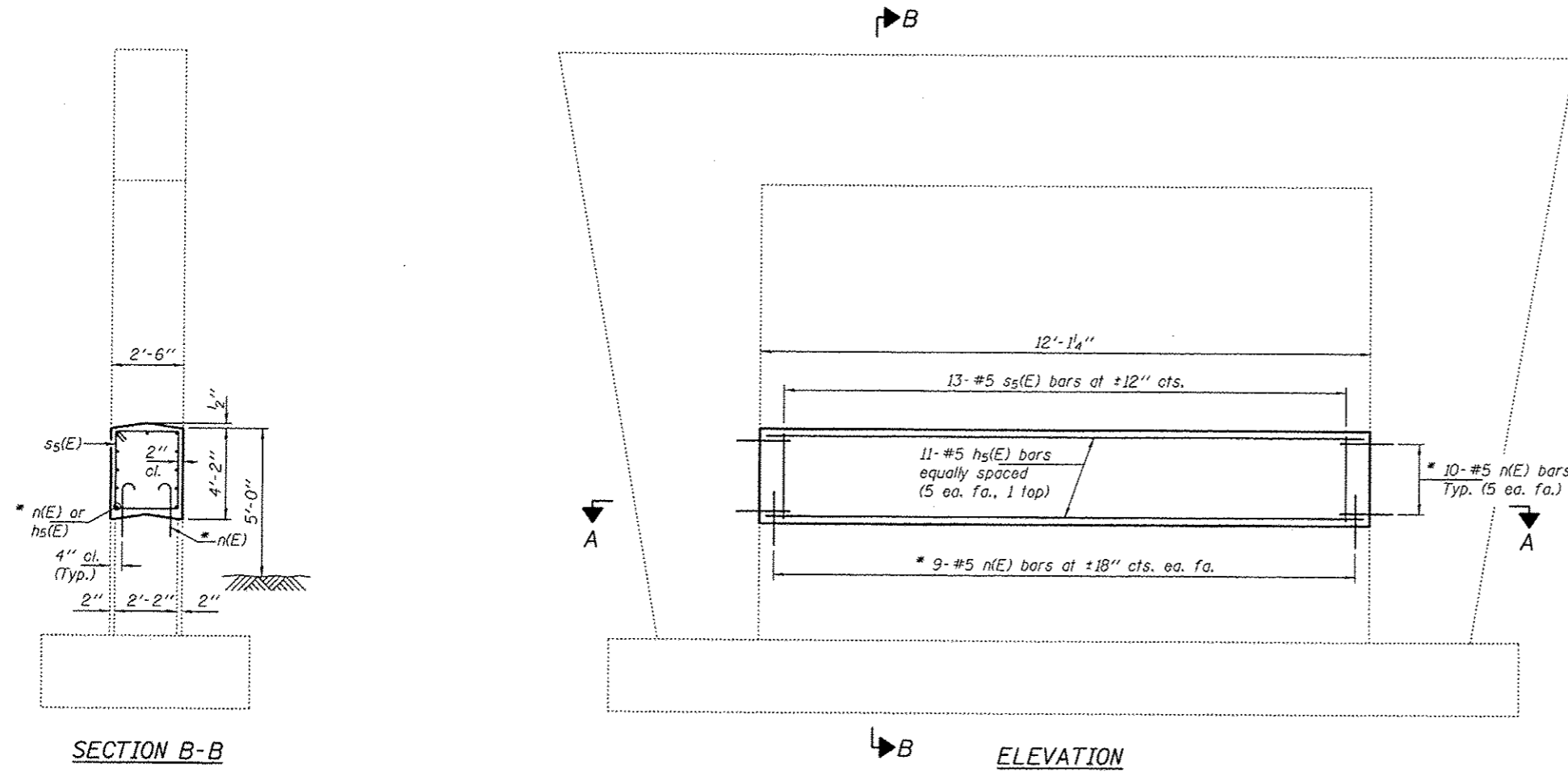


EXPIRES 11-30-2012

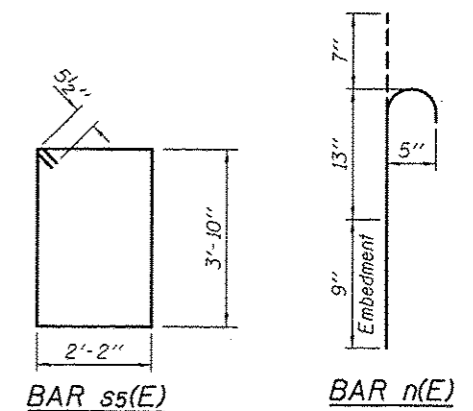
DESIGNED DAB	EXAMINED Tommy A. Puzey	DATE - JUNE 5, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER CRASHWALL EXTENSION 052-0051	F.A.I. RTE. 412	SECTION D2 SAFETY 2012-1	COUNTY LEE	TOTAL SHEETS 175	SHEET NO. 58
CHECKED ARS	PASSED D. Carl Puzey	REVISED 09/11/2012			SHEET NO. OF SHEETS		CONTRACT NO. 64HT6		
DRAWN baliva	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	ILLINOIS FED. AID PROJECT						

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.

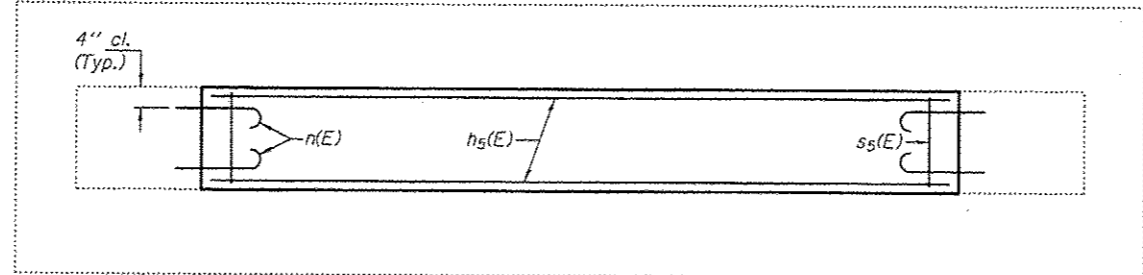


* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BILL OF MATERIAL

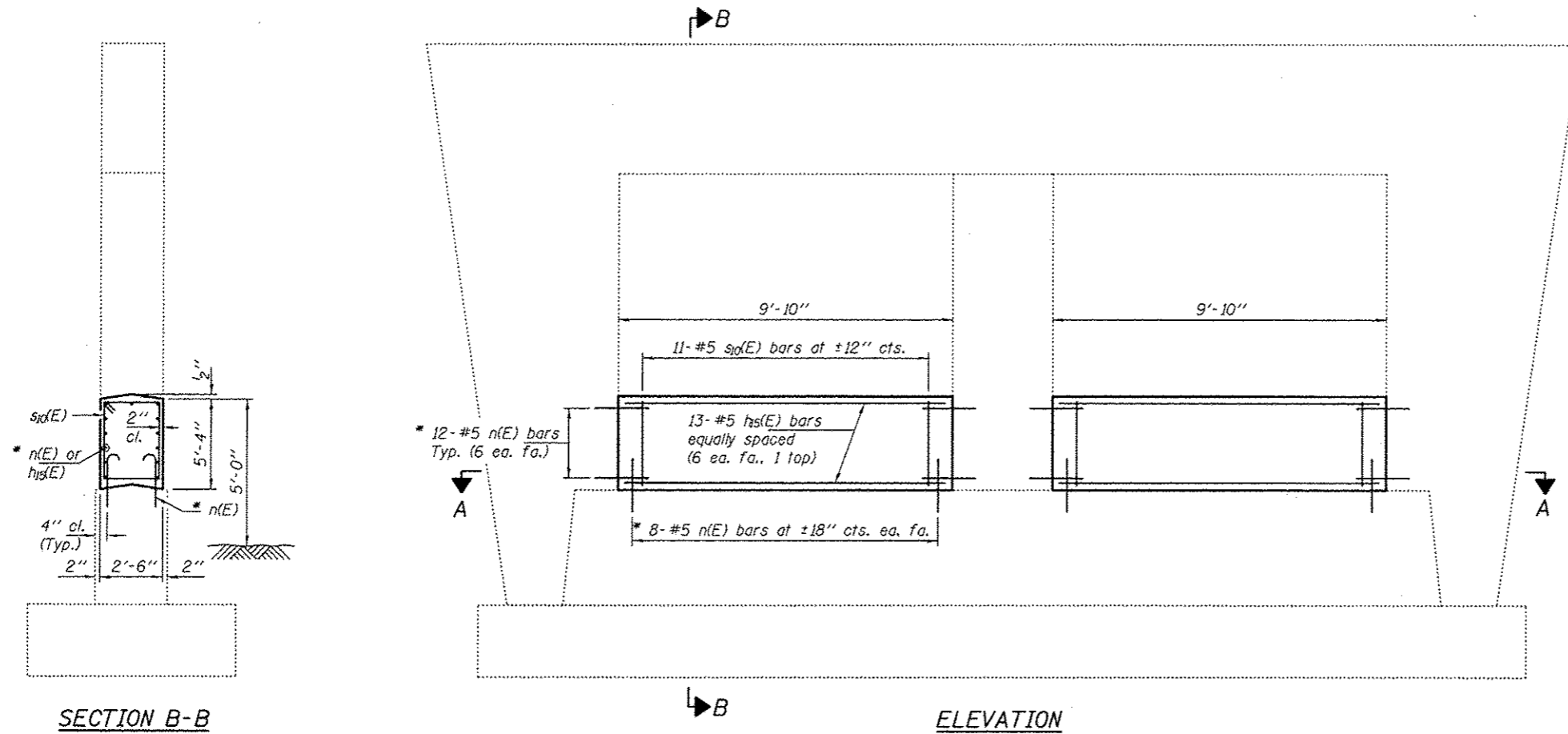
Bar	No.	Size	Length	Shape
hs(E)	11	#5	11'-9"	—
n(E)	38	#5	2'-5"	U
ss(E)	13	#5	12'-11"	□
Concrete Structures			Cu. Yd.	4.7
Reinforcement Bars, Epoxy Coated			Pound	410



SECTION A-A

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.

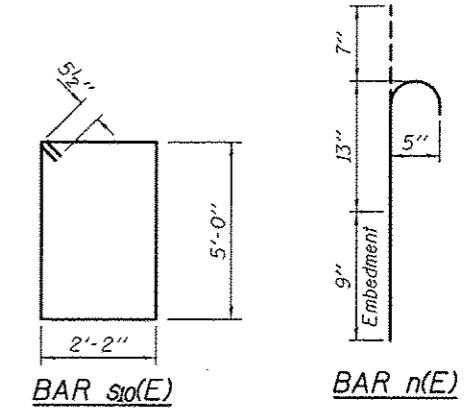


SECTION B-B

ELEVATION

SECTION A-A

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BAR sld(E)

BAR n(E)

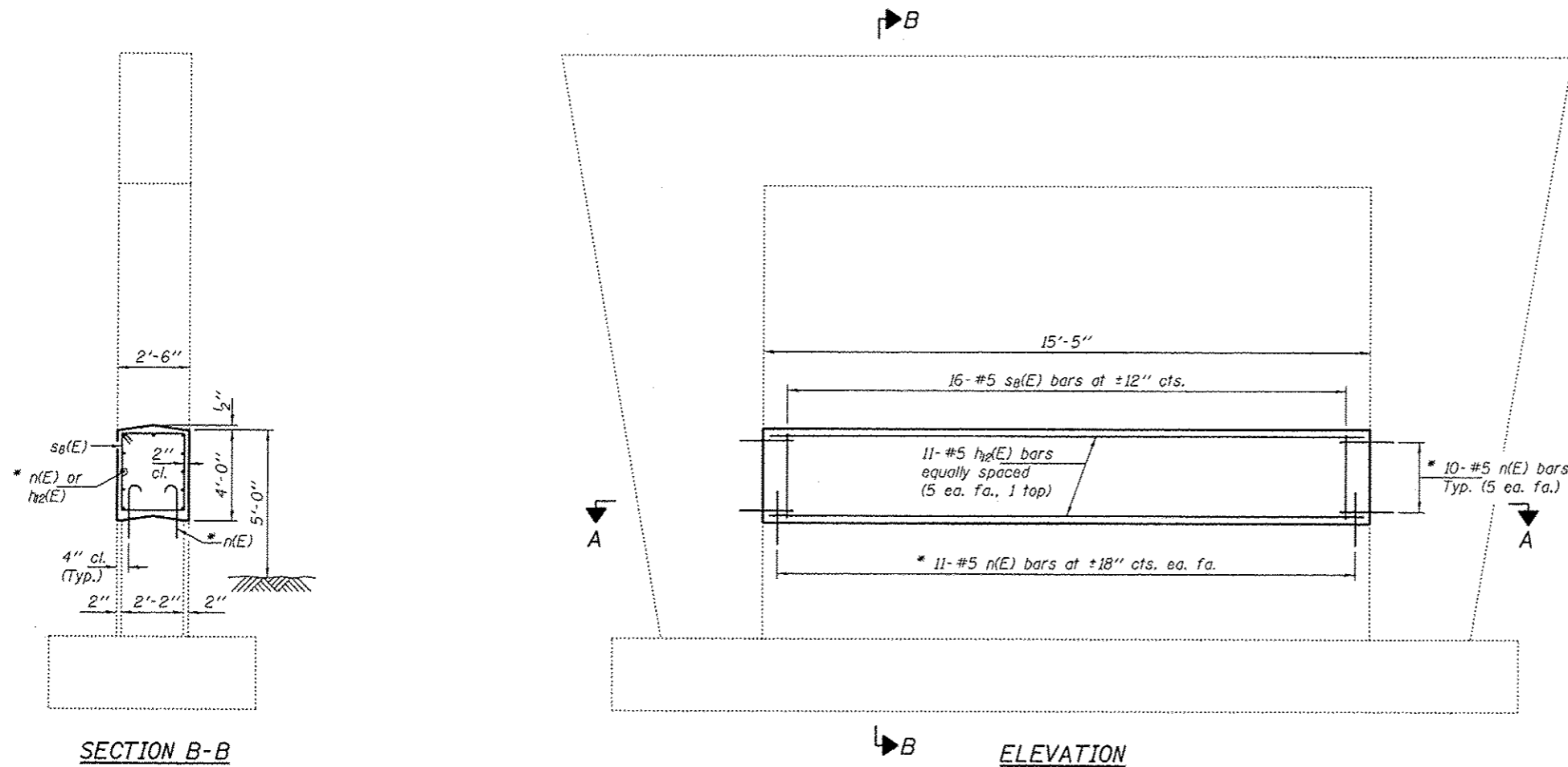
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
hls(E)	26	#5	9'-6"	—
n(E)	80	#5	2'-5"	—
sld(E)	22	#5	15'-3"	□
Concrete Structures			Cu. Yd.	9.7
Reinforcement Bars, Epoxy Coated			Pound	810

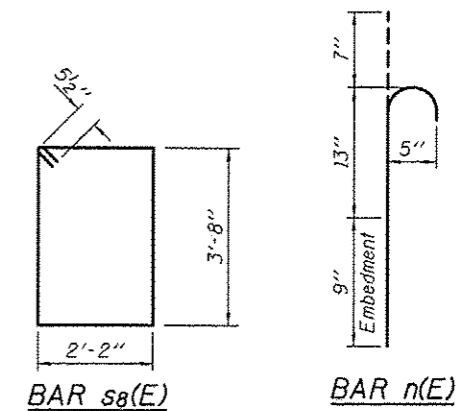


NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	11	#5	15'-1"	—
n(E)	42	#5	2'-5"	U
s8(E)	16	#5	12'-7"	□
Concrete Structures			Cu. Yd.	5.7
Reinforcement Bars, Epoxy Coated			Pound	490



DESIGNED *DAB*
 CHECKED *ARS*
 DRAWN *baliva*
 CHECKED *DAB ARS*

EXAMINED *Timothy A. Allert*
 PASSED *David Carl Puzey*
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE *JUNE 5, 2012*
 REVISED *09/11/2012*
 REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

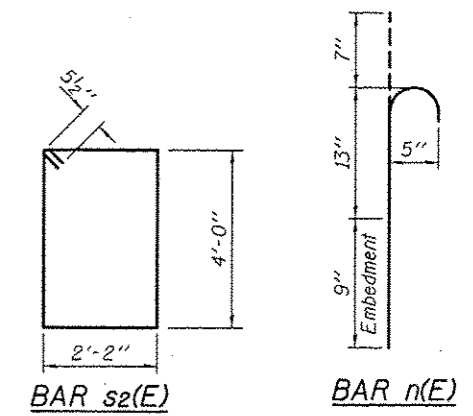
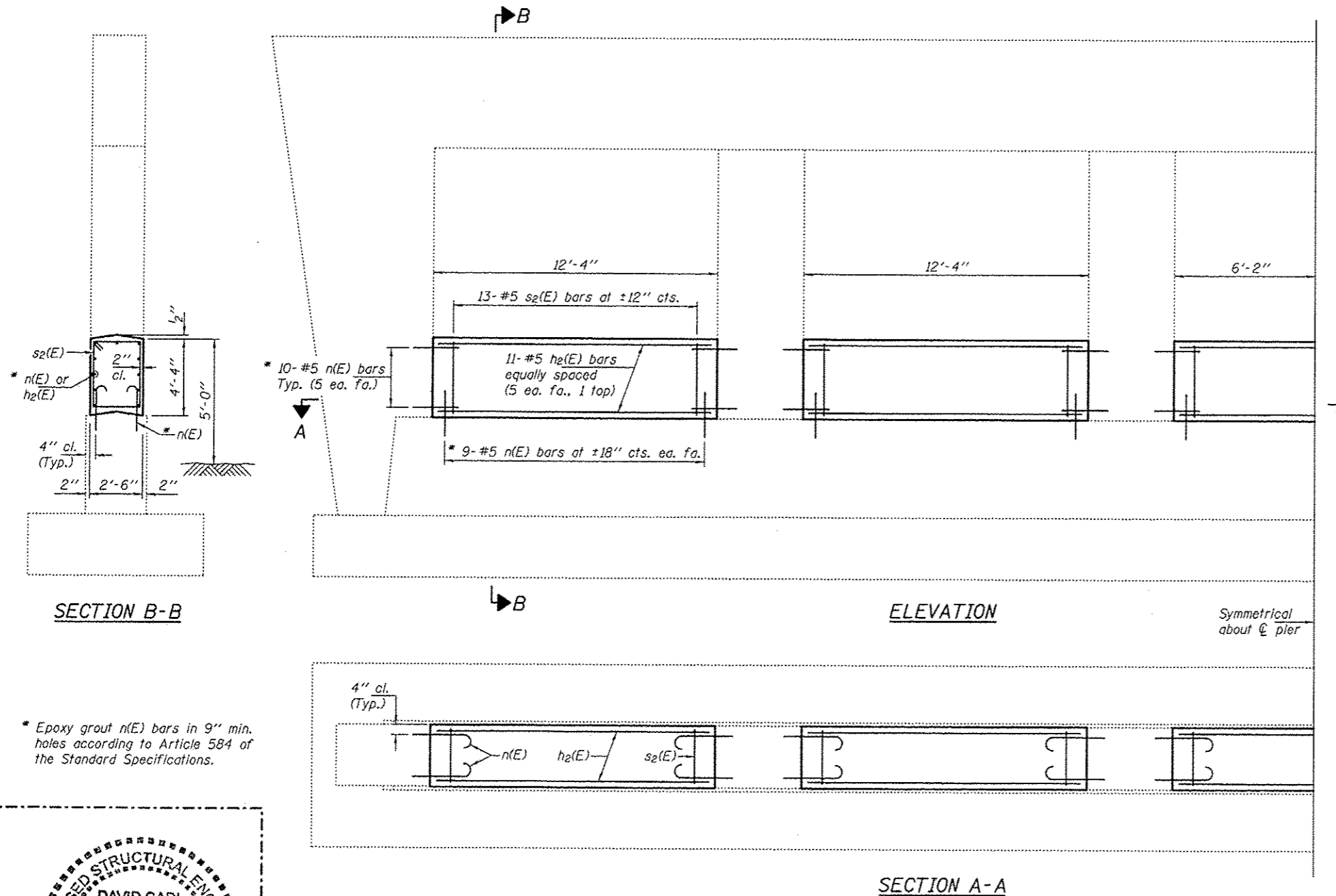
PIER CRASHWALL EXTENSION
 071-0061

SHEET NO. OF SHEETS

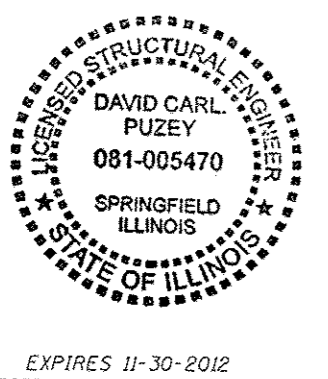
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	Ogle	175	61
				CONTRACT NO. 64H76
ILLINOIS FED. AID PROJECT				

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

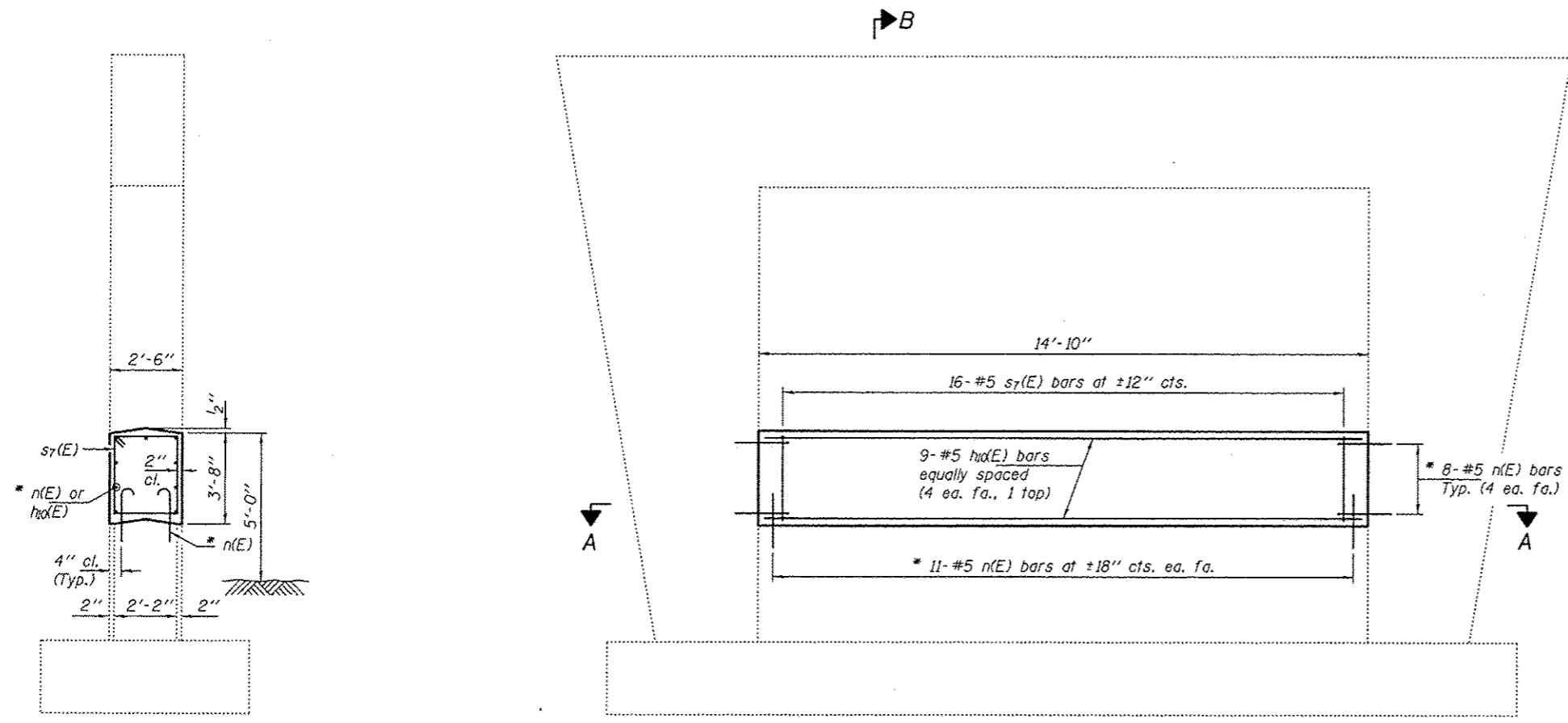


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	55	#5	12'-0"	—
n(E)	190	#5	2'-5"	U
s2(E)	65	#5	13'-3"	□
Concrete Structures			Cu. Yd.	24.7
Reinforcement Bars, Epoxy Coated			Pound	2070

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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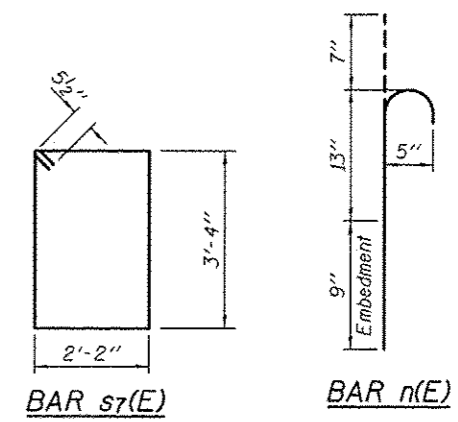


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A



BAR s7(E)

BAR n(E)

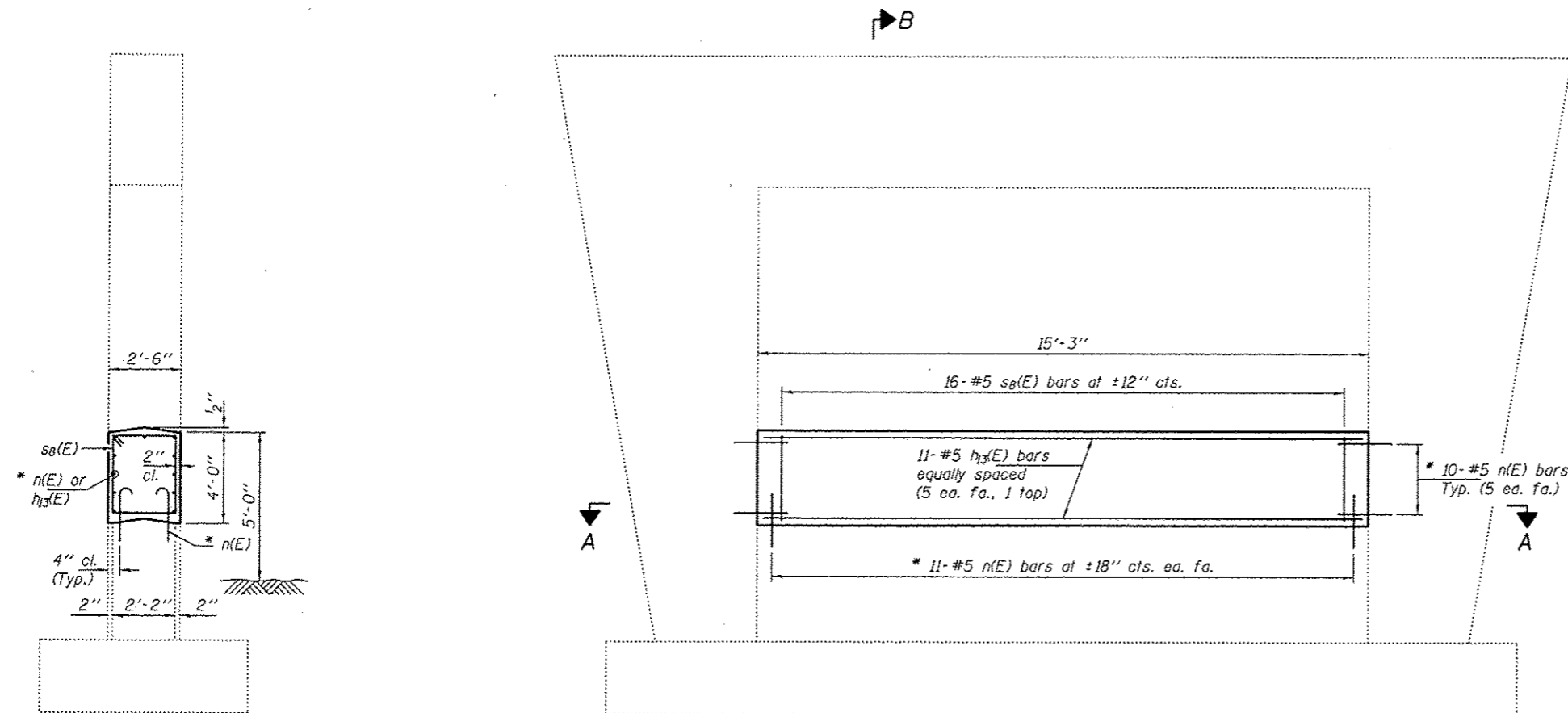
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	9	#5	14'-6"	—
n(E)	38	#5	2'-5"	U
s7(E)	16	#5	11'-11"	□
Concrete Structures			Cu. Yd.	5.0
Reinforcement Bars, Epoxy Coated			Pound	430



NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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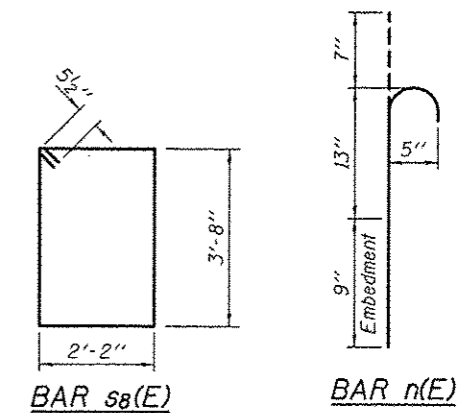


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A

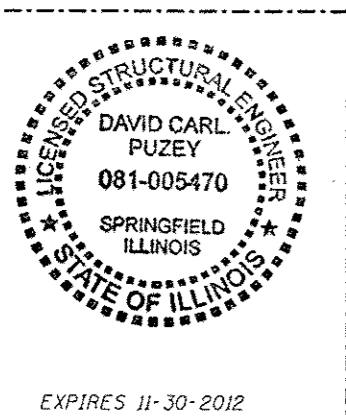


BAR s8(E)

BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	11	#5	14'-11"	—
n(E)	42	#5	2'-5"	U
s8(E)	16	#5	12'-7"	□
Concrete Structures			Cu. Yd.	5.7
Reinforcement Bars, Epoxy Coated			Pound	490



DESIGNED <i>DAB</i>	EXAMINED <i>Timothy A. Allen</i>	DATE - JUNE 5, 2012
CHECKED <i>ARS</i>	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN <i>baliva</i>	PASSED <i>David Carl Puze</i>	REVISED <i>Δ</i> 09/11/2012
CHECKED <i>DAB ARS</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

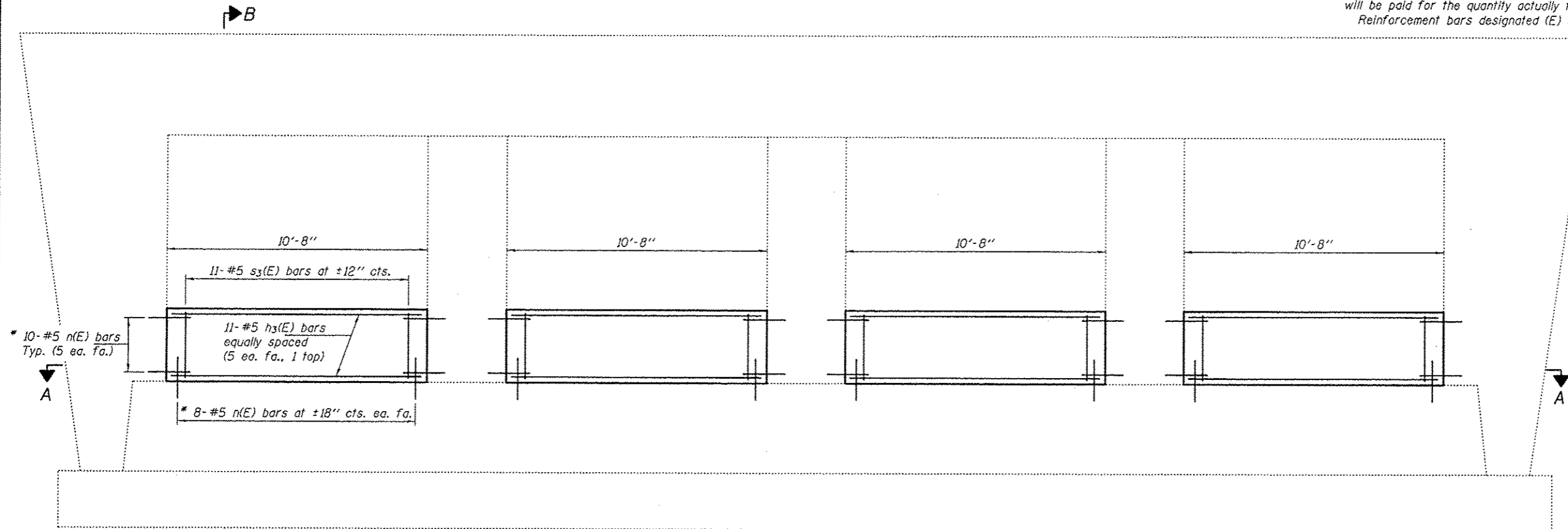
**PIER CRASHWALL EXTENSION
071-0056**

SHEET NO. OF SHEETS

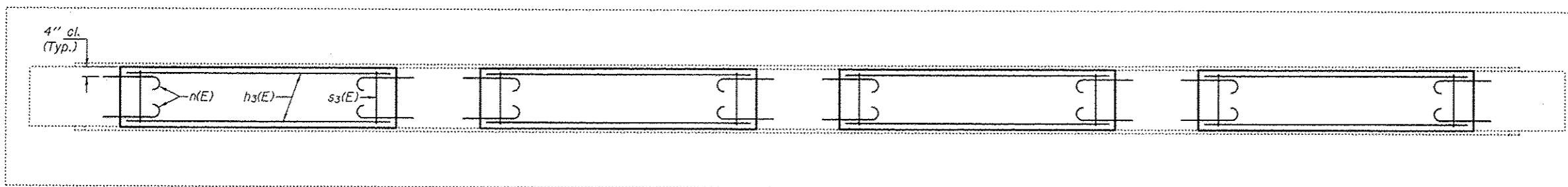
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	OGLE	175	64
			CONTRACT NO. 64H76	
(ILLINOIS) FED. AID PROJECT				

NOTES

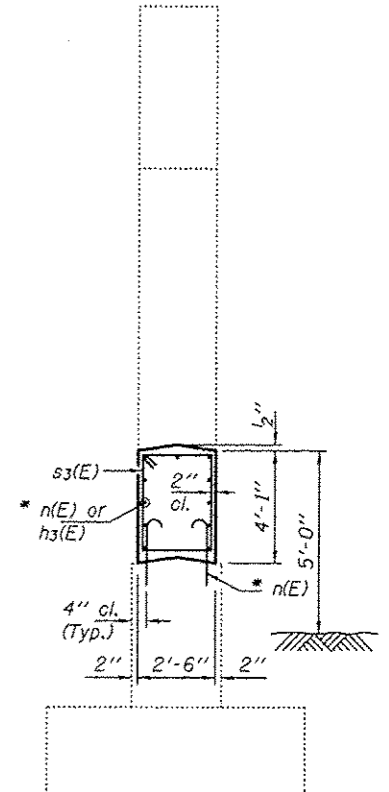
The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION



SECTION A-A

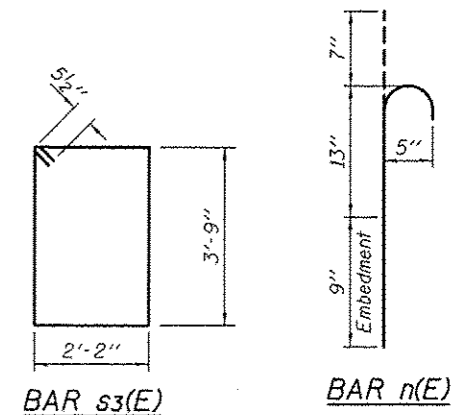


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	44	#5	10'-4"	—
n(E)	144	#5	2'-5"	⌋
s3(E)	44	#5	12'-9"	□
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	1420



BAR s3(E)

BAR n(E)



DESIGNED <i>DAB</i>	EXAMINED <i>Tandy A. Good</i>	DATE - JUNE 5, 2012
CHECKED <i>ARS</i>	PASSED <i>David Carl Puzey</i>	REVISED <i>09/11/2012</i>
DRAWN <i>baliva</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED
CHECKED <i>DAB ARS</i>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

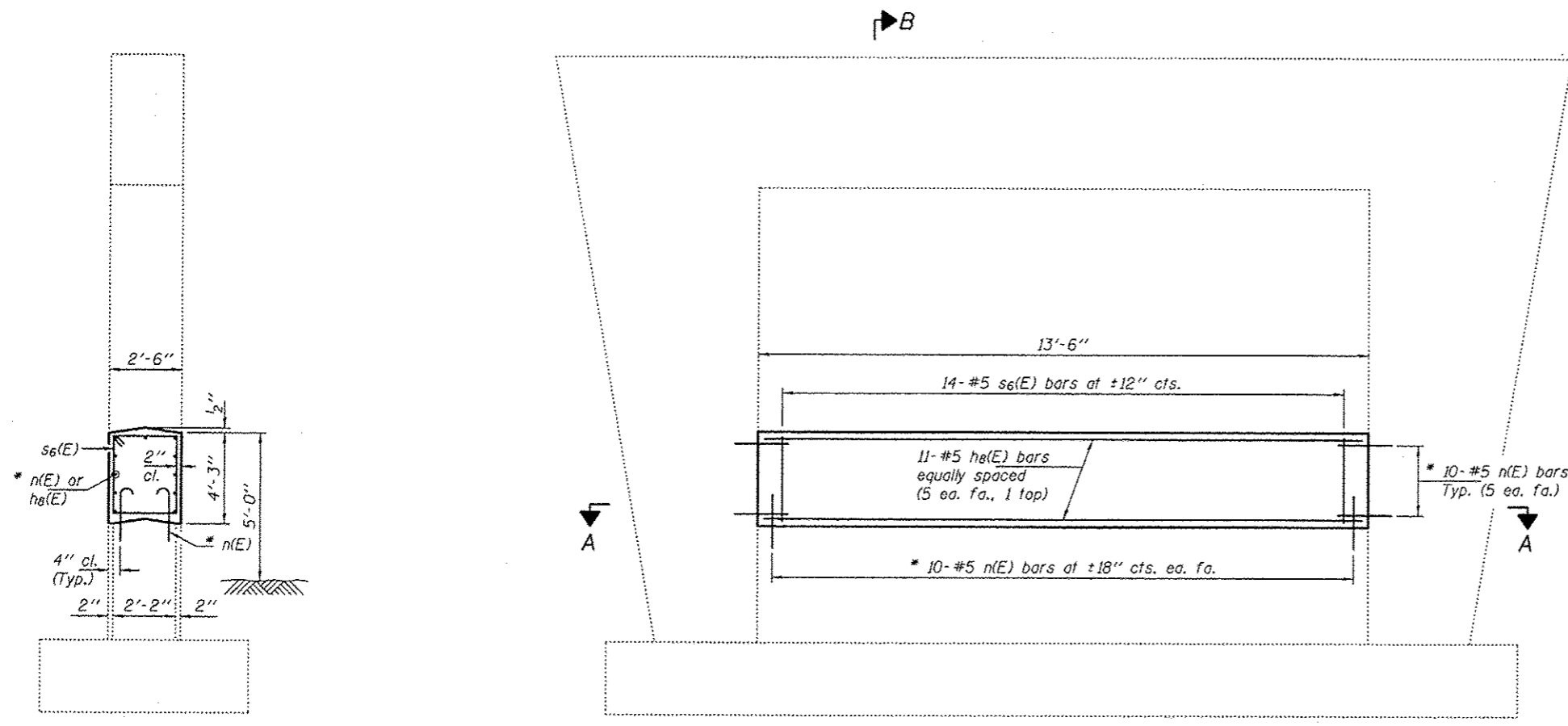
PIER CRASHWALL EXTENSION
 071-0055

SHEET NO. OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	OGLE	175	65
CONTRACT NO. 64H76			ILLINOIS FED. AID PROJECT	

NOTES

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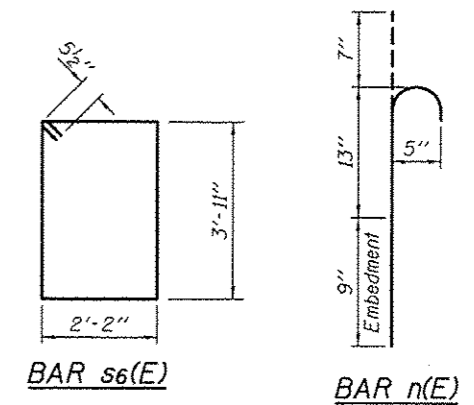


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

ELEVATION

SECTION A-A



BAR s6(E)

BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
hb(E)	11	#5	13'-2"	—
n(E)	40	#5	2'-5"	U
s6(E)	14	#5	13'-1"	□
Concrete Structures			Cu. Yd.	5.3
Reinforcement Bars, Epoxy Coated			Pound	440



DESIGNED *DAB*
 CHECKED *ARS*
 DRAWN *baliva*
 CHECKED *DAB ARS*

EXAMINED
 PASSED

Timothy A. A. [Signature]
 TIMOTHY A. A. [Signature]
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - JUNE 5, 2012
 REVISED *Δ* 09/11/2012
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

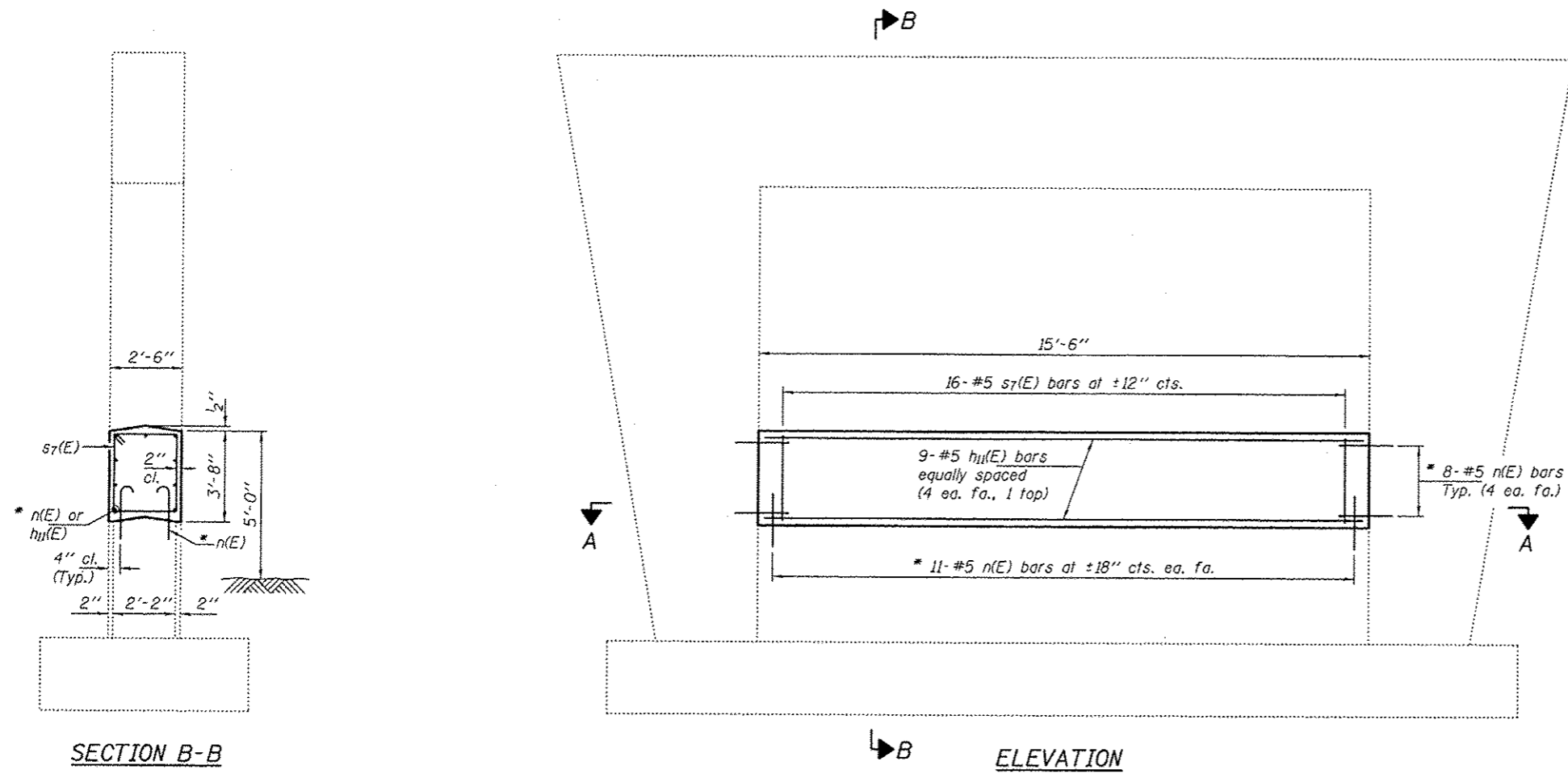
PIER CRASHWALL EXTENSION
 071-0054

SHEET NO. OF SHEETS

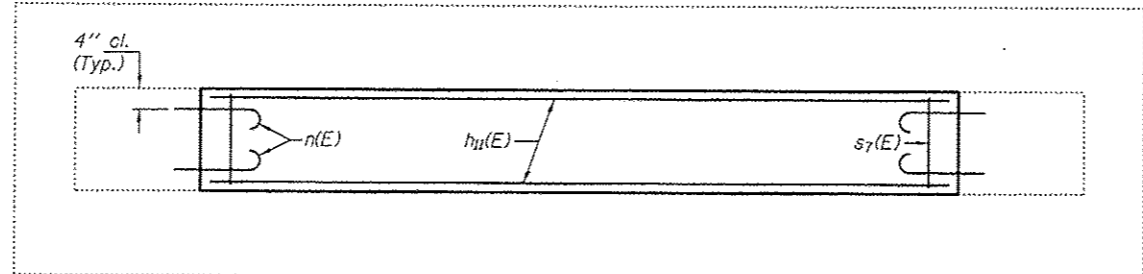
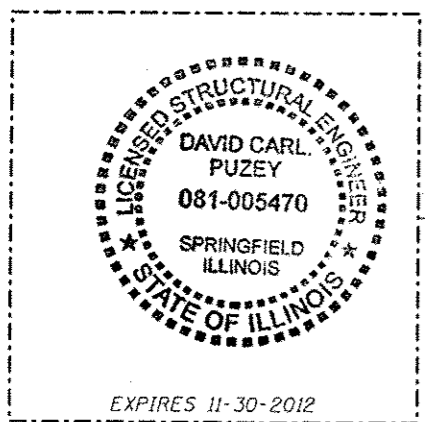
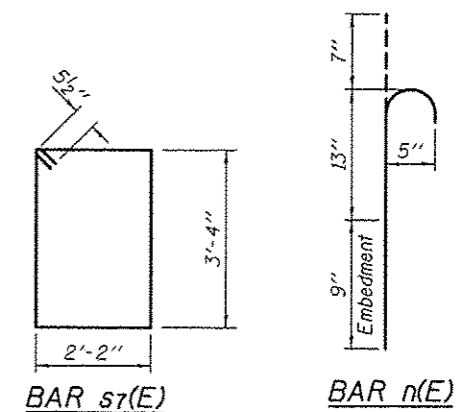
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	OGLE	175	66
				CONTRACT NO. 64H76
ILLINOIS FED. AID PROJECT				

NOTES

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 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



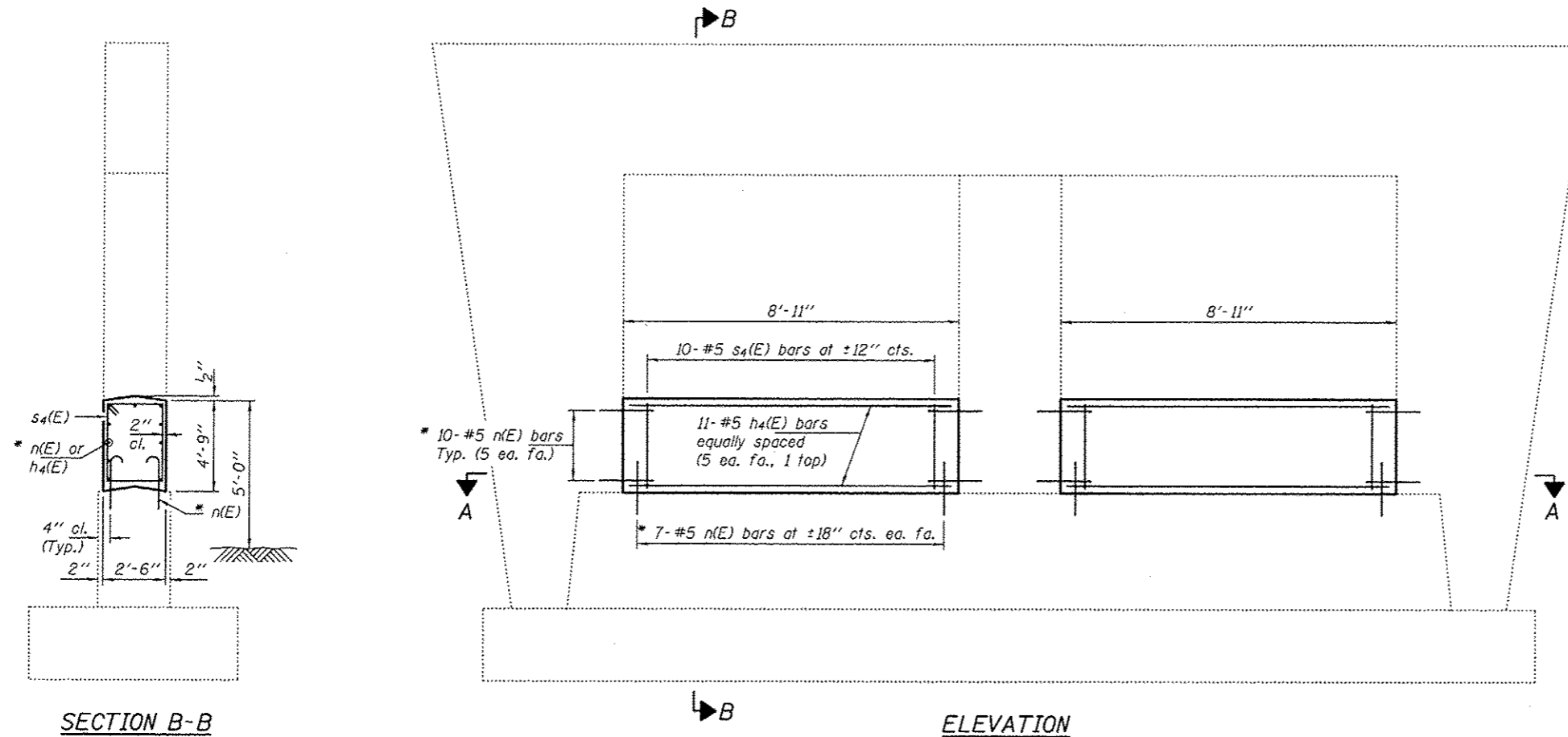
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h11(E)	9	#5	15'-2"	—
n(E)	38	#5	2'-5"	⌒
s7(E)	16	#5	11'-11"	□
Concrete Structures			Cu. Yd.	5.3
Reinforcement Bars, Epoxy Coated			Pound	440

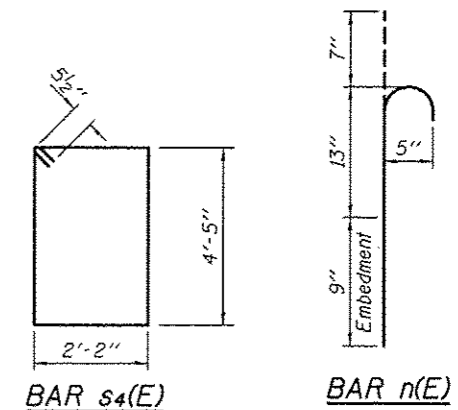
DESIGNED DAB	EXAMINED Trudy A. Add	DATE JUNE 5, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER CRASHWALL EXTENSION 071-0065	F.A.I. RTE. 412	SECTION D2 SAFETY 2012-1	COUNTY OGLE	TOTAL SHEETS 175	SHEET NO. 67
CHECKED ARS	PASSED Carl Puzey	REVISED 09/11/2012			CONTRACT NO. 64HT6				
DRAWN baliva	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			SHEET NO. OF SHEETS				

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BILL OF MATERIAL

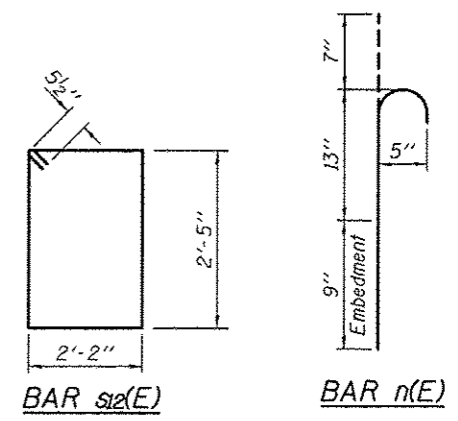
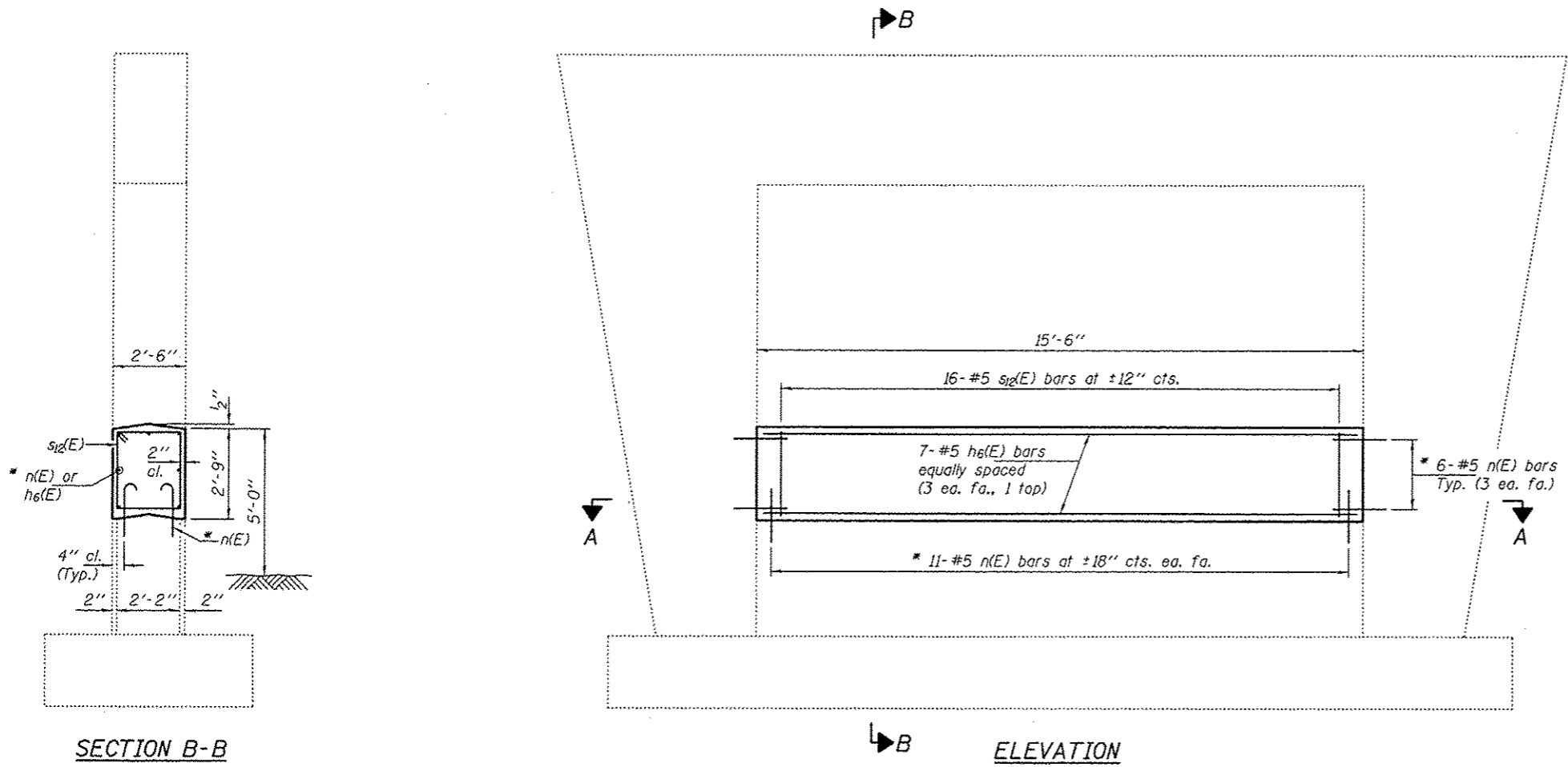
Bar	No.	Size	Length	Shape
h4(E)	22	#5	8'-7"	—
n(E)	68	#5	2'-5"	⊥
s4(E)	20	#5	14'-1"	□
Concrete Structures			Cu. Yd.	7.8
Reinforcement Bars, Epoxy Coated			Pound	660



EXPIRES 11-30-2012

NOTES

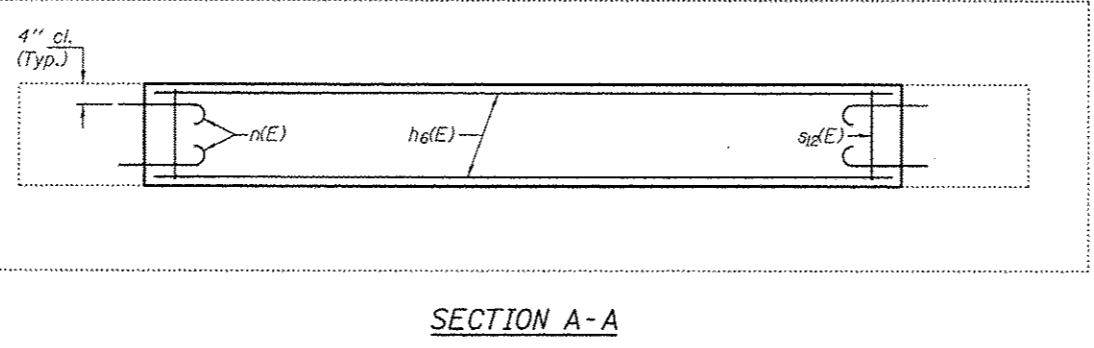
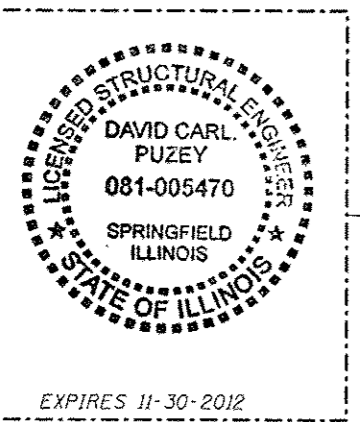
The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

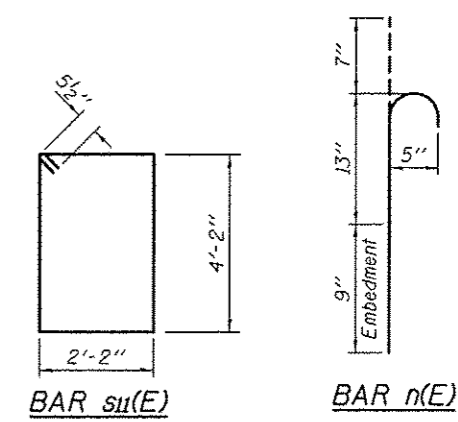
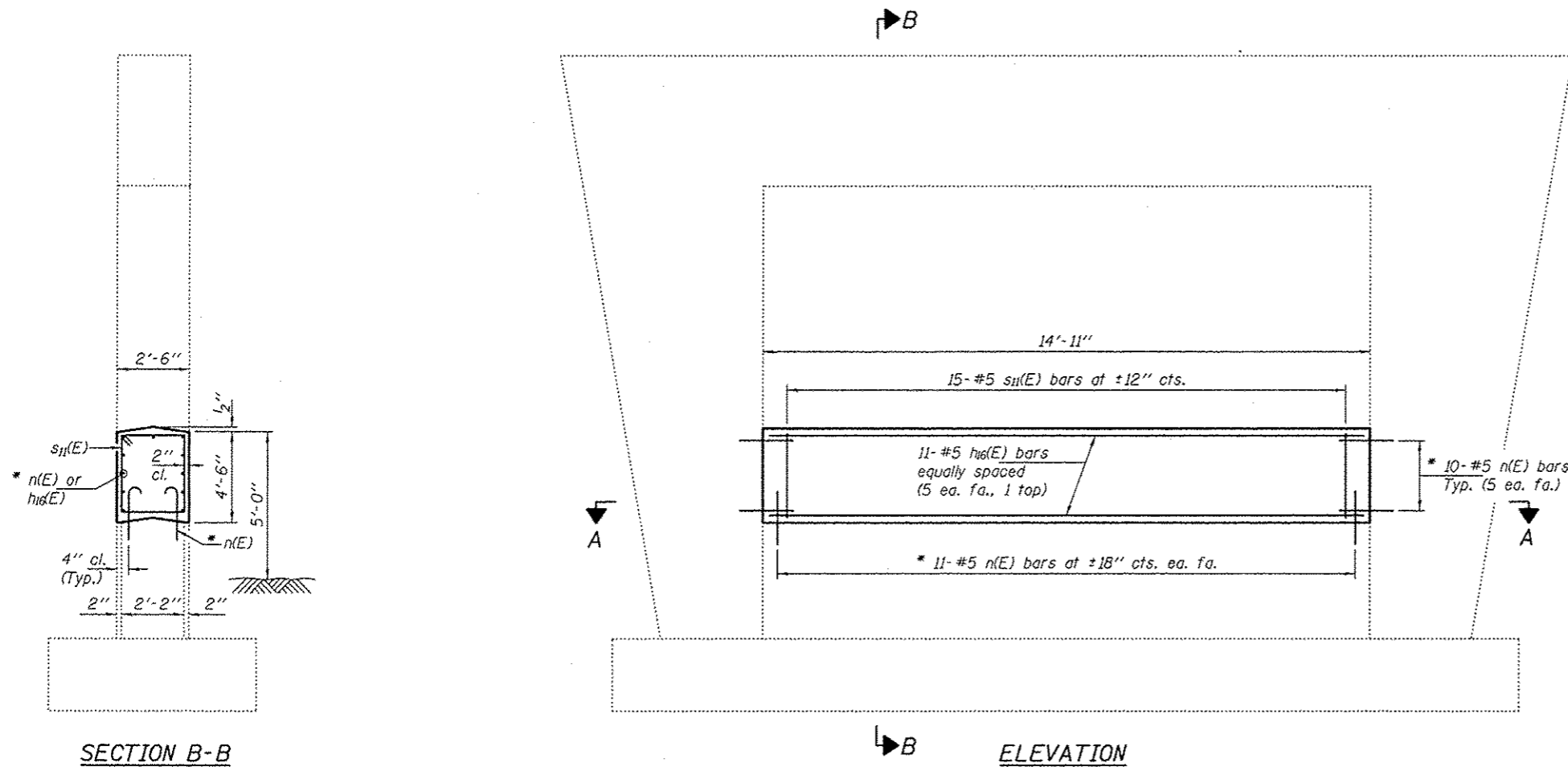
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h6(E)	7	#5	15'-2"	—
n(E)	34	#5	2'-5"	U
s12(E)	16	#5	10'-11"	□
Concrete Structures			Cu. Yd.	4.0
Reinforcement Bars, Epoxy Coated			Pound	360



NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
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 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

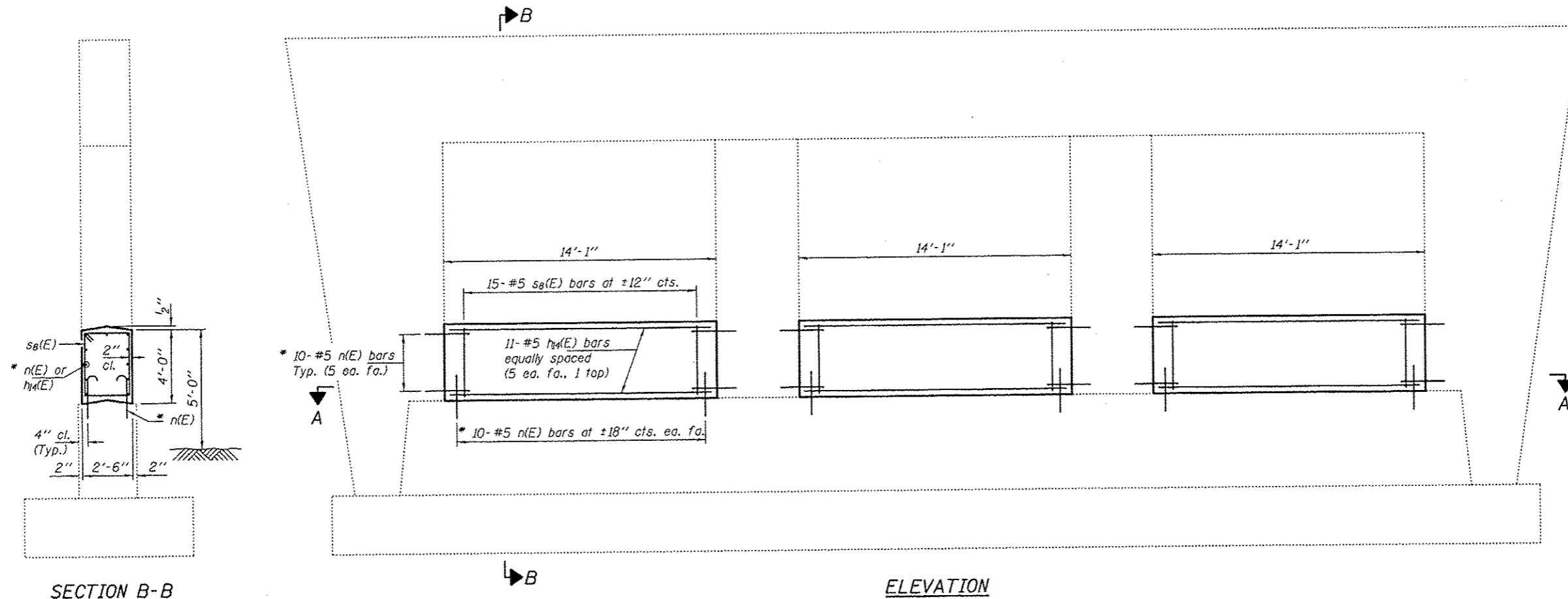


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h16(E)	11	#5	14'-7"	—
n(E)	42	#5	2'-5"	U
s11(E)	15	#5	13'-7"	□
Concrete Structures			Cu. Yd.	6.2
Reinforcement Bars, Epoxy Coated			Pound	490

NOTES

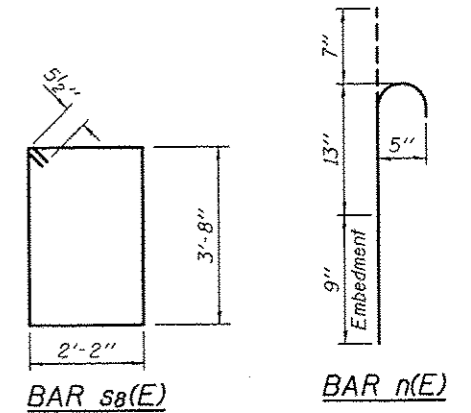
The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.



SECTION B-B

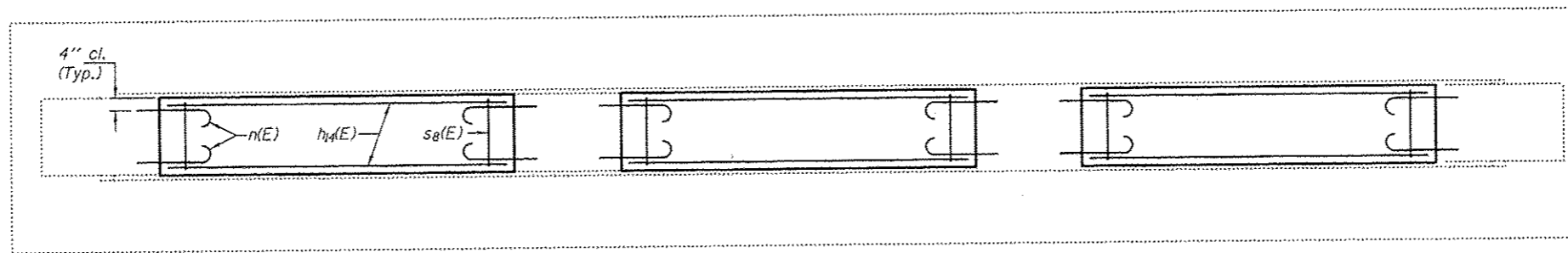
ELEVATION

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BAR sb(E)

BAR n(E)



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
hb(E)	33	#5	13'-9"	—
n(E)	120	#5	2'-5"	—
sb(E)	45	#5	12'-7"	□
Concrete Structures			Cu. Yd.	15.7
Reinforcement Bars, Epoxy Coated			Pound	1370



EXPIRES 11-30-2012

DESIGNED *DAB*
 CHECKED *ARS*
 DRAWN *balivo*
 CHECKED *DAB ARS*

EXAMINED *Timothy A. Adell*
 ACTING ENGINEER OF STRUCTURAL SERVICES
 PASSED *David Carl Puzey*
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - JUNE 5, 2012
 REVISED Δ 09/11/2012
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER CRASHWALL EXTENSION
 101-0145

SHEET NO. OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 SAFETY 2012-1	WINNEBAGO	175	71

ILLINOIS FED. AID PROJECT CONTRACT NO. 64HT6