



# Iowa Department of Transportation

Office of Bridges and Structures

800 Lincoln Way

(515)-233-7924

Ames, IA 50010

Fax (515)-239-1978

Letter of Transmittal

August 1, 2013

ID No	1245
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To: CRETEX CONCRETE PRODUCTS  
 525 SOUTH 11TH STREET  
 WEST DES MOINES, IA 50265

Design No.	113	Station	
File No.	30484	Section	
Job No.			
County	CASS		
Project	BRF-092-2(36)--38-15		
Project			
Location			

We are sending you

Attached       Under Separate Cover

- Plans
- Prints
- Shop Drawings
- Falsework Plans

No Exceptions Taken	Make Corrections Noted *	Amend and Resubmit	Rejected - See Remarks
1.	2.	3.	4.
X			

Item	Copies	Sheets	Description
1	1	16	PRECAST WING WALLS

\* No Resubmittal Necessary

Remarks:

Signed *Brett Kloss*

Brett Kloss  
 Office of Bridges and Structures

Cc:

- S. MOUSSALLI-CENTRAL MATERIALS (2 COPIES)
- HERBERGER CONSTRUCTION CO., INC.
- OFFICE COPY
- D. REDMOND-DISTRICT 4 MATERIALS
- S. NIXON-CRESTON RCE (2 COPIES)

REVIEWED BY OFFICE OF BRIDGES AND STRUCTURES  
IOWA DEPARTMENT OF TRANSPORTATION

Reviewed in accordance with current policy

August 1, 2013

- NO EXCEPTIONS TAKEN
- MAKE CORRECTIONS NOTED (NO RESUBMITTAL NEC.)
- AMEND AND RESUBMIT

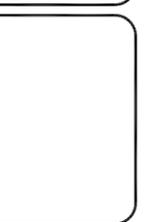
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REVISIONS	DATE
△	
△	
△	

PM: JEFF B.	TITLE: WINGWALL LAYOUT
EN: JEFF B.	GC: HERBERGER CONSTRUCTION
PC: JIM S.	ARCH:
CH: JEFF B.	ENG:

PROJECT: CASS COUNTY, IOWA  
BRF-092-2(36)--38-15  
LOCATION: MASSENA, IOWA

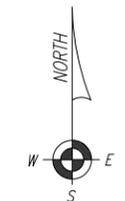


PROJECT NO.  
213037

SHEET  
ABUTMENT



1 IOWA 92 OVER SMALL STREAM - ABUTMENTS LAYOUT  
SS1 - WINGWALL 1/8" = 1'-0"



- NOTES:
- S10 & S11 WT. = 11.3 TONS/EA.
  - CONTRACTOR MUST USE PULLEYS FOR EQUALIZED PICK.
  - MAX ANGLE TO VERTICAL PICK = 60°.
  - CONTRACTOR TO CUT LIFT LOOPS AFTER INSTALLATION AND COAT PER IM 410.
  - LIFTING LOOP TO BE COATED WITH ZINC-RICH EPOXY PAINT PER IM 482.02, APPENDIX C.

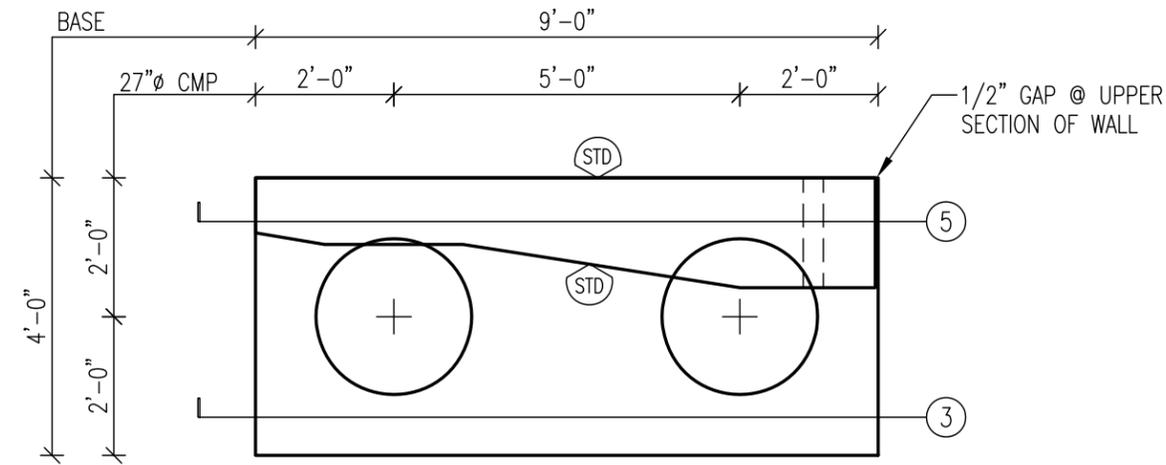
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SOUTHEAST PIECE  
SIMILAR

NORTHWEST PIECE  
SHOWN

NORTHWEST PIECE  
SHOWN

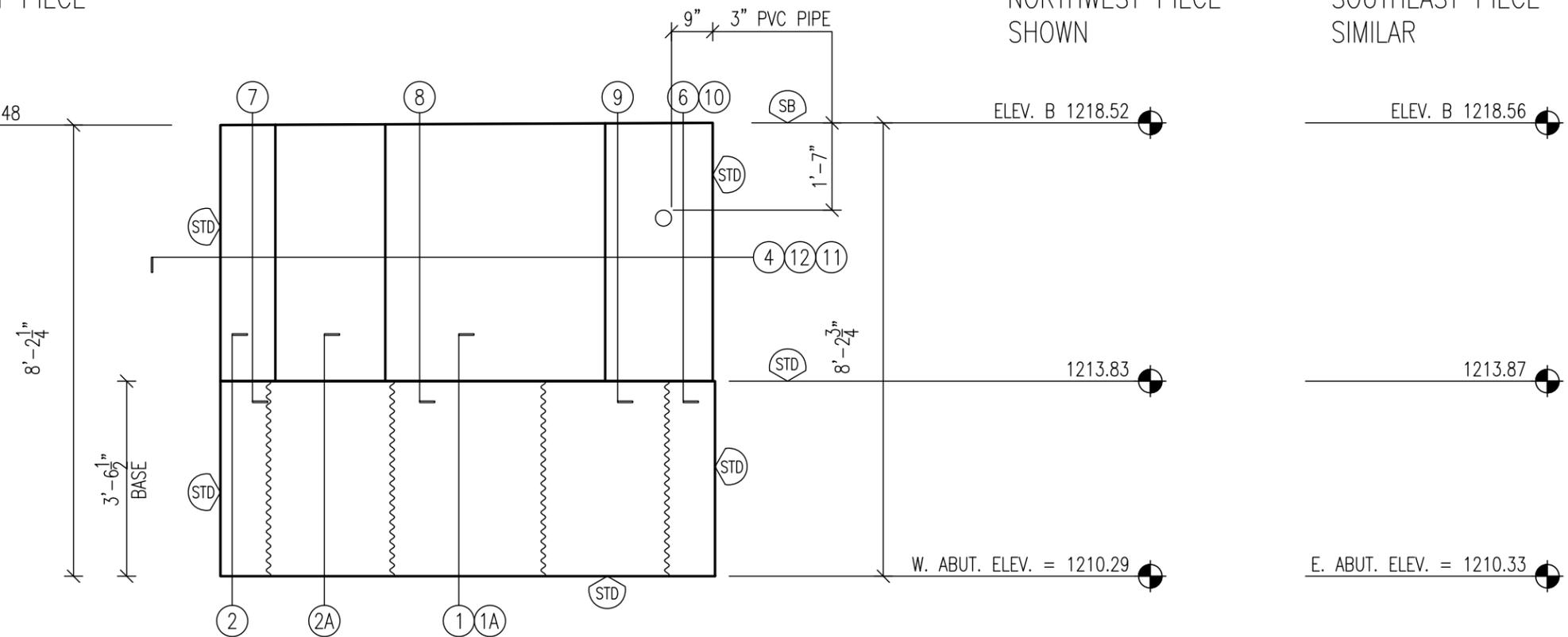
SOUTHEAST PIECE  
SIMILAR

ELEV. C 1218.52

ELEV. C 1218.48

ELEV. B 1218.52

ELEV. B 1218.56



FINISHES		MARK	QTY.	MARK	QTY.	MARK	QTY.	MARK	QTY.	MISC	QTY.	BAR SIZE	TOT LGTH
(STD)	STD FORM	S50706E	22	B6C4E	12	B5C6E	1						
(SB)	SANDBLAST	S50302E	6	B6C3E	4	B5C14E	4						
		S80205E	4	B5C3E	4	B5C5E	1	B5C10E	1			#8E	149
		S80808E	16	B5H2E	6	B6D2E	2	B5C9E	1			#6E	167
		B4P3E	12	S50807E	6	B4T2E	2	B5C8E	1			#5E	674
		B5P4E	16	B5S2E	6	B4T1E	2	B5C7E	1	27" CMP	2	#4E	102
		MARK	QTY.	MARK	QTY.	MARK	QTY.	MARK	QTY.	MISC	QTY.	BAR SIZE	TOT LGTH



PROJECT	CASS COUNTY, IA BRF-092-2(36)--38-15	PROJ. NUMBER	213037
LOCATION	MASSENA, IOWA	PRODUCT CODE	SS1
FOR QUESTIONS CALL JIM S. @ 515-564-4835		TOTAL REQ'D	2
EN. JEFF B.	PC. JIM S.	PIECE MARK	S10
DR. JIM S.	CH. JEFF B.		
DESIGN TYPE	DESIGN SHT.		
WT. 11.3 TONS	VOL. 5.6 C.Y.	A:	S.F.

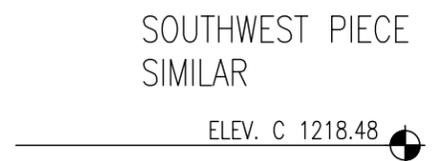
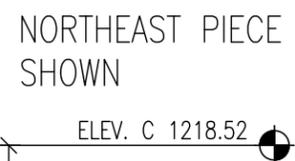
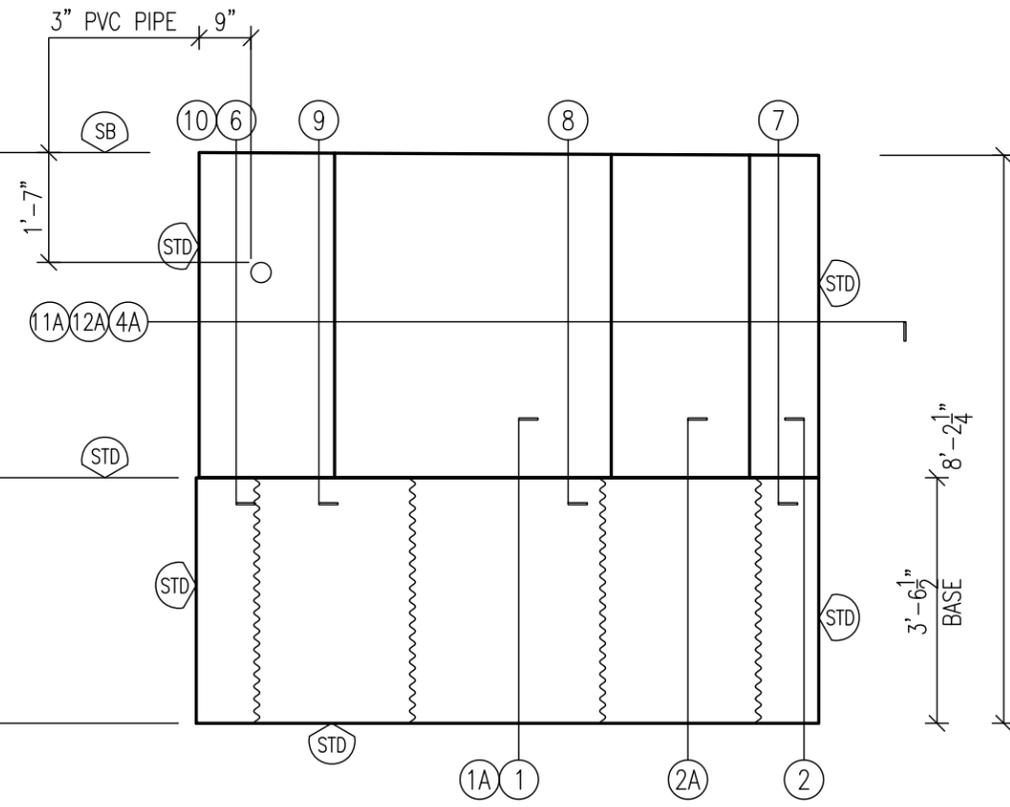
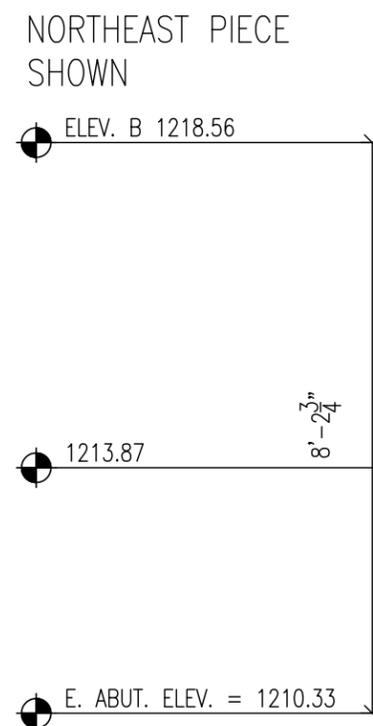
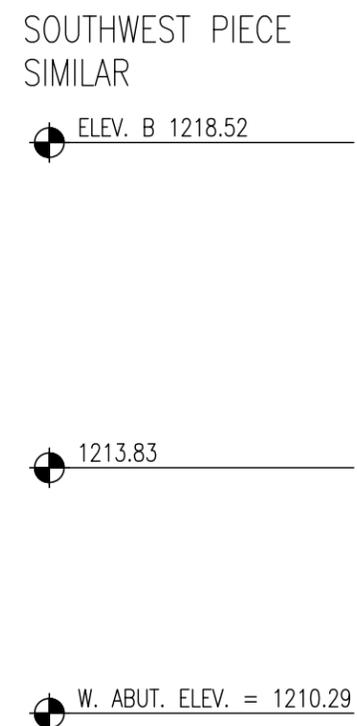
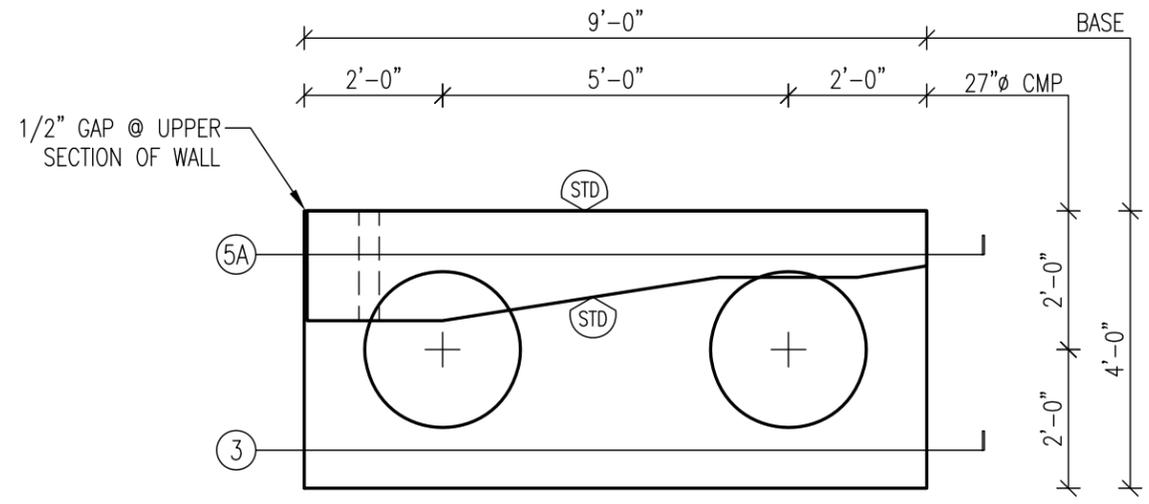
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IOWA DEPARTMENT OF TRANSPORTATION

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	S80205E	4	B5C3E	4	B5C5E	1	B5C10E	1		#8E	149		
	S80808E	16	B5H2E	6	B6D2E	2	B5C9E	1		#6E	167		
REVISIONS		B4P3E	12	S50807E	6	B4T2E	2	B5C8E	1		#5E	674	
		B5P4E	16	B5S2E	6	B4T1E	2	B5C7E	1	27" CMP	2	#4E	102
		MARK	QTY.	MARK	QTY.	MARK	QTY.	MARK	QTY.	MISC	QTY.	BAR SIZE	TOT LGTH



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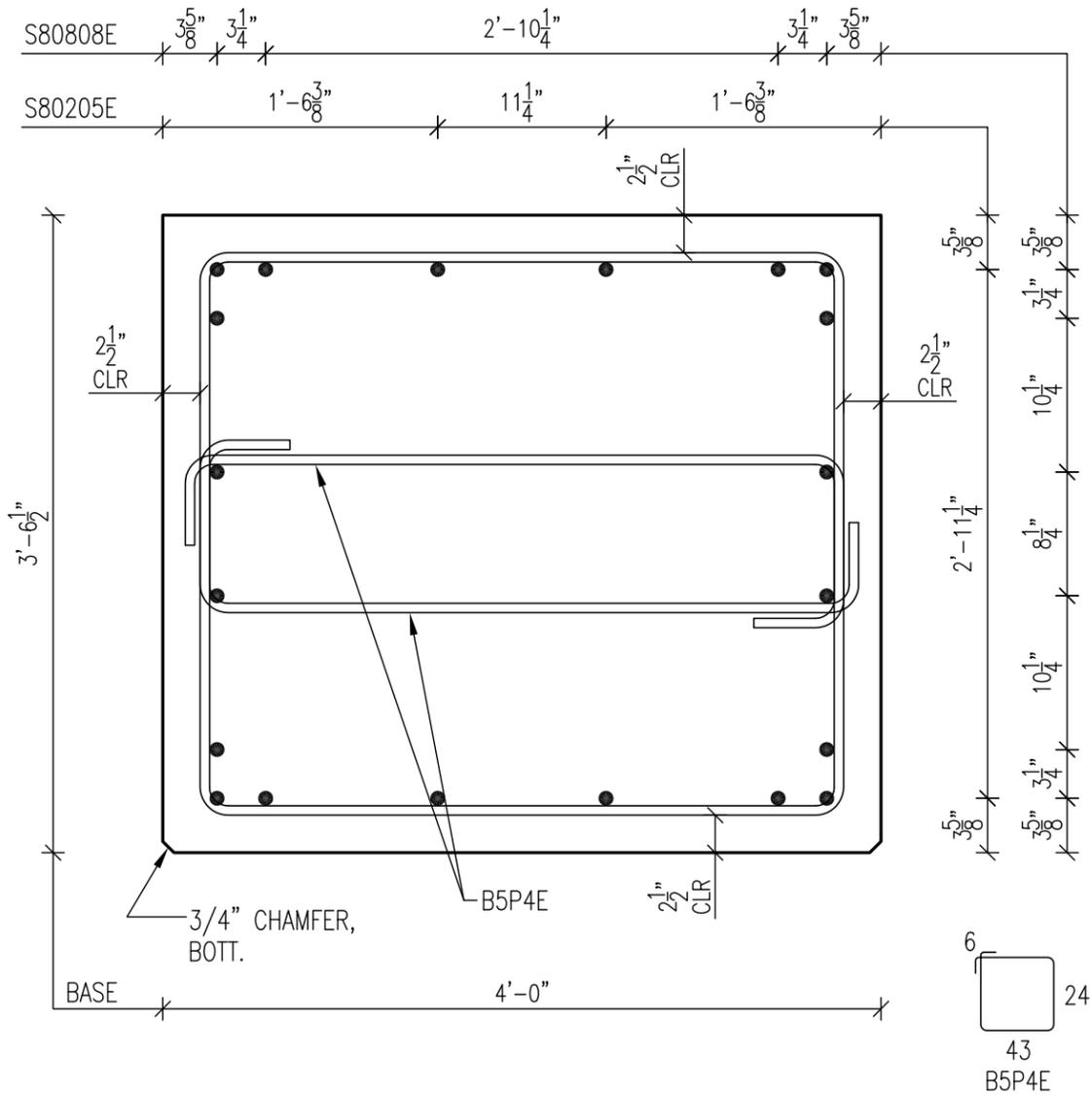
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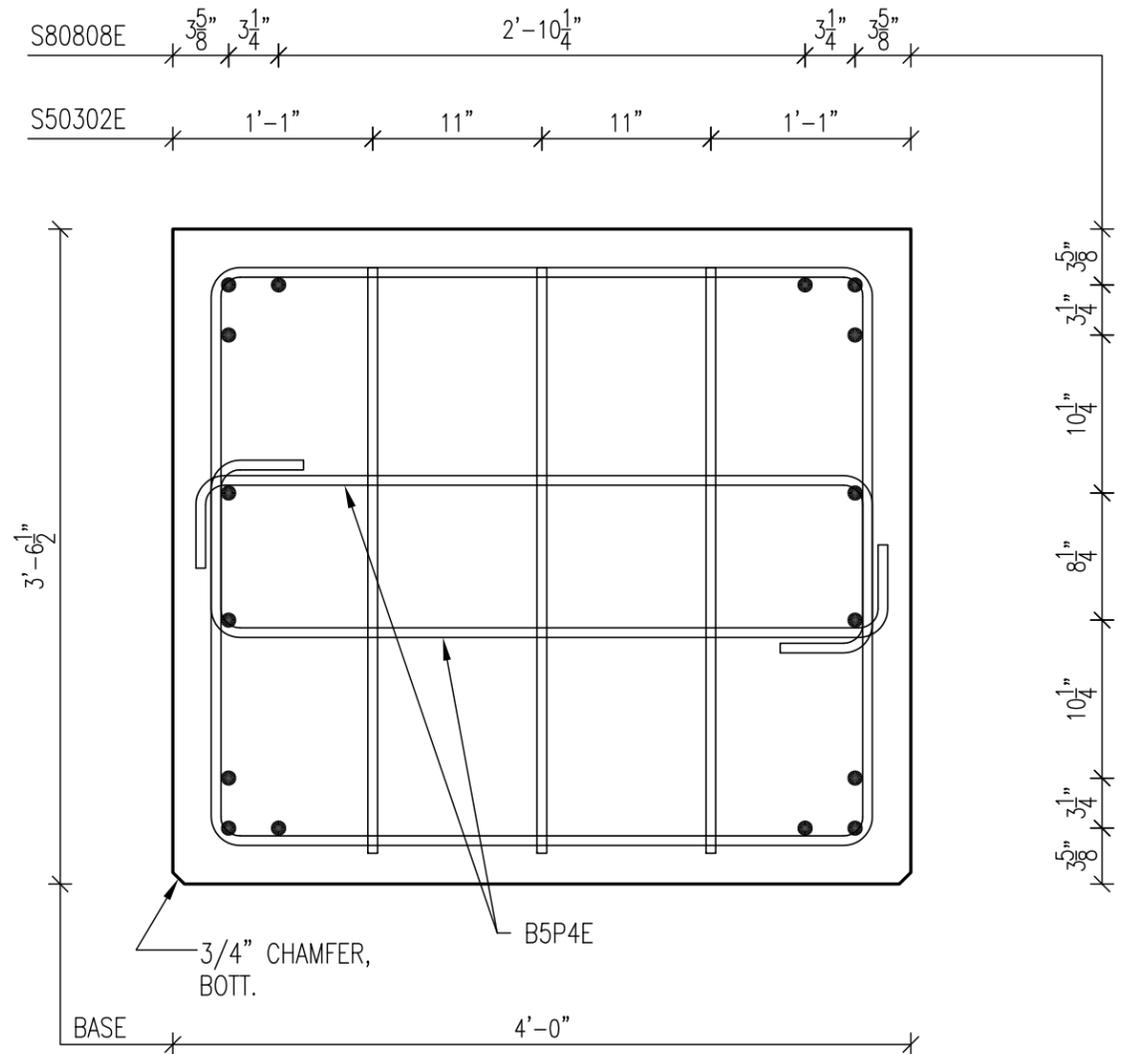
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1

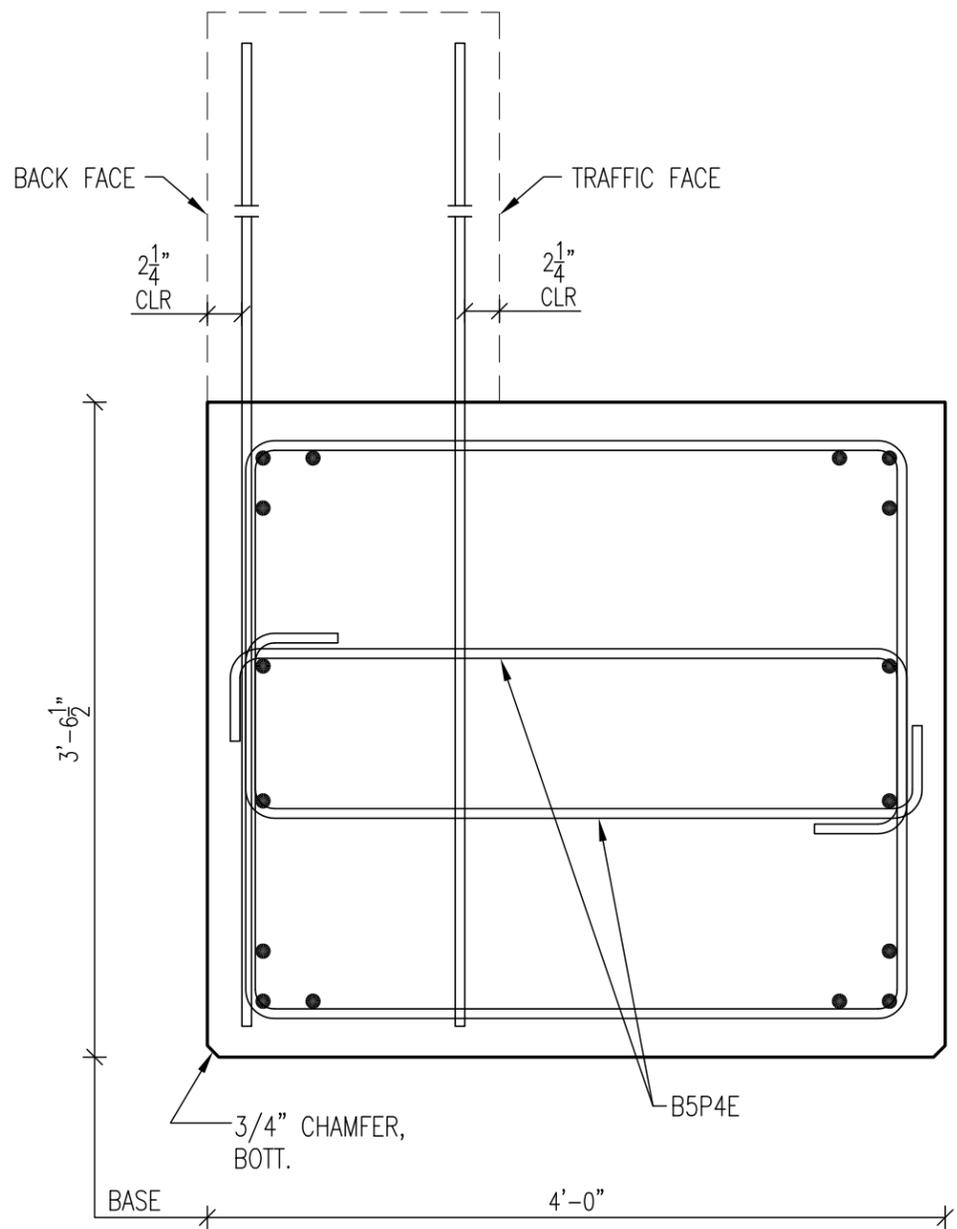


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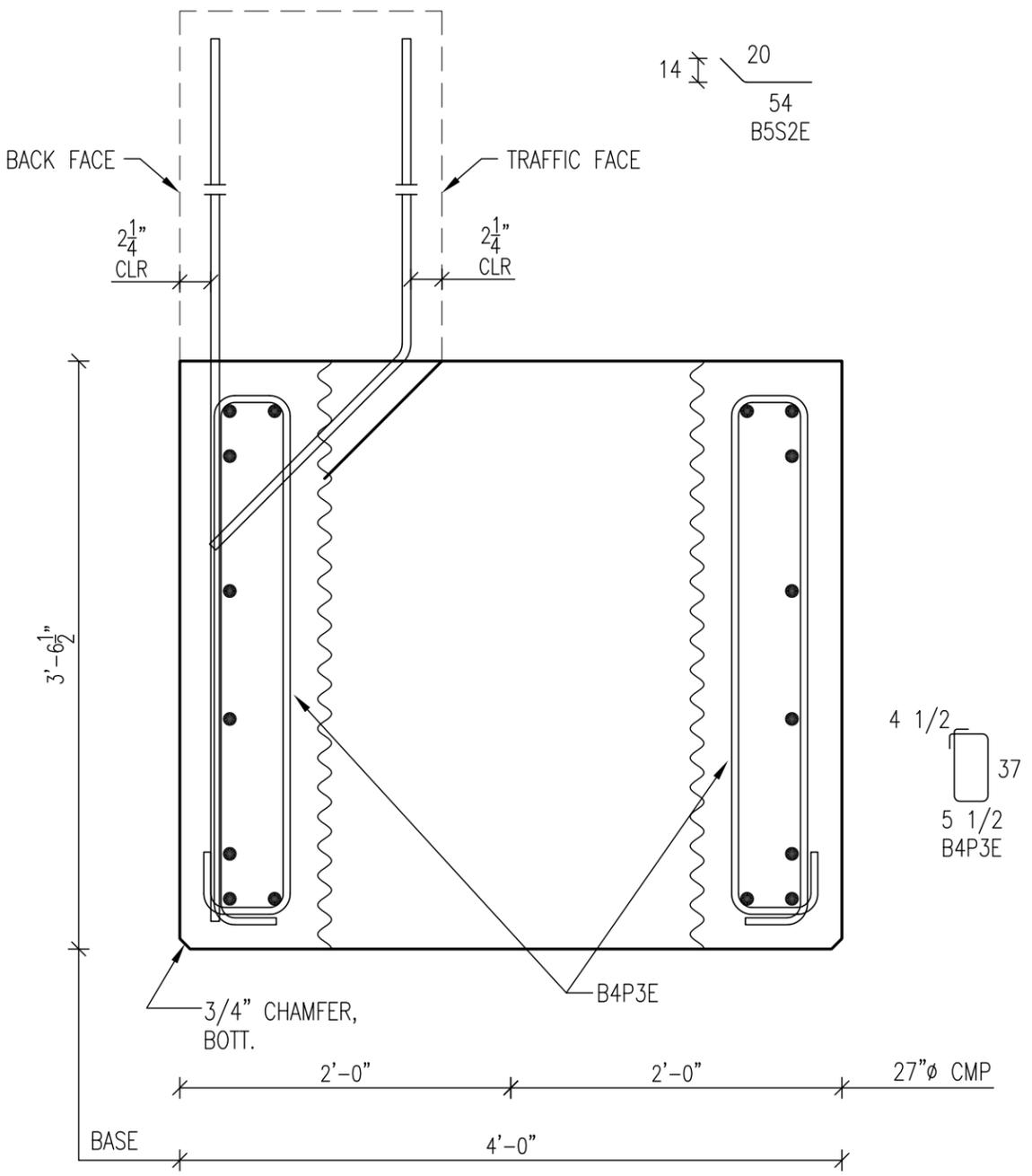
REVISIONS			EN JEFF B.	PROJECT CASS COUNTY, IOWA	PROJ NUMBER
△			PC JIM S.	BRF-092-2(36)--38-15	213037
△			DR JIM S.	LOCATION MASSENA, IOWA	PRODUCT CODE
△			CH JEFF B.	file name	SS1

S50706E  $\frac{5}{8}$ " VARIES  $\frac{5}{8}$ "



1A

S50706E  $\frac{5}{8}$ " 3'-9 3/8" B5S2E VARIES VARIES



2A

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△		
△		
△		

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LOCATION	MASSENA, IOWA
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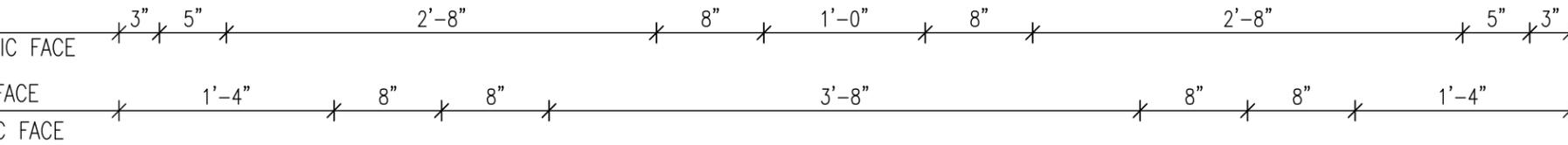
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PRODUCT CODE	SS1

(2) S50706E

BACK FACE & TRAFFIC FACE

S50706E BACK FACE

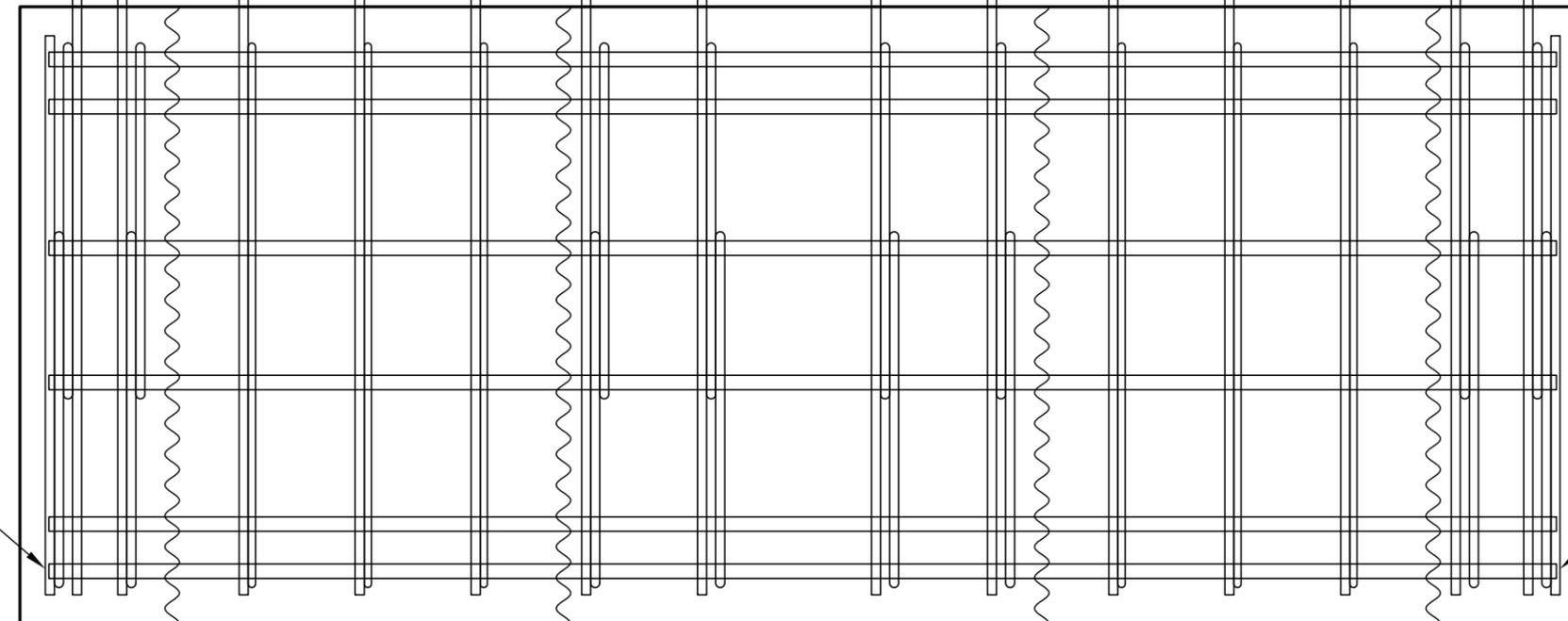
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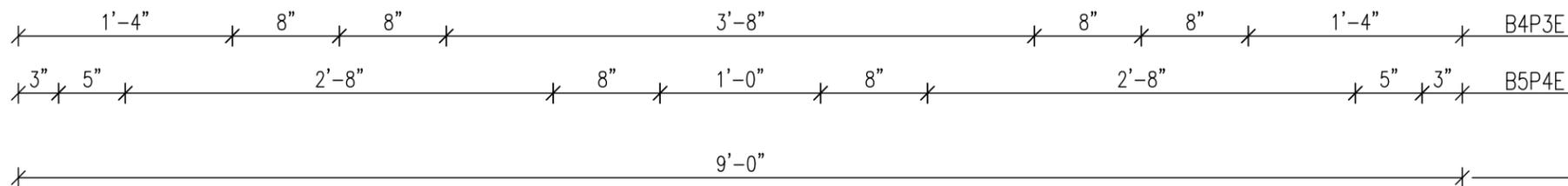
4'-6"  
PROJECTION



S50302E



S50302E



3'-6 1/2"

BASE

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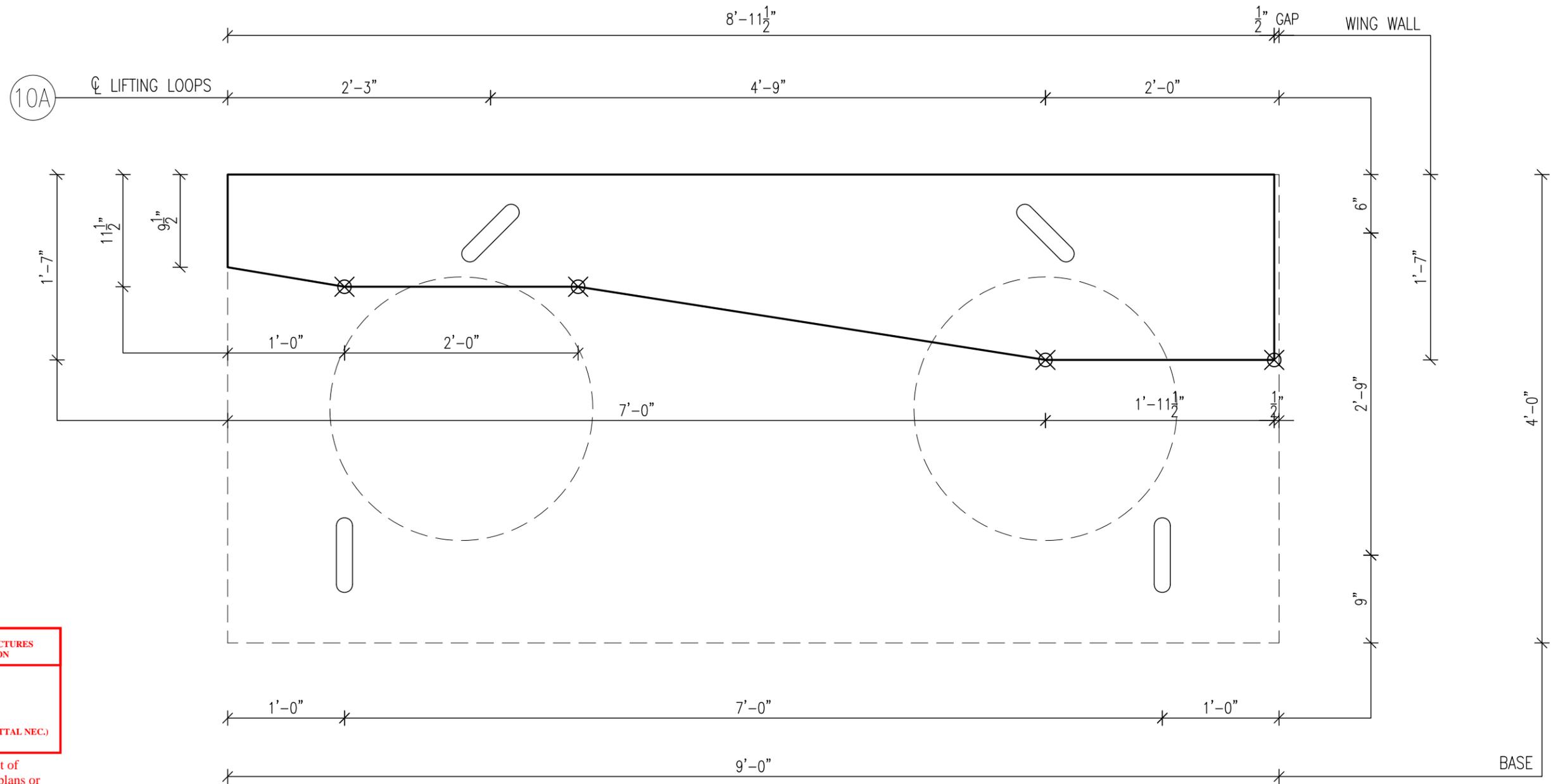
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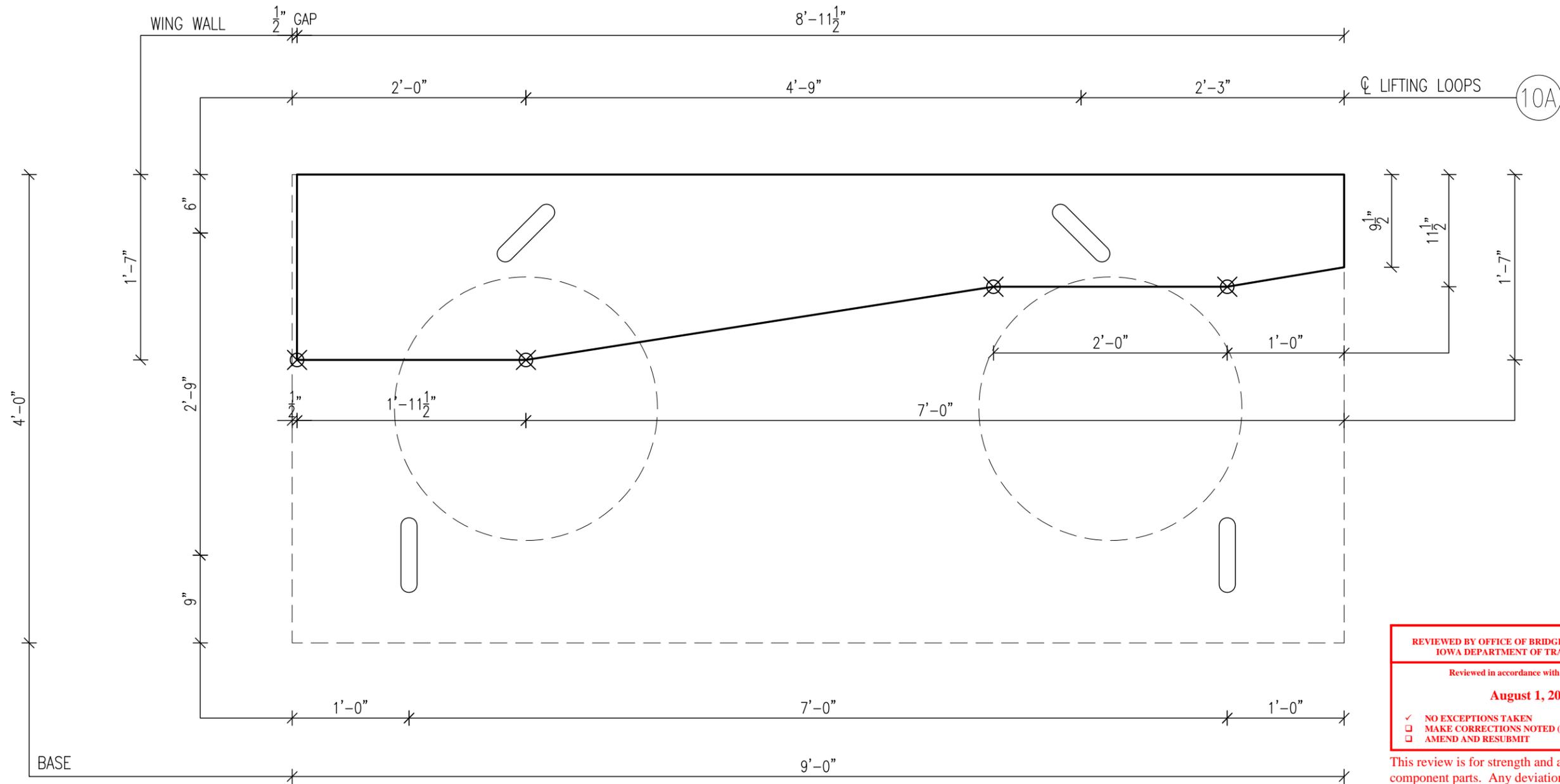
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4A



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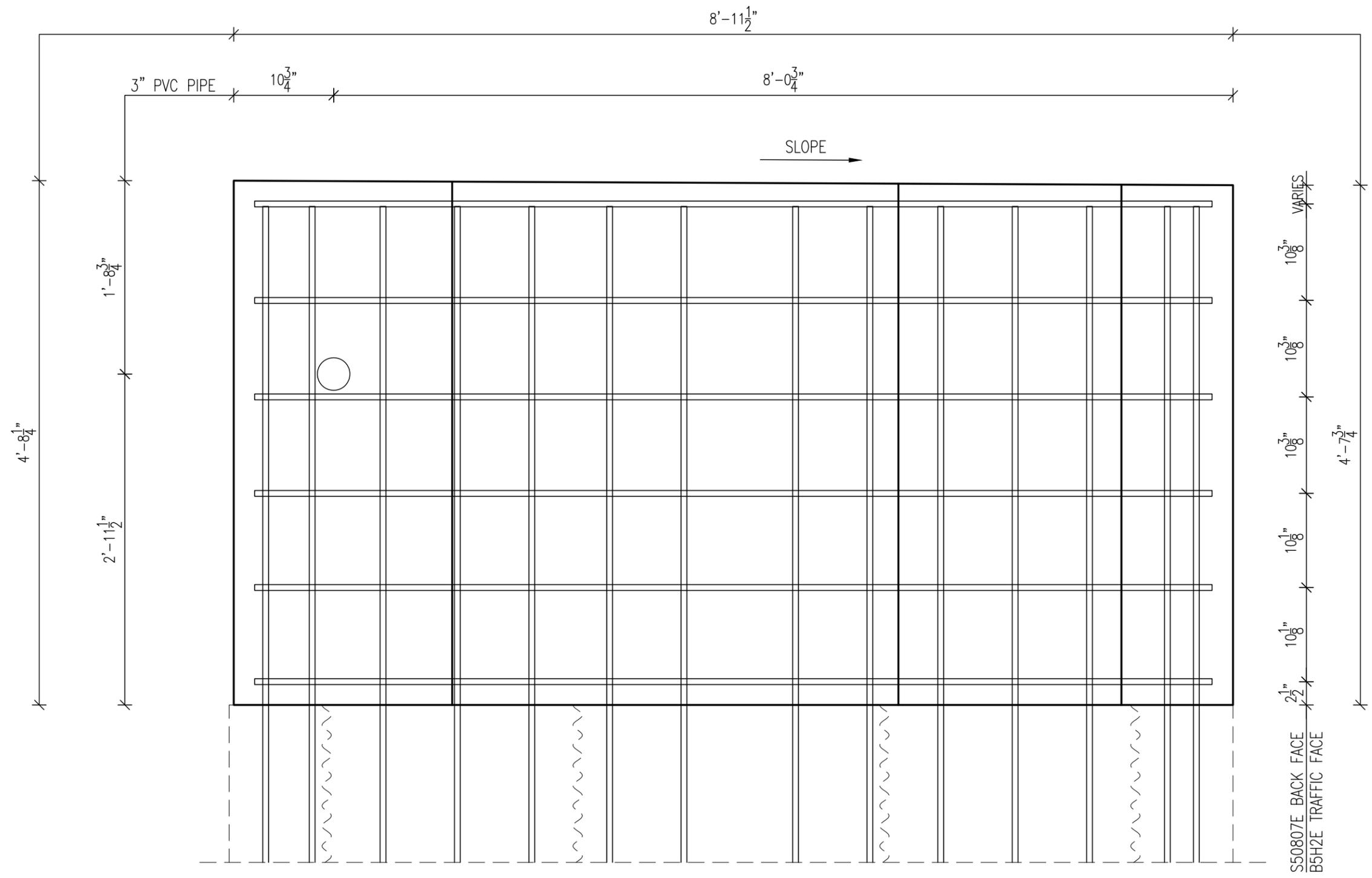
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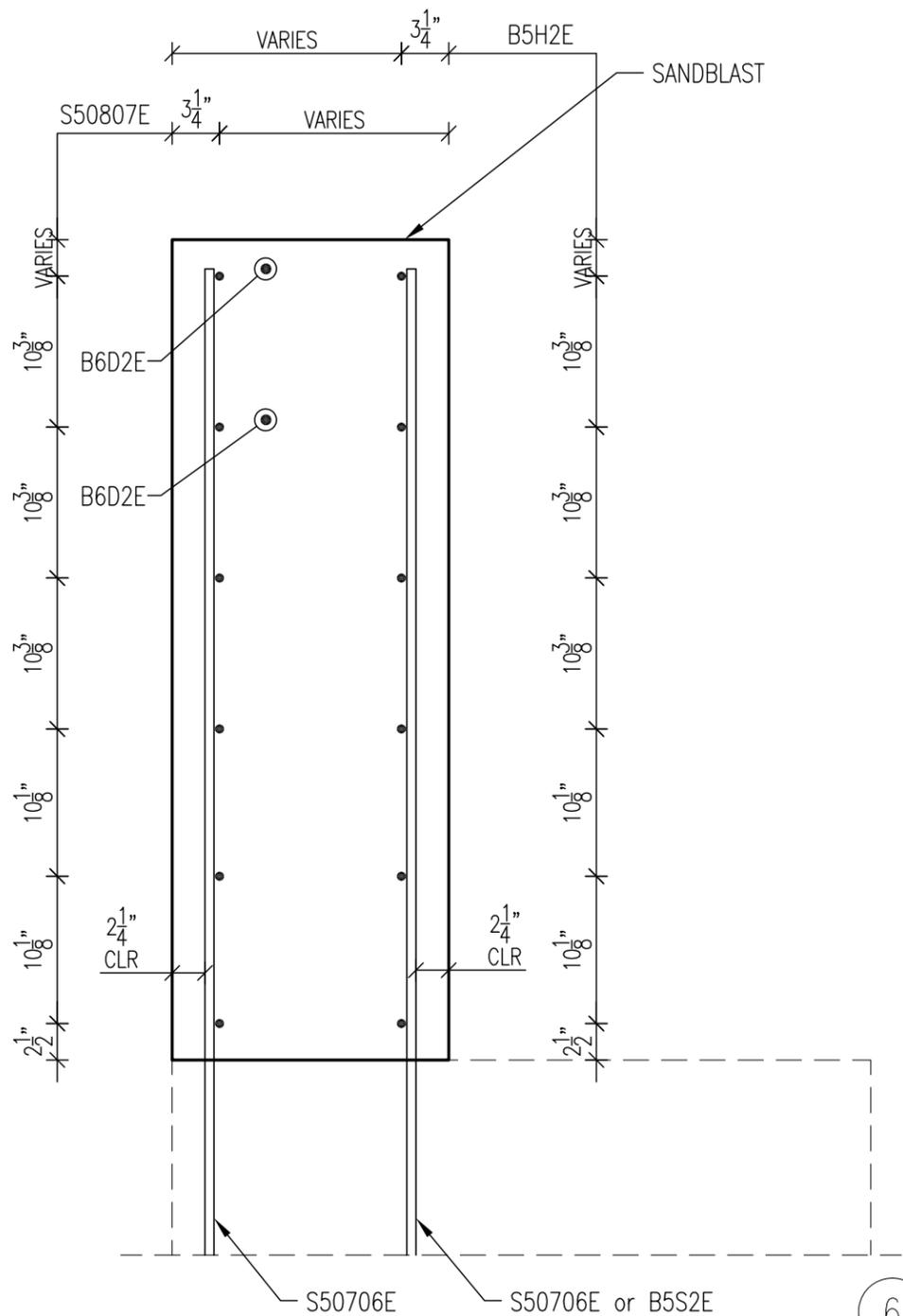
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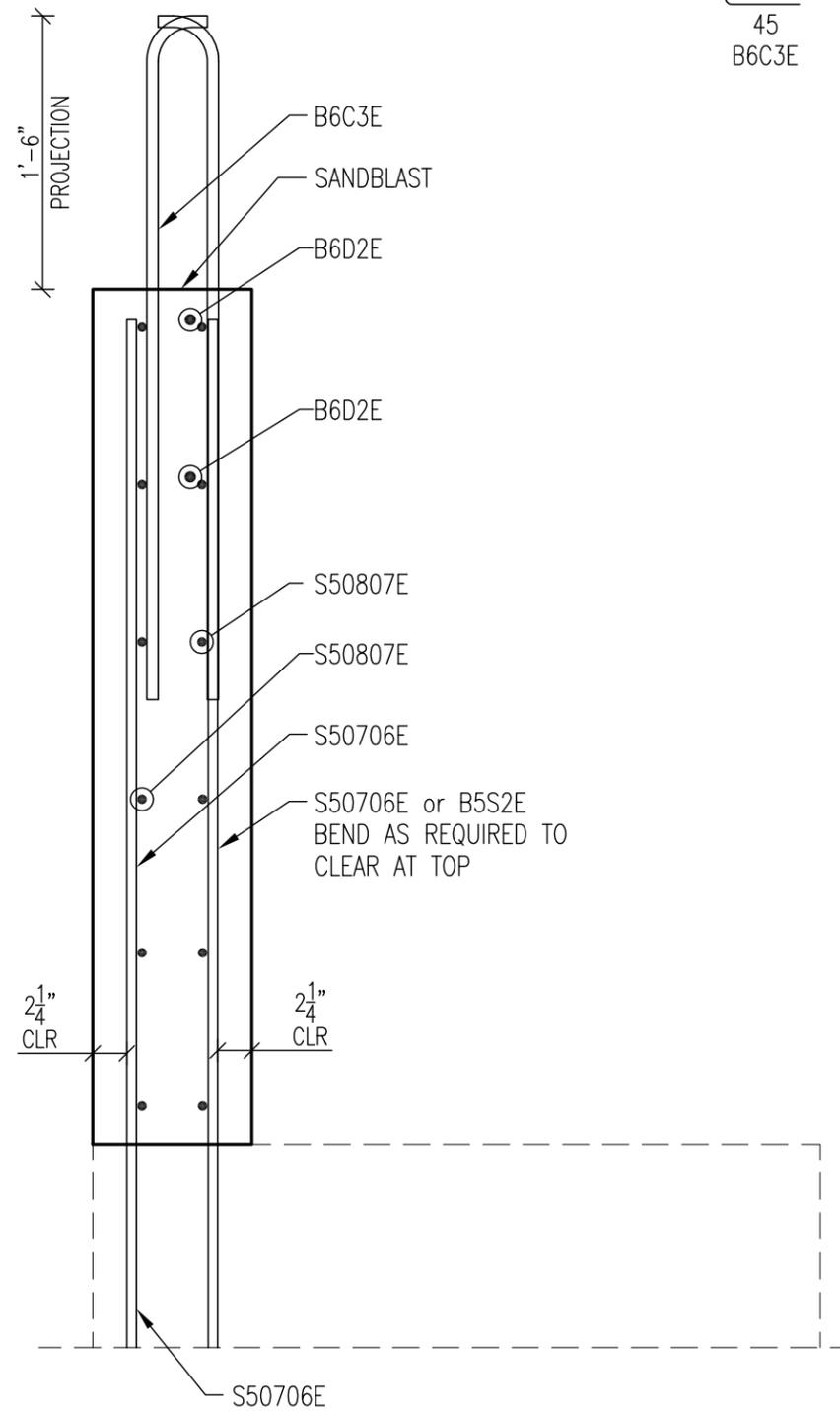
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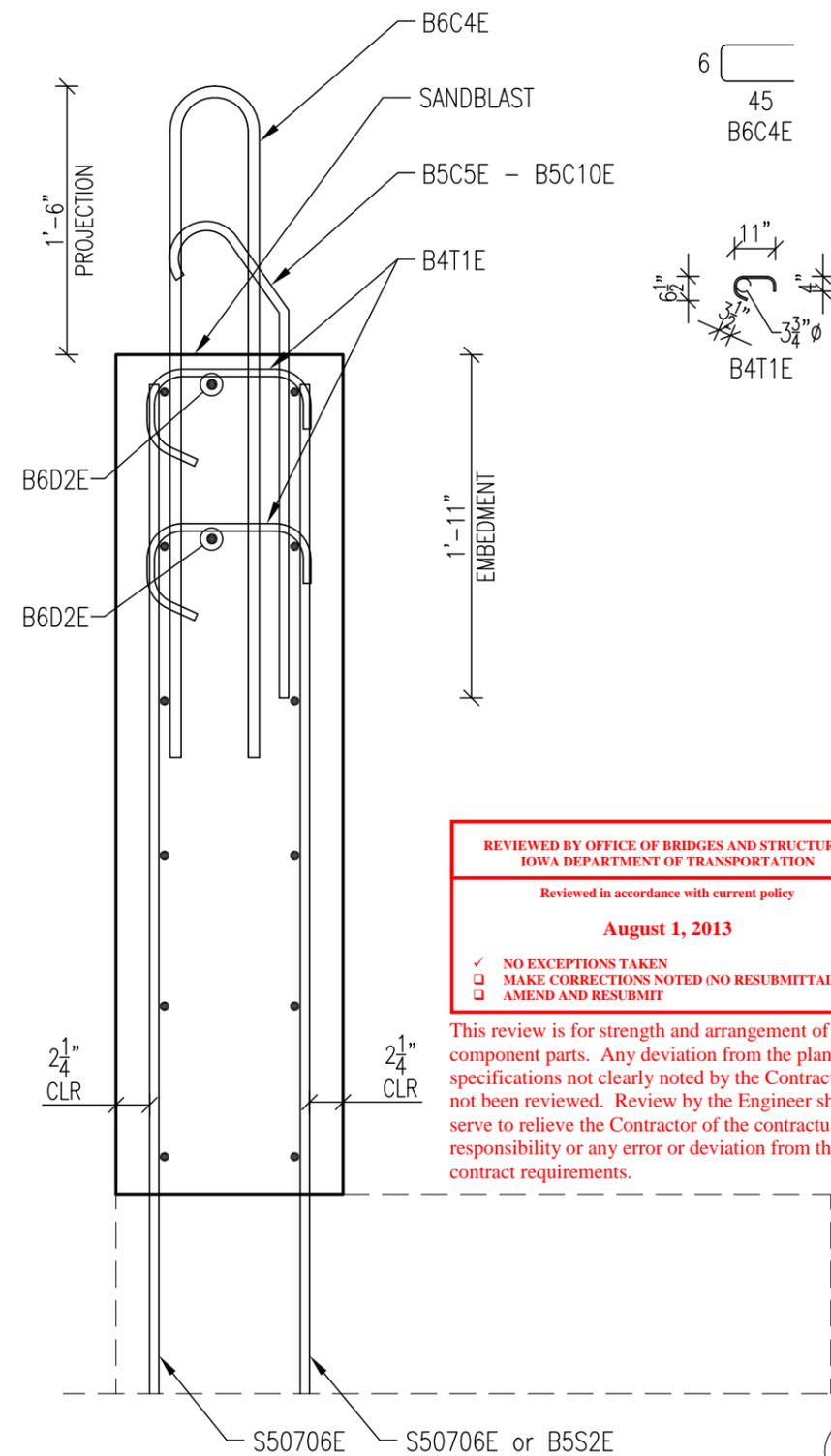
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6



7



8

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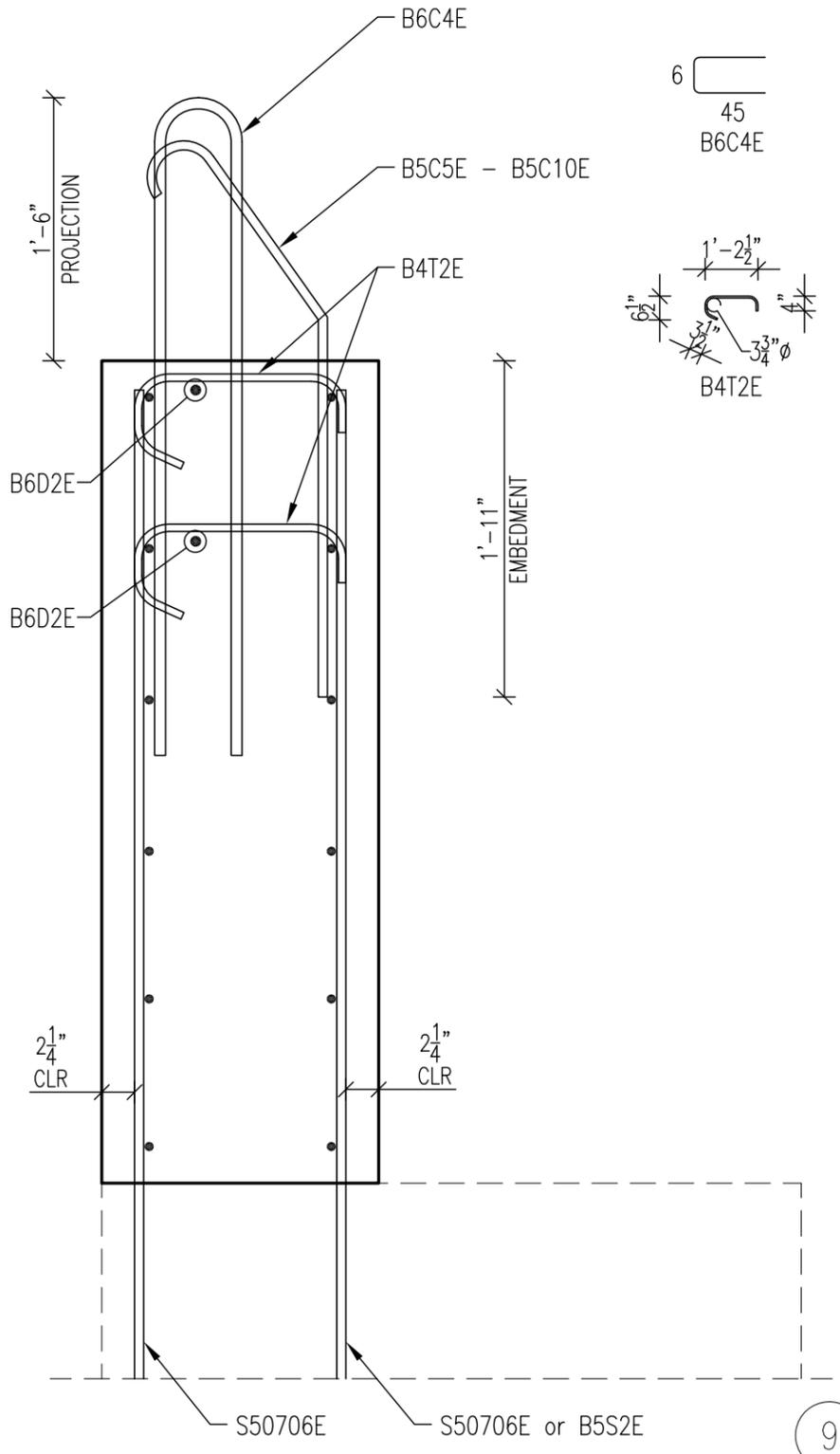
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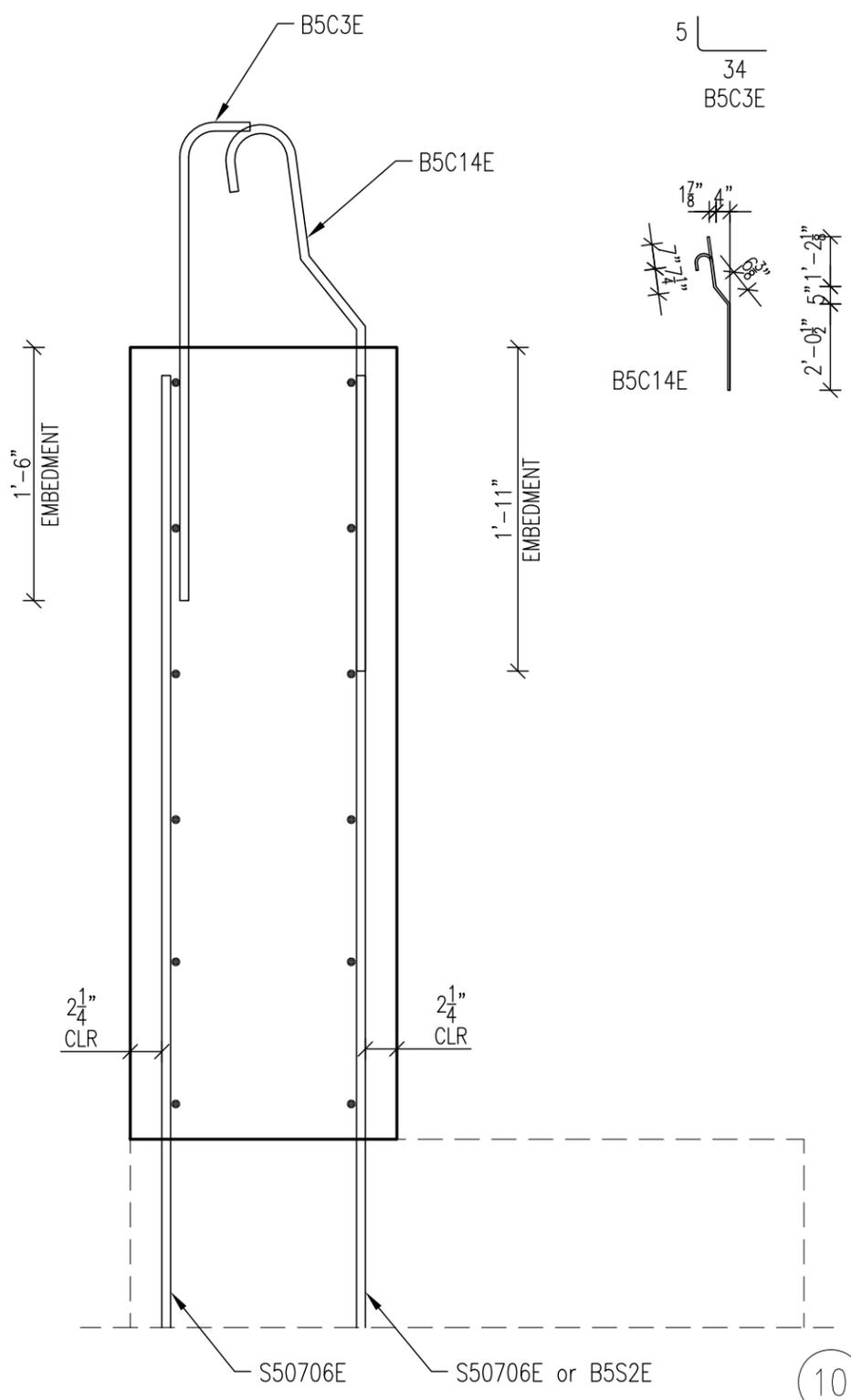
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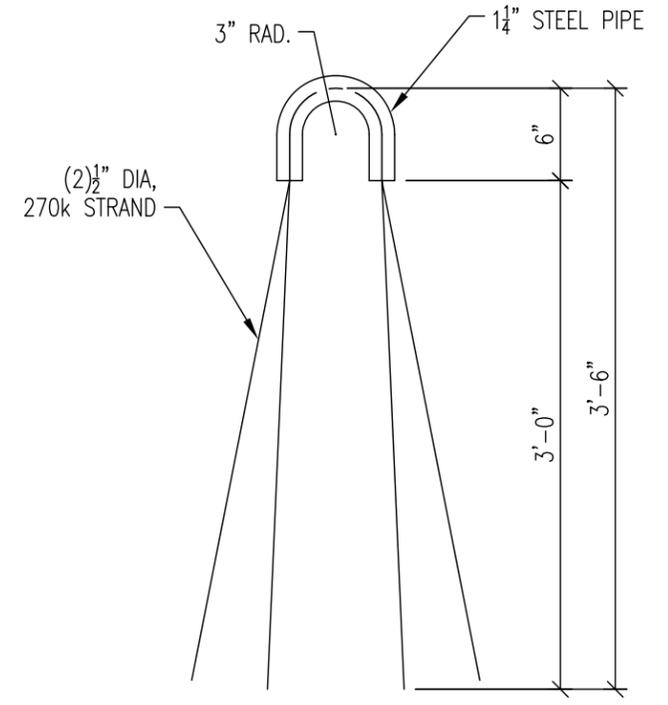
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9



10



NOTE:  
LIFTING LOOP TO BE COATED  
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PAINT PER IM 482.02,  
APPENDIX C.

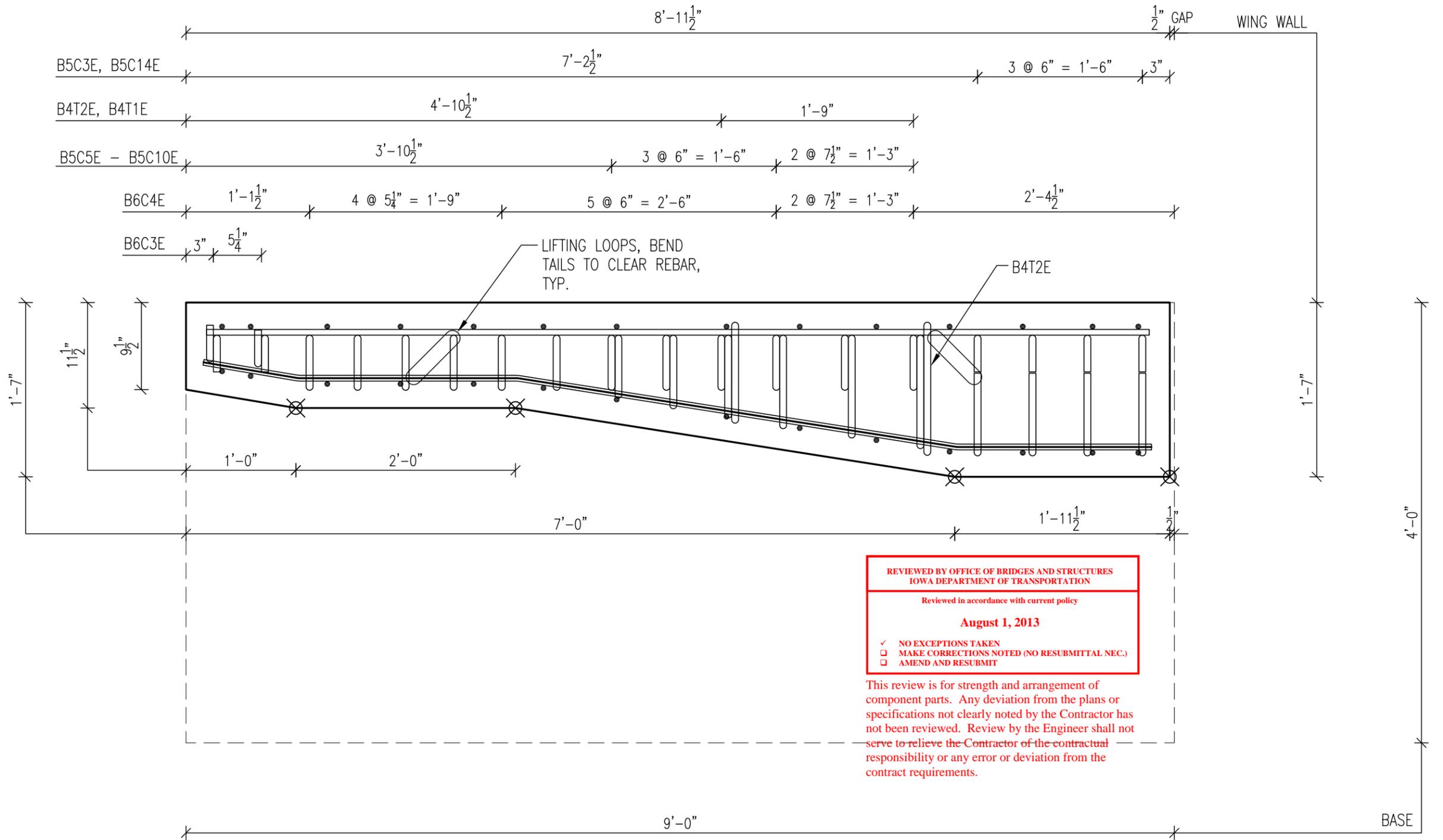
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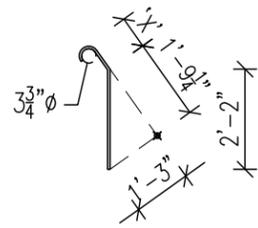
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4  
45  
B6C3E

6  
45  
B6C4E



BAR	
BAR	'X'
B5C5E	0'-6 1/2"
B5C6E	0'-8 1/2"
B5C7E	0'-10 1/2"
B5C8E	1'-0 1/4"
B5C9E	1'-2"
B5C10E	1'-4"



B5C5E-B5C10E

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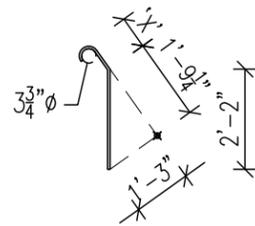


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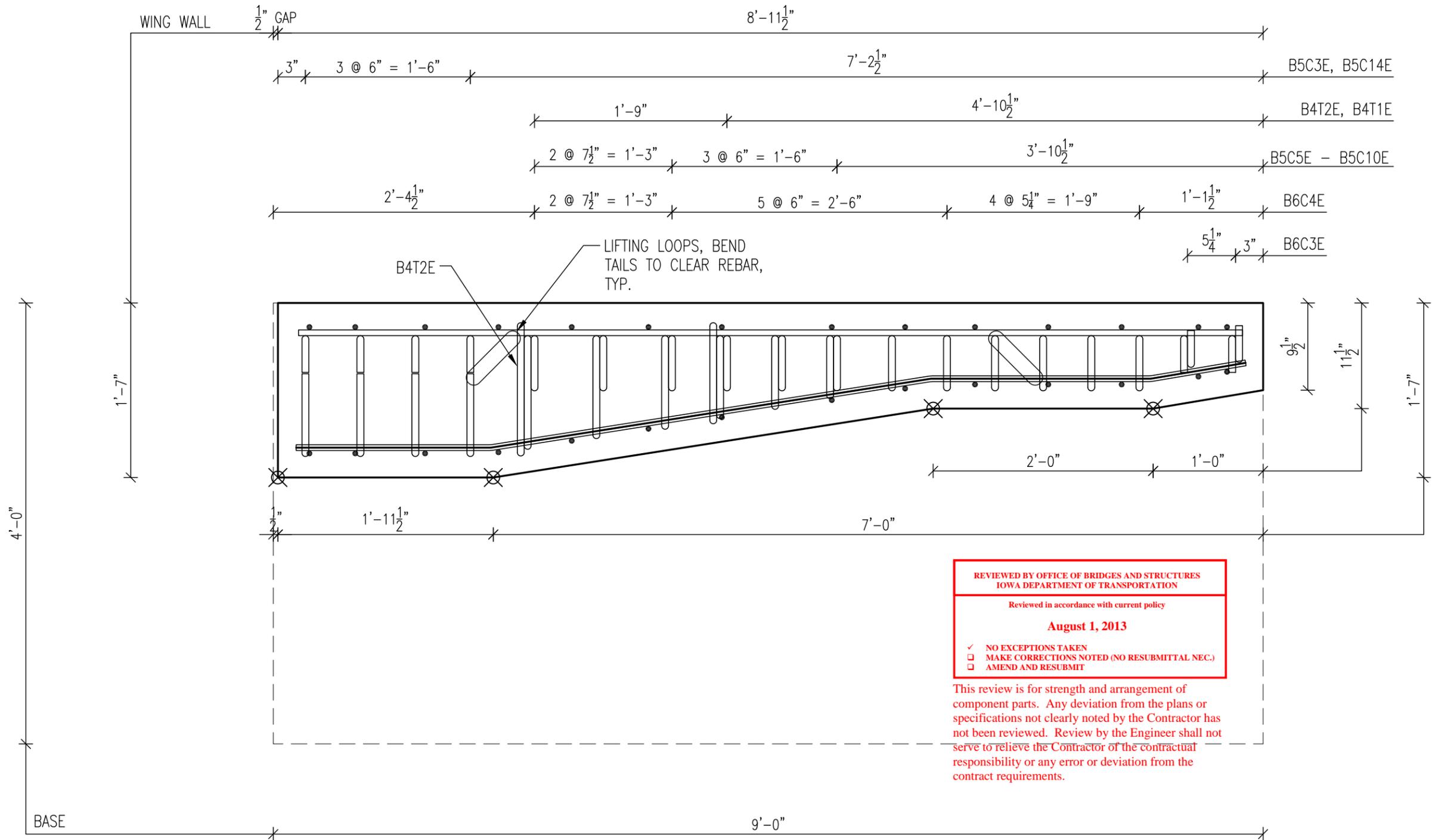
4  
45  
B6C3E

6  
45  
B6C4E

BAR	
BAR	'X'
B5C5E	0'-6 $\frac{1}{2}$ "
B5C6E	0'-8 $\frac{1}{2}$ "
B5C7E	0'-10 $\frac{1}{2}$ "
B5C8E	1'-0 $\frac{1}{4}$ "
B5C9E	1'-2"
B5C10E	1'-4"



B5C5E-B5C10E



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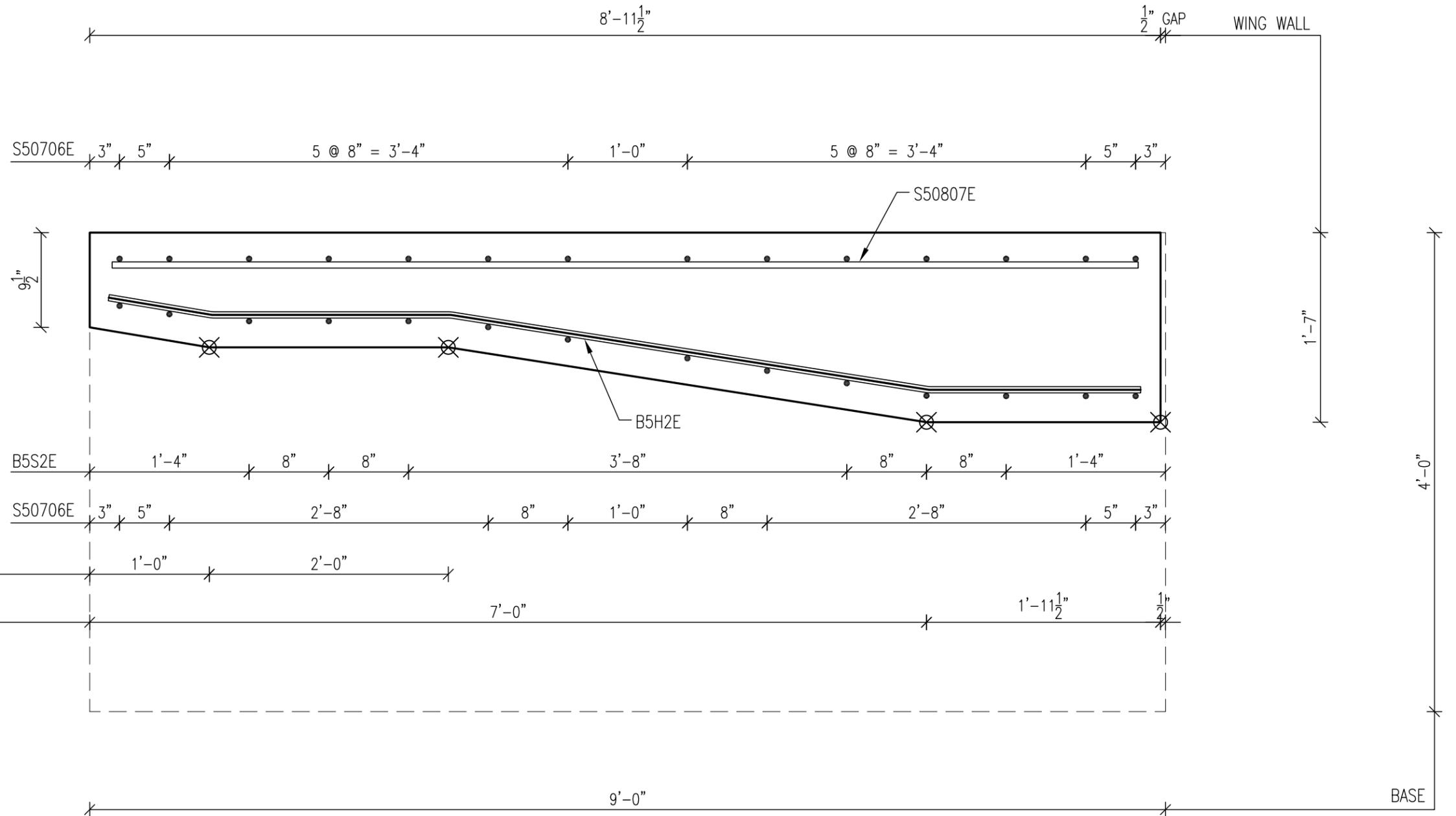
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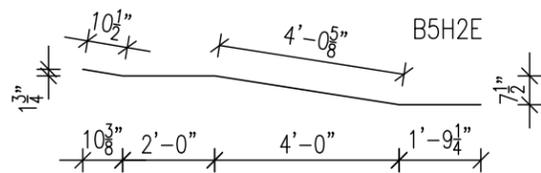
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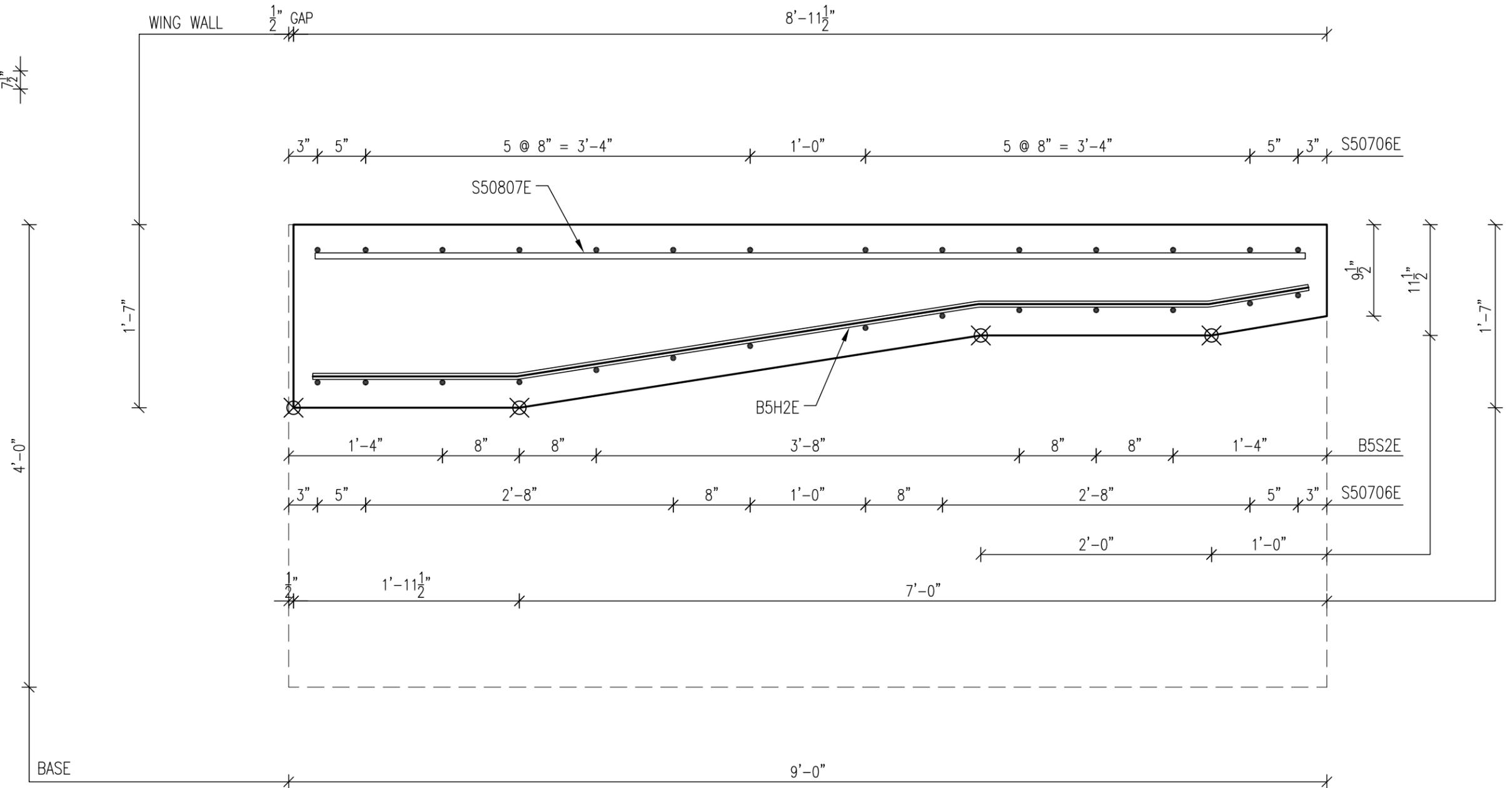
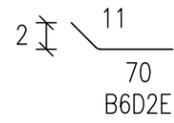
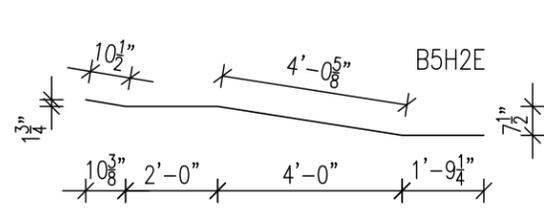
This review is for strength and arrangement of component parts. Any deviation from the plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility or any error or deviation from the contract requirements.



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REVISIONS			EN JEFF B.	PROJECT CASS COUNTY, IOWA	PROJ NUMBER
△			PC JIM S.	BRF-092-2(36)--38-15	213037
△			DR JIM S.	LOCATION MASSENA, IOWA	PRODUCT CODE
△			CH JEFF B.	file name	SS1



REVIEWED BY OFFICE OF BRIDGES AND STRUCTURES  
IOWA DEPARTMENT OF TRANSPORTATION

Reviewed in accordance with current policy

**August 1, 2013**

✓ NO EXCEPTIONS TAKEN  
 MAKE CORRECTIONS NOTED (NO RESUBMITTAL NEC.)  
 AMEND AND RESUBMIT

This review is for strength and arrangement of component parts. Any deviation from the plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility or any error or deviation from the contract requirements.

12A



REVISIONS			EN JEFF B.	PROJECT CASS COUNTY, IOWA	PROJ NUMBER
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