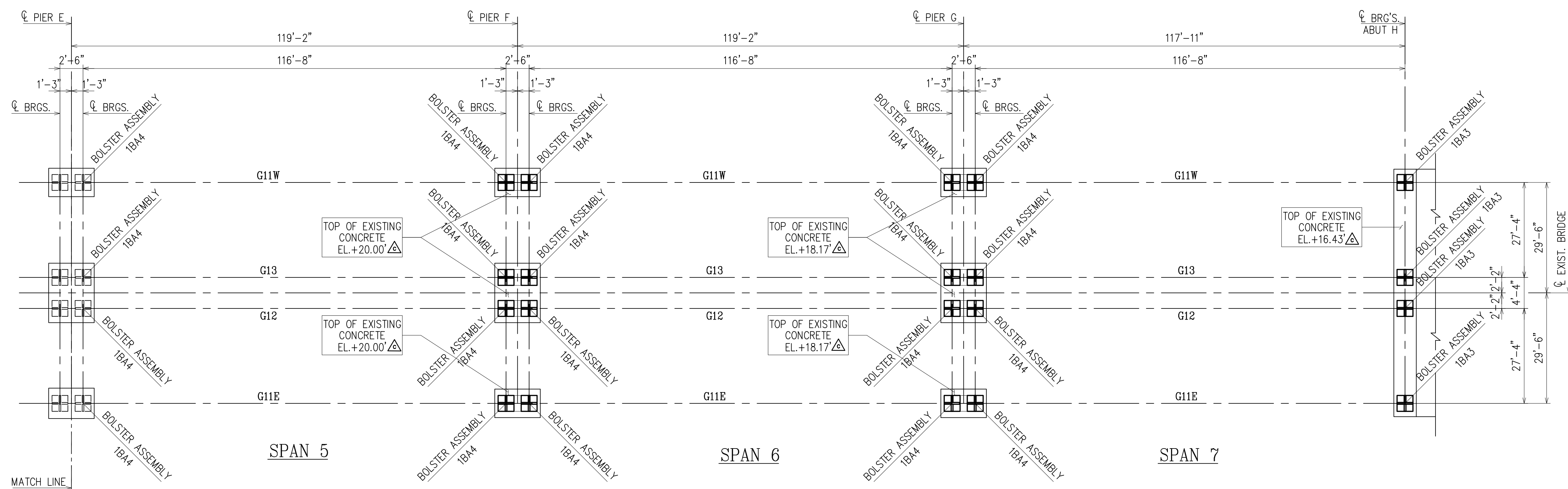
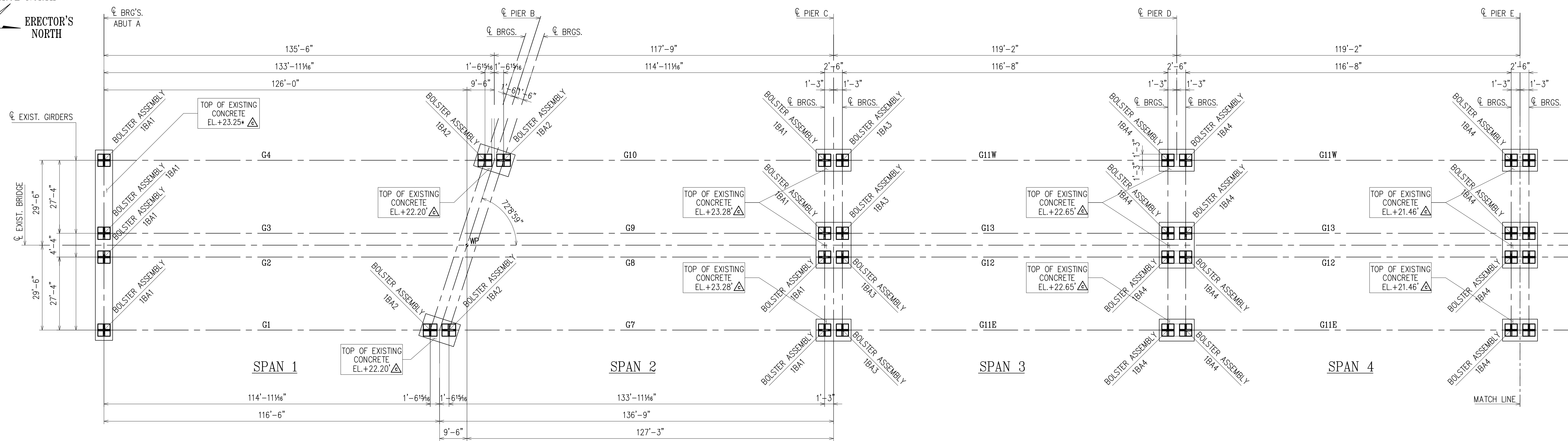


TRUE NORTH

ERECTOR'S NORTH



NOTE: ALL EXISTING DIMENSIONS AND ELEVATIONS HAVE BEEN VERIFIED AND CHECKED BY NRC

\* ELEVATIONS SHOWN REPRESENT TOP OF EXISTING CONCRETE PADS TO BE REMOVED FROM NEW CONSTRUCTION IF REQUIRED PAD HEIGHT= +/- 1"

PARTIAL BOLSTER ASSEMBLY PLAN (SOUTHBOUND)

(RE : B-102)

NOTES : 1) SEE DWG E2 FOR BOLSTER/BRG. DET'S  
2) SEE DWG. GN-1 FOR GENERAL NOTES

FOR APPROVAL ONLY  
NOT FOR FIELD USE

CONTRACTOR'S APPROVAL  
APPROVED BY  
RCC Fabricators, Inc.  
  
Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION
-	D5	-	FOR APPROVAL				

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DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION
12/12/12	D5	1	PER APPROVAL				
7/30/12	SRM	C	ELEVATIONS AS SHOWN				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL				

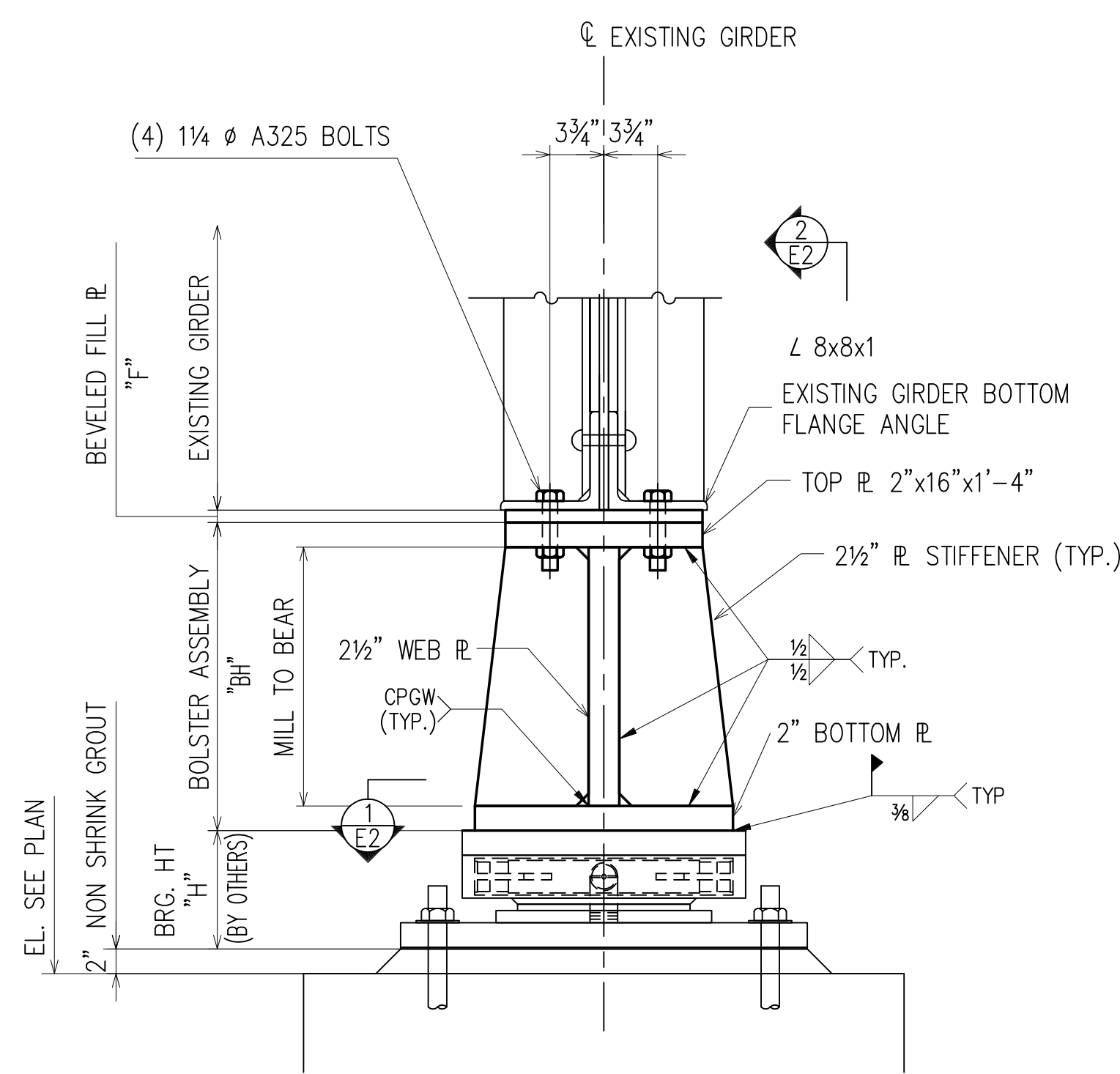
REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS.  
CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC.  
RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL.  
THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED

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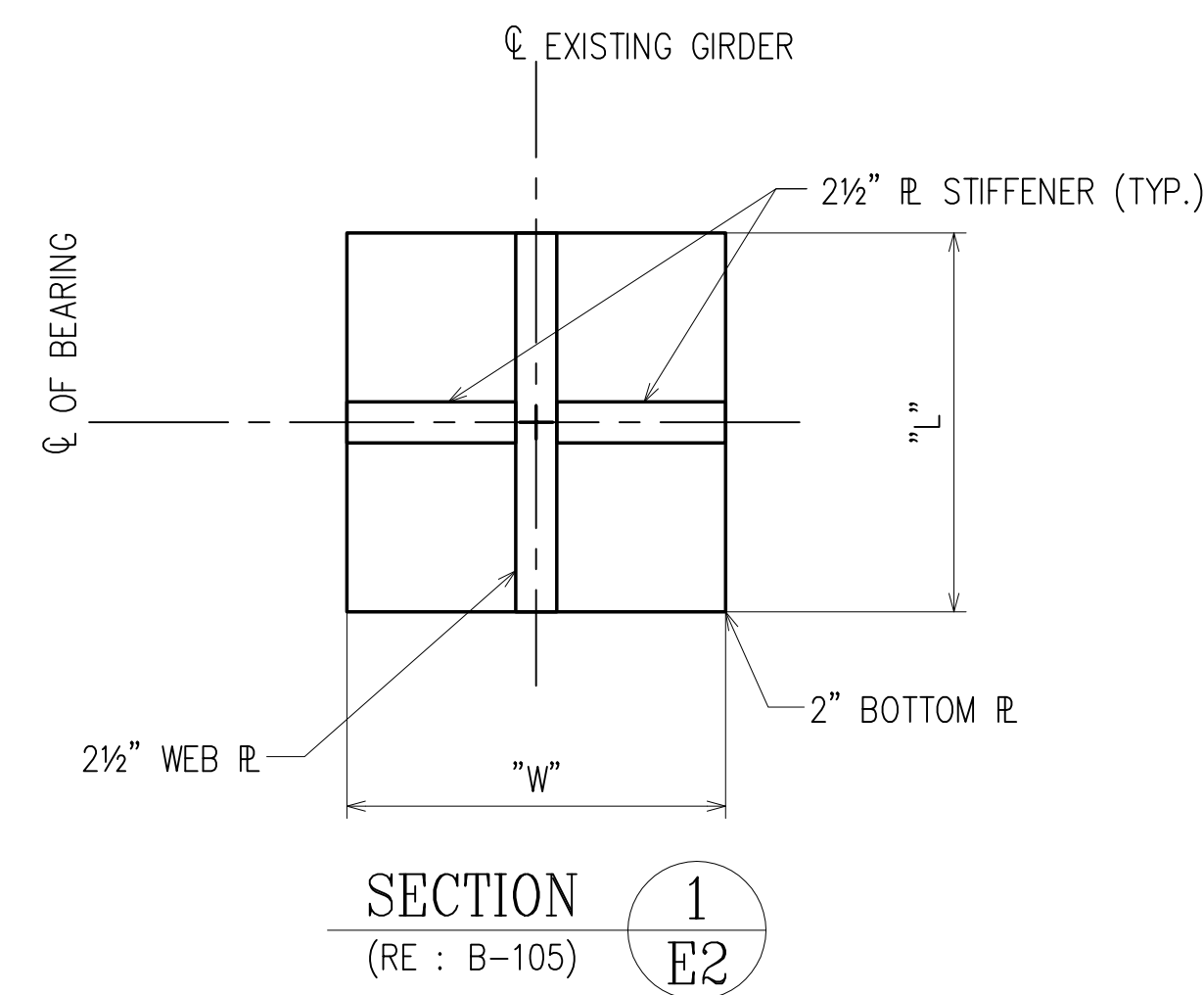
CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	PARTIAL BOLSTER ASSEMBLY PLAN		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/19/11
CHK	JG	DATE	6/29/11
QC		JOB No	F10-0487
REV	1	DRG No	E1



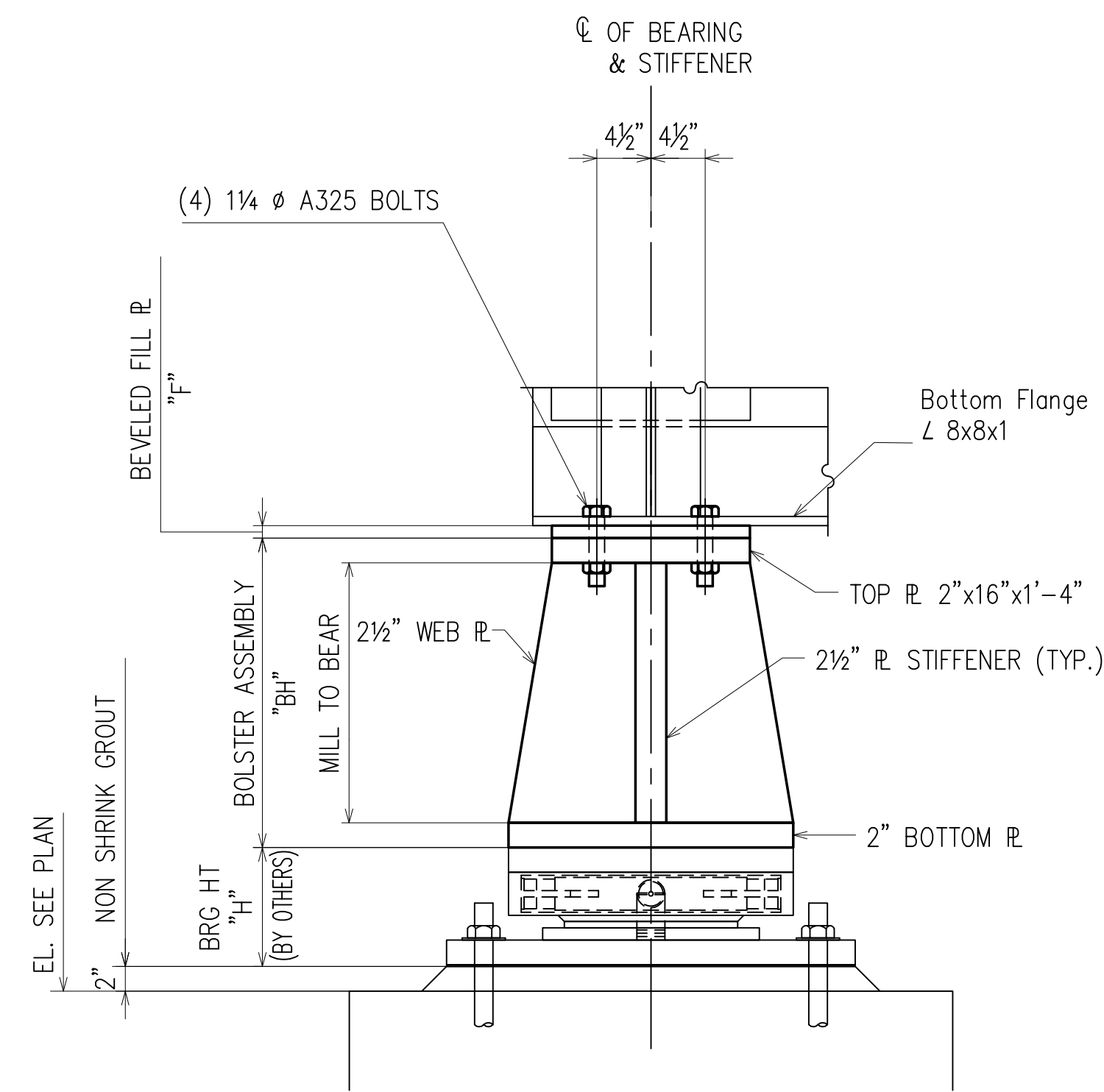
**BOLSTER ASSEMBLY DETAIL**

(RE : B-105)

FOR DIM'S SEE BRG. TABLE THIS SHEET

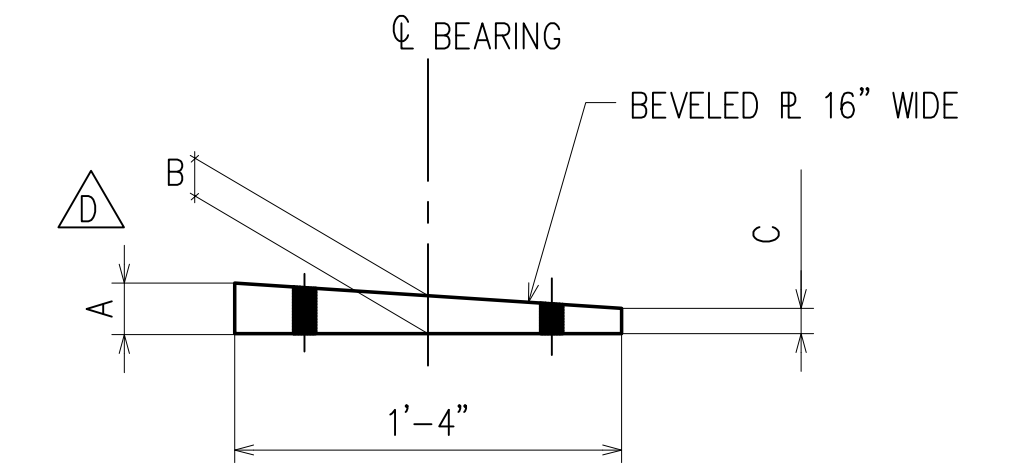


**SECTION 1**  
(RE : B-105)



**SECTION 2**  
(RE : B-105)

FOR DIM'S SEE BRG. TABLE THIS SHEET



**BEVELED FILL PLATE DETAIL**

(RE : B-105)

*NOTE: ALL EXISTING DIMENSIONS AND ELEVATIONS HAVE BEEN VERIFIED AND CHECKED BY NRC*

**BEARING / BOLSTER TABLE**

PIECE MARK	LOCATION	EX. GIRDER "MARK"	TOP OF CONCRETE ELEVATION "TC"	DIST. FROM T.O. CONC. TO B.O. EX. GIRD. "TD"	BRG. HT. INCL. TS & BRG PAD "H"	BOLSTER ASSEMBLY HEIGHT "BH"	2" BOTTOM PLATE		FILL Ñ THICKNESS "F"	FILL MARK	DIMS		
							"L"	"W"			A	B	C
A 1BA1	ABUTMENT A	G1	23'-3"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G2	23'-3"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G3	23'-3"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G4	23'-3"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
B 1BA2	PIER B SOUTH	G1	22'-2 3/8"	3'-6 7/16"	8 1/8"	32 1/16"	24"	22"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G4	22'-2 3/8"	3'-6 7/16"	8 1/8"	32 1/16"	24"	22"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
B 1BA2	PIER B NORTH	G7	22'-2 3/8"	3'-6 7/16"	8 1/8"	32 1/16"	24"	22"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G10	22'-2 3/8"	3'-6 7/16"	8 1/8"	32 1/16"	24"	22"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
A 1BA1	PIER C SOUTH	G7	23'-3 3/8"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G8	23'-3 3/8"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G9	23'-3 3/8"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
		G10	23'-3 3/8"	2'-3"	7 15/16"	16 13/16"	20"	18"	1 1/4"	BFP-1	1 1/4"	1 1/4"	1 1/4"
C 1BA3	PIER C NORTH	G11E	23'-3 3/8"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G12	23'-3 3/8"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G13	23'-3 3/8"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G11W	23'-3 3/8"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
D 1BA4	PIER D	G11E	22'-7 13/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G12	22'-7 13/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G13	22'-7 13/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"
		G11W	22'-7 13/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 1/4"	1 1/4"	1 3/16"

**BEARING / BOLSTER TABLE**

PIECE MARK	LOCATION	EX. GIRDER "MARK"	TOP OF CONCRETE ELEVATION "TC"	DIST. FROM T.O. CONC. TO B.O. EX. GIRD. "TD"	BRG. HT. INCL. TS & BRG PAD "H"	BOLSTER ASSEMBLY HEIGHT "BH"	2" BOTTOM PLATE		FILL Ñ THICKNESS "F"	FILL MARK	DIMS		
							"L"	"W"			A	B	C
D 1BA4	PIER E NORTH	G11E	21'-5 1/2"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G12	21'-5 1/2"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
1BA4	PIER E SOUTH	G13	21'-5 1/2"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 5/16"	1 1/4"	1 3/16"
		G11W	21'-5 1/2"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-2	1 5/16"	1 1/4"	1 3/16"
D 1BA4	PIER F	G11E	20'-0"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G12	20'-0"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G13	20'-0"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G11W	20'-0"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
D 1BA4	PIER G	G11E	18'-2 1/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G12	18'-2 1/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G13	18'-2 1/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G11W	18'-2 1/16"	2'-3"	7 1/2"	17 1/4"	24"	22"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
C 1BA3	ABUTMENT H	G11E	16'-5 3/16"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G12	16'-5 3/16"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G13	16'-5 3/16"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"
		G11W	16'-5 3/16"	2'-3"	13 5/16"	11 7/16"	20"	18"	1 1/4"	BFP-3	1 3/8"	1 1/4"	1 1/8"

**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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12/12/12	D5	1	PER APPROVAL				
8/17/12	SRM	E	PER CONTRACTOR COMMENTS				
7/31/12	SRM	D	TABLE REVISIONS AS SHOWN				
4/6/12	D5	C	PER APPROVAL				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL	12/17/12	D5	2	FOR APPROVAL

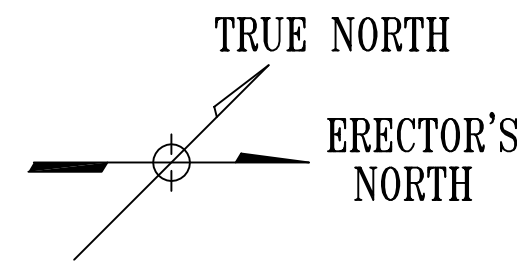
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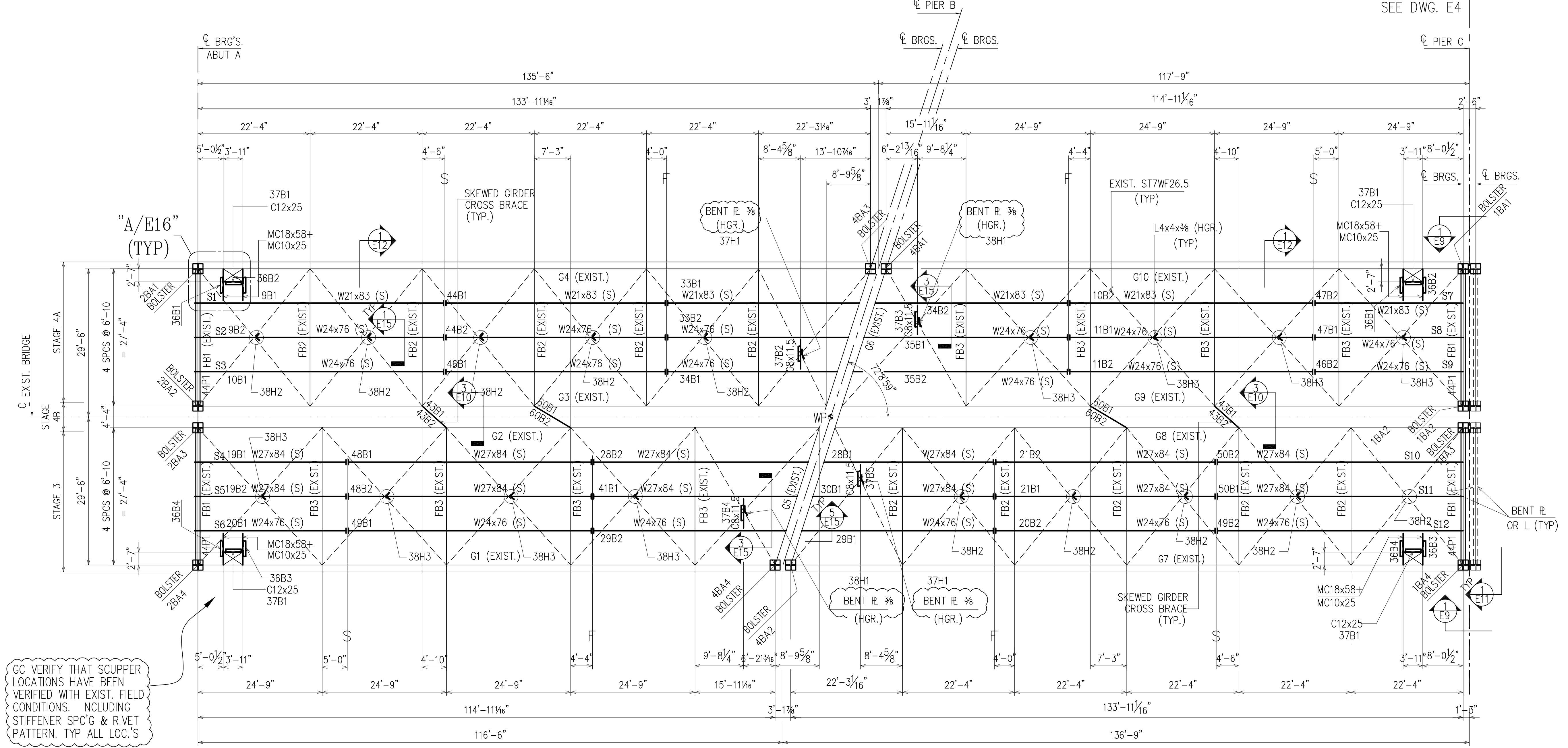
MATERIAL	A709 U.N.O.	HOLES	1 5/16" Ø U.N.O.	BOLTS	3/8" Ø A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv.	FINISH	ONE SHOP COAT	OTHER	-
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.					



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CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9		
OWNER	NEW JERSEY TURNPIKE AUTHORITY				
TITLE	BOLSTER ASSEMBLY DETAILS				
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9				
BY	D5	DATE	3/25/11	CHK	SAV
DATE	6/29/11	QC		JOB No	F10-0487
REV	2	DRG No	E2		



MATCH LINE  
SEE DWG. E4



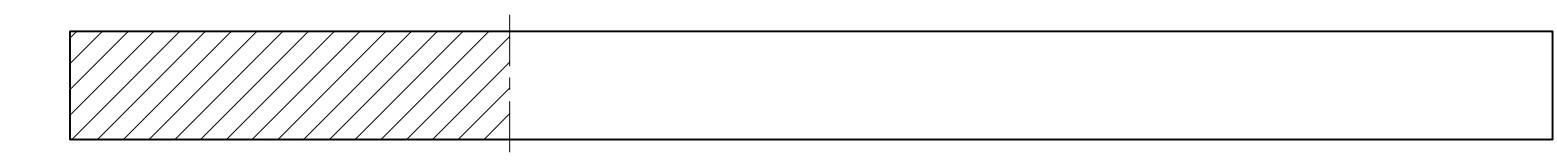
SPAN 1

SPAN 2

**PARTIAL FRAMING PLAN**  
(REF : B104)

- NOTES :
1. TOP OF STEEL ELEVATIONS ARE NOTED THUS (+'-X") ON PLAN
  2. (S) INDICATES SLOPING MEMBER.
  3. SEE DWG GN-1 FOR GENERAL NOTES.
  4. # INDICATES C OF FIELD SPLICE
  5. \$ INDICATES C OF OPTIONAL SHOP SPLICE
  6. SEE DWG'S E5-E8 FOR GIRDER ELEV'S
  7. SEE DWG. E13 FOR STRINGER ELEV'S

PLEASE SUPPLY  
TOP OF EACH  
EXISTING STEEL  
ELEVATION



**GC TO CONFIRM  
ALL DIMENSIONS**

KEY PLAN

FOR APPROVAL ONLY  
NOT FOR FIELD USE

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				4/6/12	D5	1	PER APPROVAL								
				11/28/11	D5	B	FOR APPROVAL								
				10/21/11	D5	A	FOR APPROVAL								
-	D5	-	FOR APPROVAL												

PRINT RECORD

REVISION RECORD

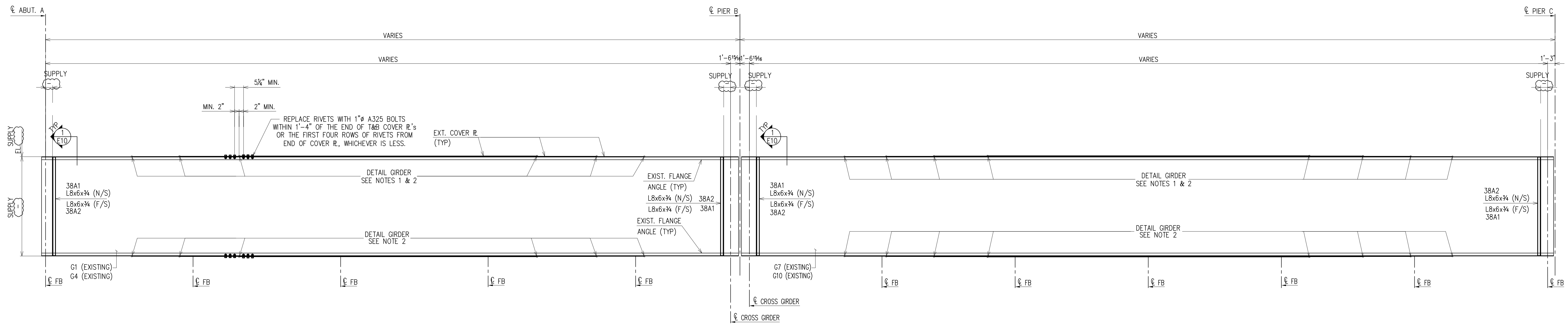


MATERIAL	A709 U.N.O.	HOLES	1/4" U.N.O.	BOLTS	3/8" A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv. FINISH	ONE SHOP COAT	OTHER	-	
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.					

<b>RCC Fabricators, Inc.</b>			
2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355			
CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	PARTIAL FRAMING PLAN		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/19/11
CHK	JG	DATE	6/29/11
QC		JOB No	F10-0487
REV	1	DRG No	E3







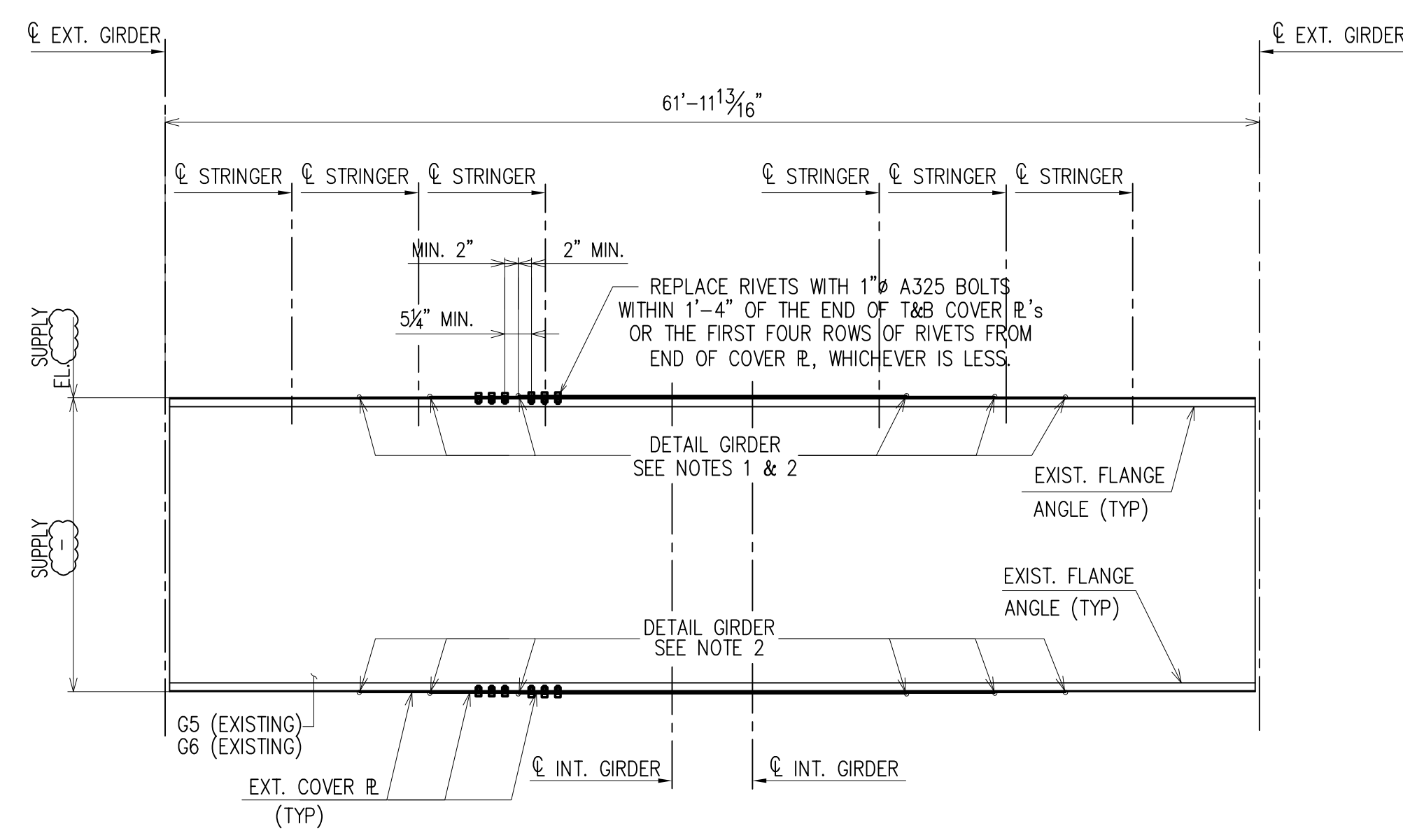
**EXTERIOR GIRDER ELEVATIONS - SPANS 1 & 2**

(RE : B-108)

GIRDERS G1 & G7 (AS SHOWN)  
GIRDERS G10 & G4 (OPP. HAND)

- NOTES : 1) SEE DWG E8 FOR TYPICAL GIRDER NOTES  
2) SEE DWG GN-1 FOR GENERAL NOTES

**GC TO CONFIRM  
ALL DIMENSIONS**

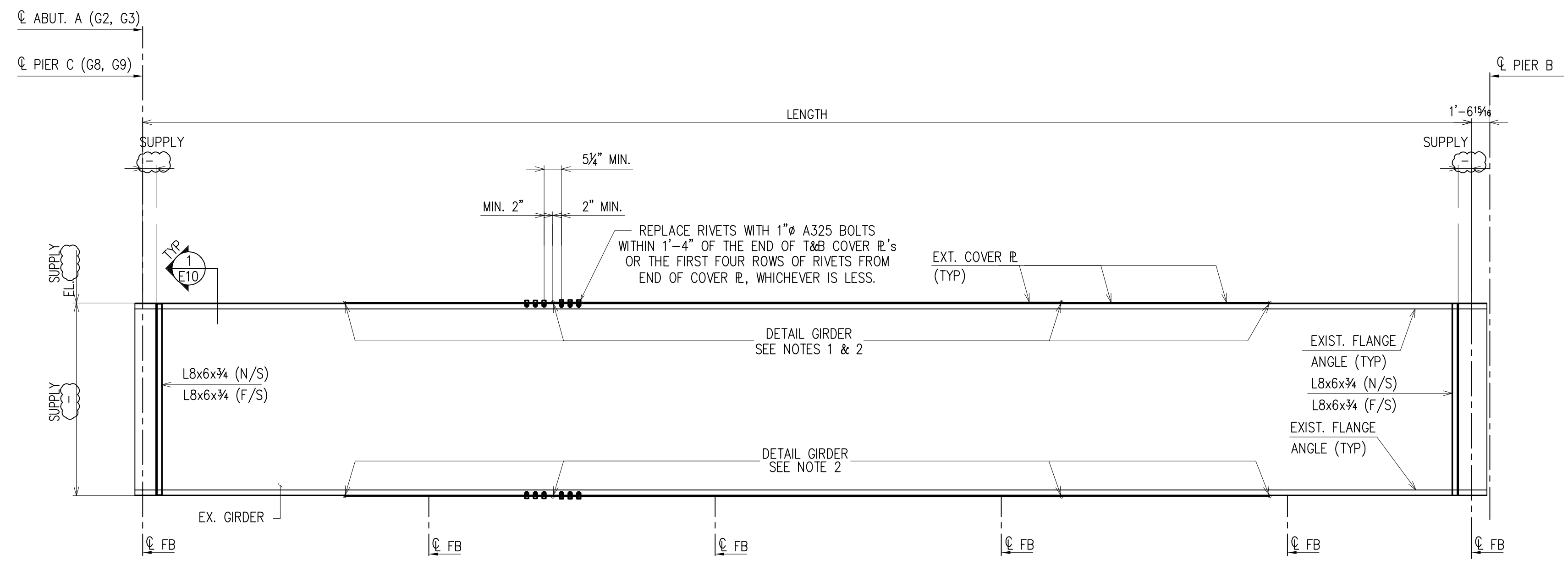


**CROSS GIRDER ELEVATION**

(RE : B-108)

GIRDER G5 (AS SHOWN)  
GIRDER G6 (SIMILAR)

- NOTES : 1) SEE DWG E8 FOR TYPICAL GIRDER NOTES  
2) SEE DWG GN-1 FOR GENERAL NOTES



**INTERIOR GIRDER ELEVATIONS - SPANS 1 & 2**

(RE : B-108)

GIRDER G3 (AS SHOWN) GIRDER G2 (SIMILAR)  
GIRDERS G8 & G9 (OPP. HAND)

- NOTES : 1) SEE DWG E8 FOR TYPICAL GIRDER NOTES  
2) SEE DWG GN-1 FOR GENERAL NOTES

**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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NOT FOR FIELD USE

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION
				4/6/12	D5	1	PER APPROVAL								
				11/28/11	D5	B	FOR APPROVAL								
				10/21/11	D5	A	FOR APPROVAL								
	D5		FOR APPROVAL												

PRINT RECORD

REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.

ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -

APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.

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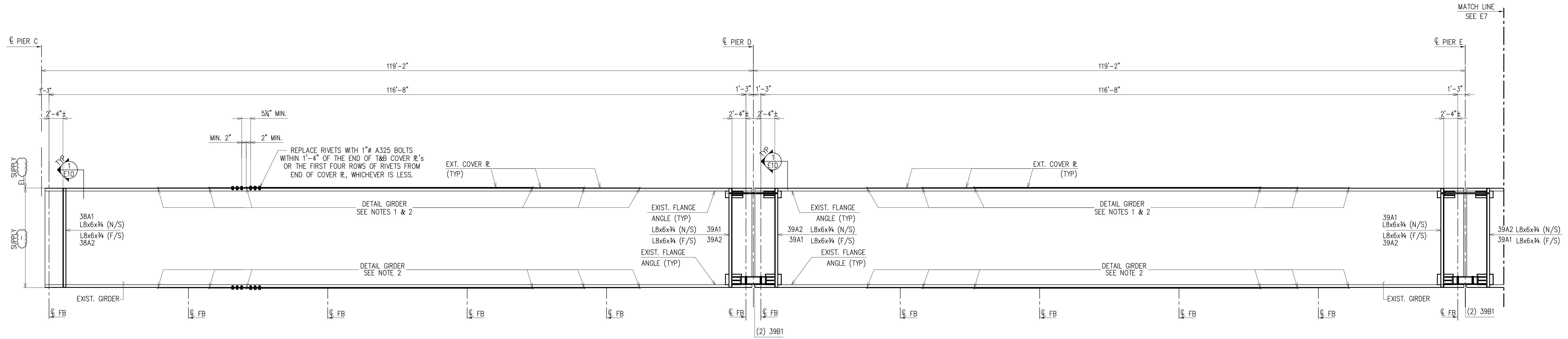
CONTRACT # P100.130 LOCATION : MILEPOST 51.9

OWNER NEW JERSEY TURNPIKE AUTHORITY

TITLE GIRDER ELEVATIONS

PROJECT BASS RIVER BRIDGE / SOUTHBOUND MILEPOST 51.9

BY D5 DATE 3/19/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 1 DRG No E5



**GIRDER ELEVATIONS - SPANS 3 & 4**  
(RE : B-108)

- NOTES : 1) SEE DWG E8 FOR TYPICAL GIRDER NOTES  
2) SEE DWG GN-1 FOR GENERAL NOTES

**GC TO CONFIRM  
ALL DIMENSIONS**

FOR APPROVAL ONLY  
NOT FOR FIELD USE

CONTRACTOR'S APPROVAL  
APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION	DATE	BY	REV	DESCRIPTION
-	D5	-	FOR APPROVAL	11/28/11	D5	B	FOR APPROVAL				
				10/21/11	D5	A	FOR APPROVAL				

PRINT RECORD

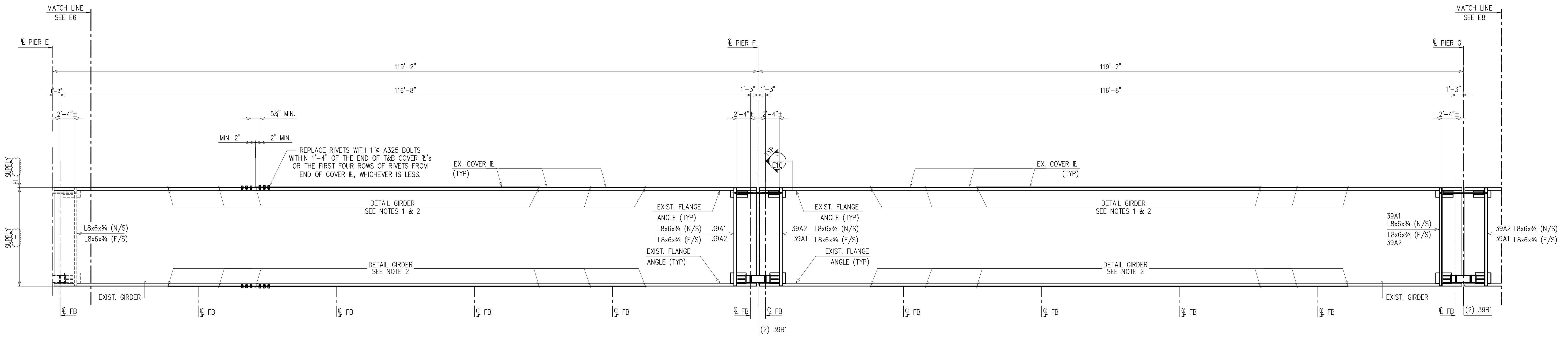
REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS.  
CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC.  
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2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355  
CONTRACT # P100.130 LOCATION : MILEPOST 51.9  
OWNER NEW JERSEY TURNPIKE AUTHORITY  
TITLE GIRDER ELEVATIONS  
PROJECT BASS RIVER BRIDGE / SOUTHBOUND MILEPOST 51.9  
BY D5 DATE 3/19/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 0 DRG No E6



GIRDER ELEVATIONS - SPANS 5 & 6  
(RE : B-108)

- NOTES : 1) SEE DWG E8 FOR TYPICAL GIRDER NOTES  
2) SEE DWG GN-1 FOR GENERAL NOTES

CONTRACTOR'S APPROVAL  
APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

**GC TO CONFIRM  
ALL DIMENSIONS**

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-	D5	-	FOR APPROVAL	11/28/11	D5	B	FOR APPROVAL								
				10/21/11	D5	A	FOR APPROVAL								

PRINT RECORD

REVISION RECORD

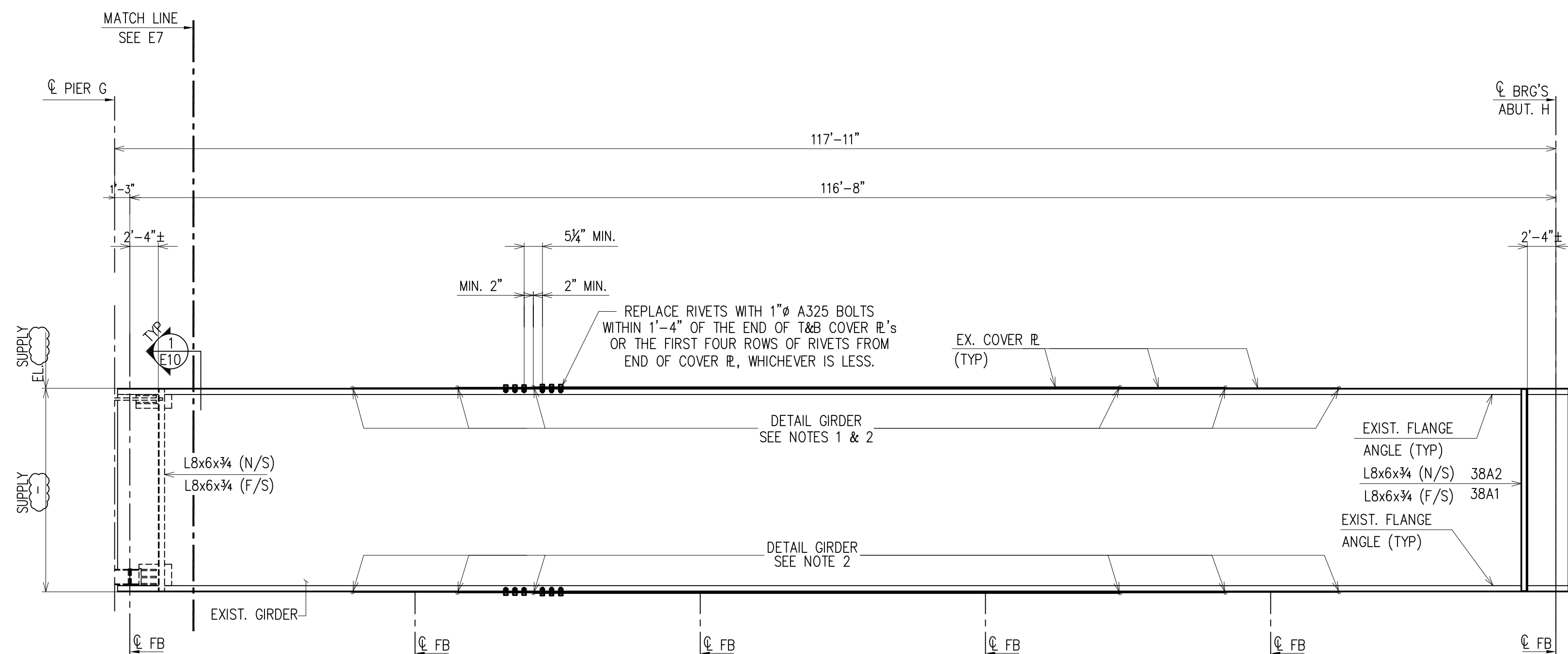


MATERIAL A709 U.N.O. HOLES 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS.  
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CONTRACT # P100.130 LOCATION : MILEPOST 51.9  
OWNER NEW JERSEY TURNPIKE AUTHORITY  
TITLE GIRDER ELEVATIONS  
PROJECT BASS RIVER BRIDGE / SOUTHBOUND MILEPOST 51.9  
BY D5 DATE 3/19/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 0 DRG No E7





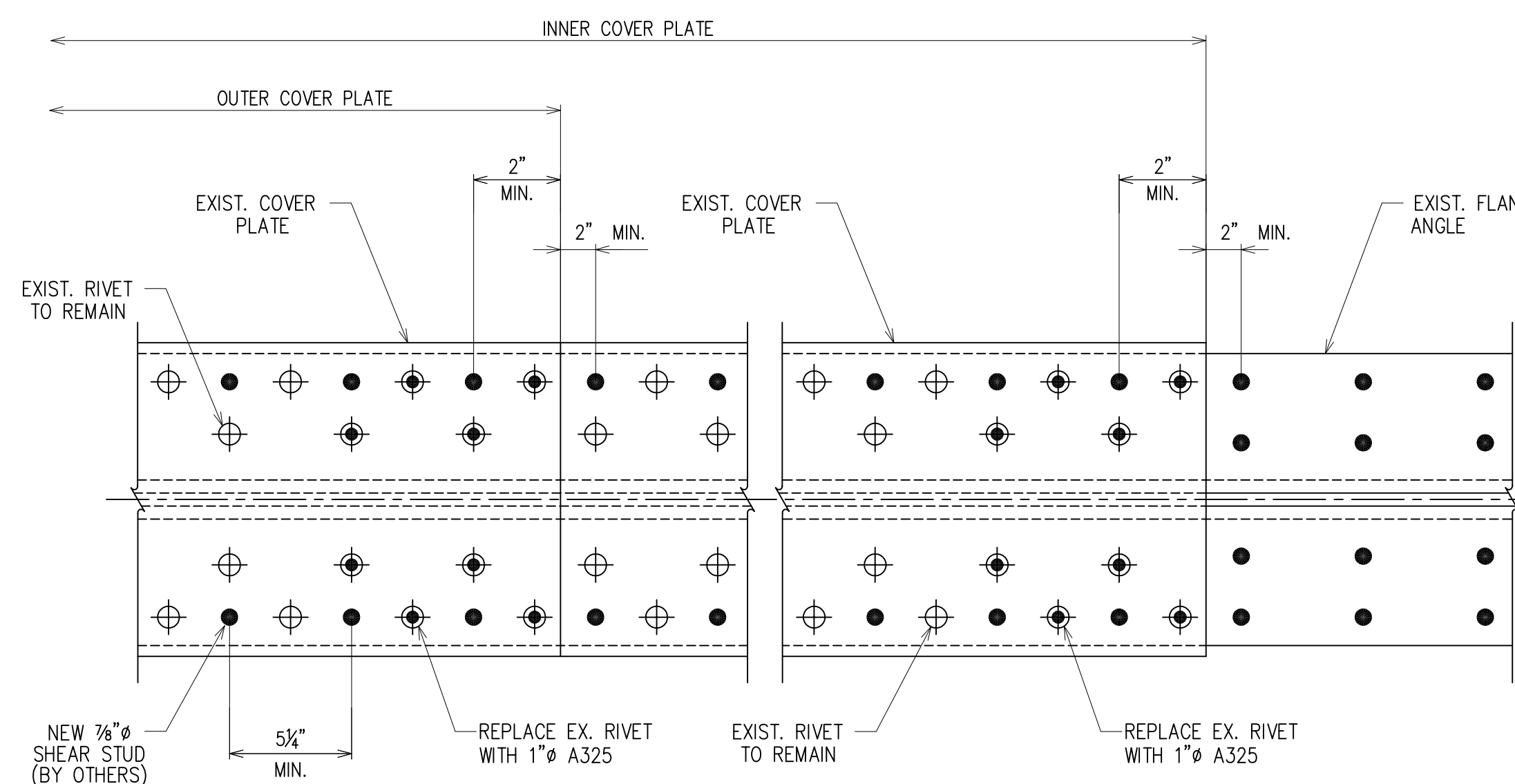
**GIRDER ELEVATIONS - SPAN 7**  
(RE : B-108)

NOTES : 1) SEE DWG GN-1 FOR GENERAL NOTES

**GC TO CONFIRM  
ALL DIMENSIONS**

**GIRDER DETAIL NOTES:**

1. THE CONTRACTOR SHALL ADJUST STUD ROW SPACING NEAR THE END OF COVER PLATES AND ALONG THE LENGTH OF THE COVER PLATES TO AVOID RIVETS. THIS MAY REQUIRE TIGHTER SPACING THAN SHOWN ON GIRDER ELEVATIONS AS WELL AS ADDITIONAL ROW(S) OF STUDS. MAXIMUM SPACING OF ADJACENT ROW OF STUDS SHALL NOT EXCEED THE STUD SPACING SHOWN ON GIRDER ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING RIVET PATTERN AND SPACING. SEE DETAILS THIS SHEET FOR CROSS SECTION FOR STUD PLACEMENT AND ADJUSTMENT IN STUD SPACING AT ALL COVER PLATE ENDS.
2. RIVET REPLACEMENT WITH HIGH STRENGTH BOLTS IS REQUIRED AT THE END OF ALL COVER PLATES. FOR DETAILS AND LIMIT OF RIVET REMOVAL SEE DETAIL THIS SHEET. REPLACE RIVETS WITH NEW HIGH STRENGTH BOLTS WITHIN THE FIRST 16" OF THE COVER PLATE ENDS OR THE FIRST FOUR ROWS OF RIVETS FROM THE END OF COVER PLATE AS SHOWN ON THE RIVET REPLACEMENT DETAIL, WHICHEVER IS LESS.
3. NEW STIFFENER ANGLES FOR EXISTING GIRDERS IN SPANS 1 AND 2 MAY BE LOCATED AS REQUIRED TO ACCOMMODATE THE CONTRACTOR'S JACKING DESIGN. NEW STIFFENERS IN SPANS 3 THRU 7 SHALL BE LOCATED AS SHOWN IN THE PLANS. CONTRACTOR SHALL DETERMINE IF ADDITIONAL GIRDER STIFFENERS ARE REQUIRED IN ACCORDANCE WITH THE JACKING NOTES AND SECTION 431 OF THE SPECIFICATIONS.



**EXISTING COVER PLATE ENDS  
RIVET REPLACEMENT DETAIL**  
(RE : B-110)

TYPICAL AT COVER PLATE TERMINATIONS  
ON THE TOP AND BOTTOM FLANGE  
OF ALL GIRDERS AND CROSS GIRDERS

**FOR APPROVAL ONLY  
NOT FOR FIELD USE**

**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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	D5	-	FOR APPROVAL	11/28/11	D5	B	FOR APPROVAL								
				10/21/11	D5	A	FOR APPROVAL								
PRINT RECORD															
REVISION RECORD															



MATERIAL A709 U.N.O. HOLES 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -

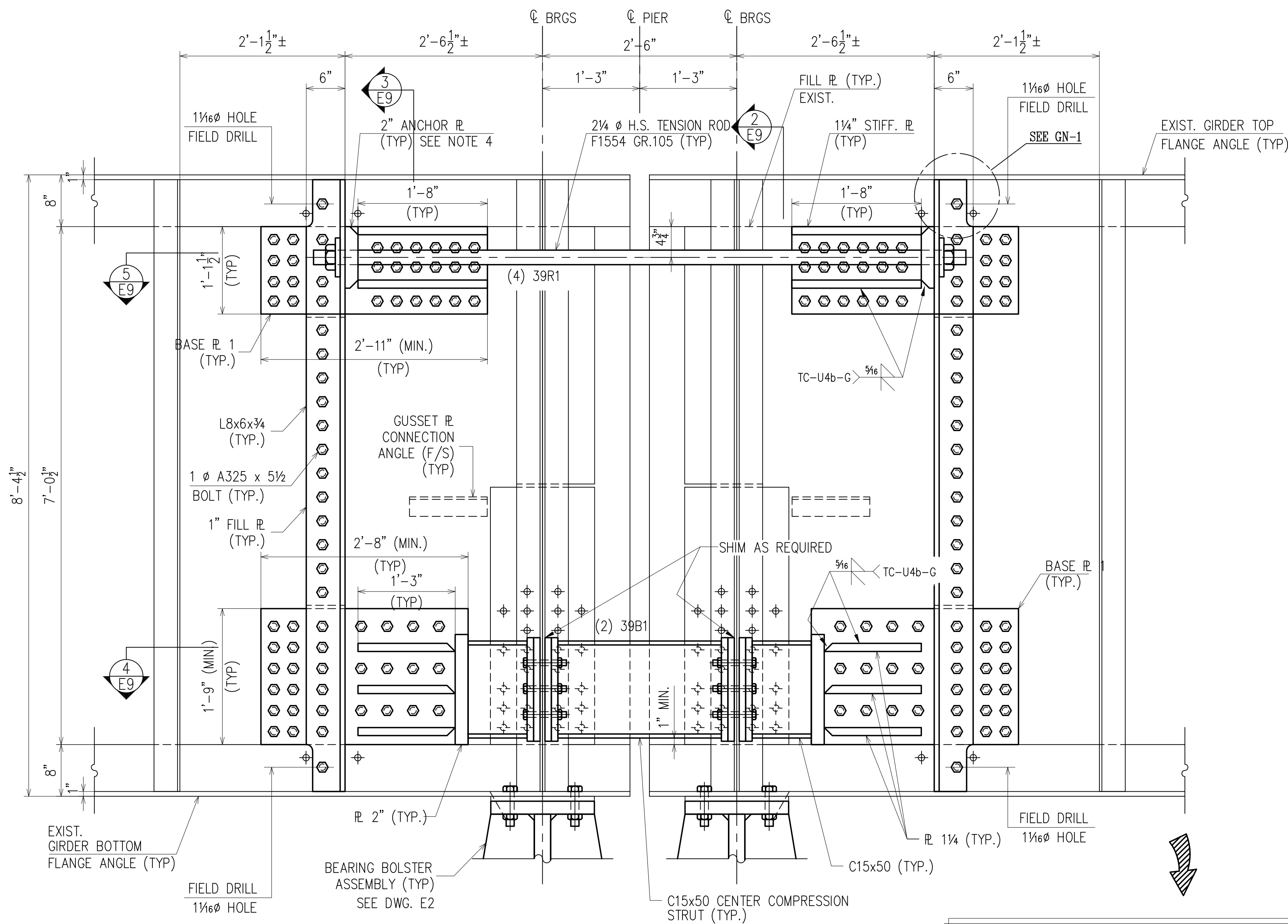
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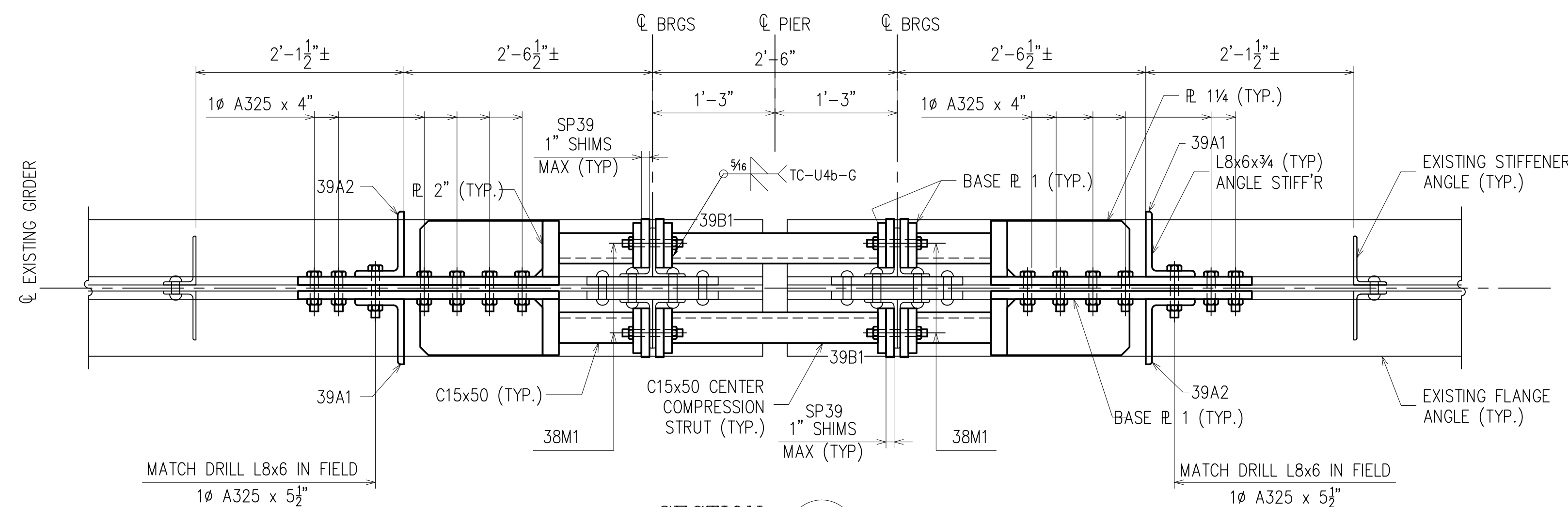
CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	GIRDER ELEVATIONS AND SECTIONS		
PROJECT	BASS RIVER BRIDGE / SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/19/11
CHK	JG	DATE	6/29/11
OC		JOB No	F10-0487
REV	0	DWG No	E8



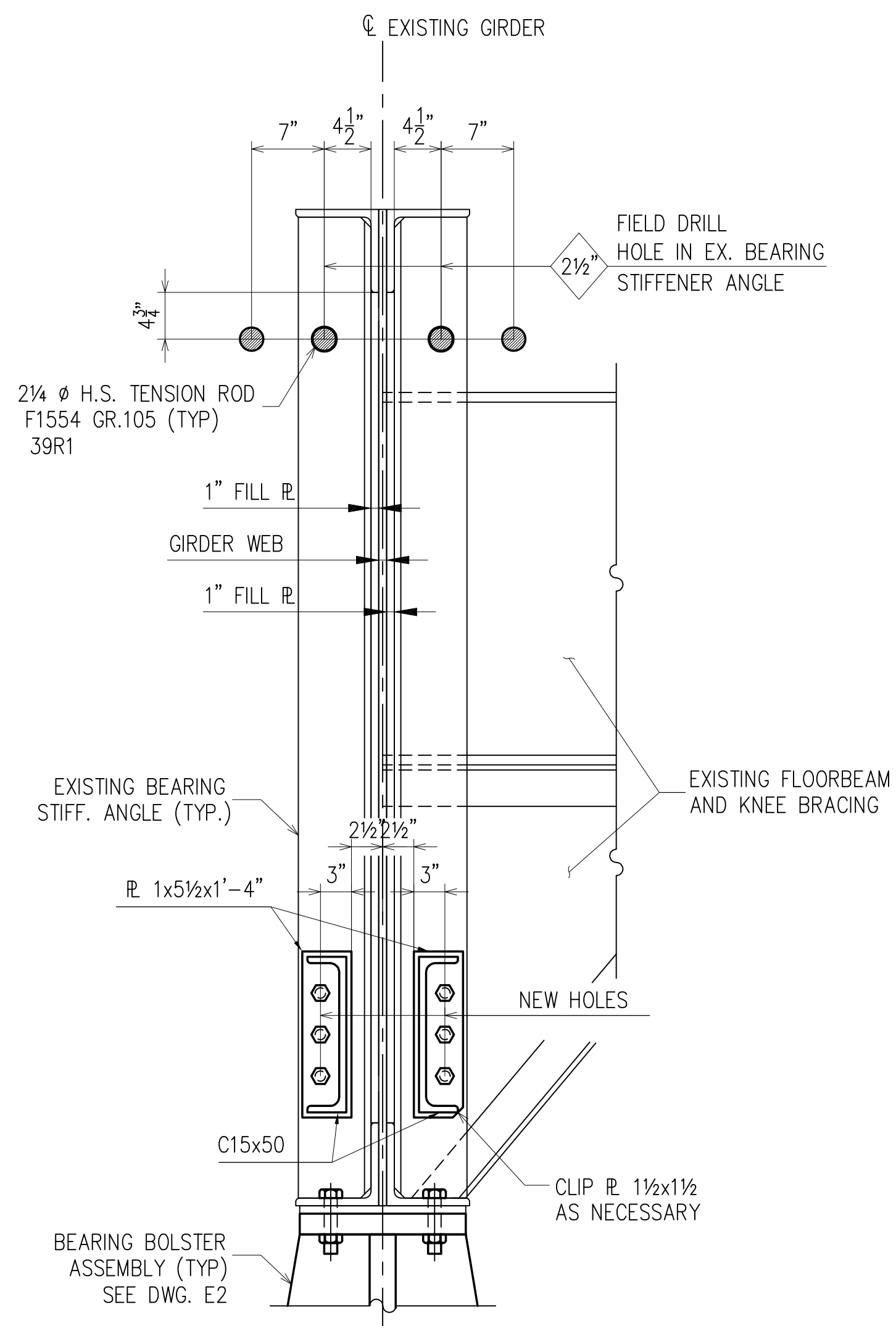


SECTION 1  
(RE: B-111)  
(E3, E4) E9

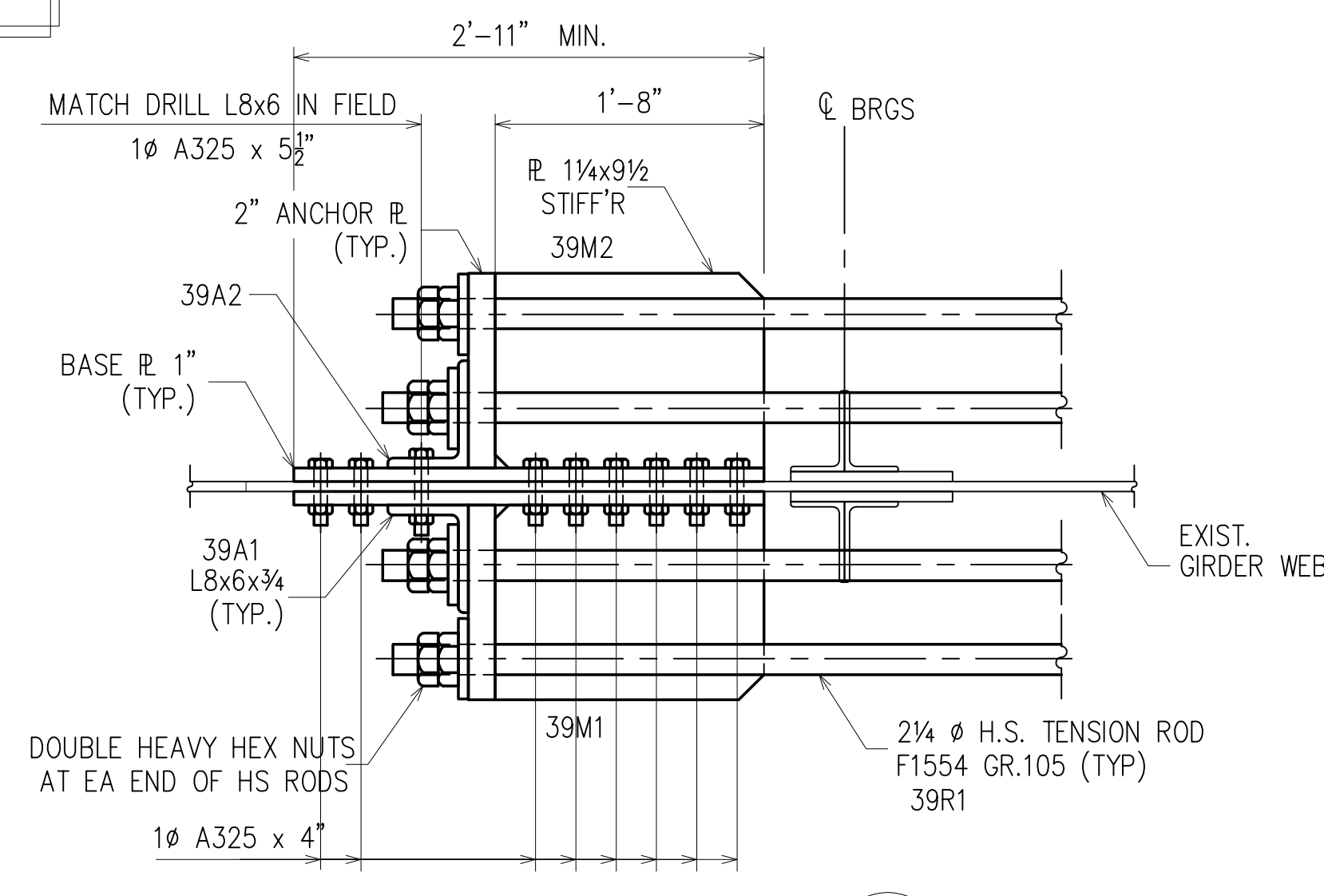
NOTE: ALL EXISTING DIMENSIONS AND ELEVATIONS HAVE BEEN VERIFIED AND CHECKED BY NRC



SECTION 4  
(RE: B-111) E9

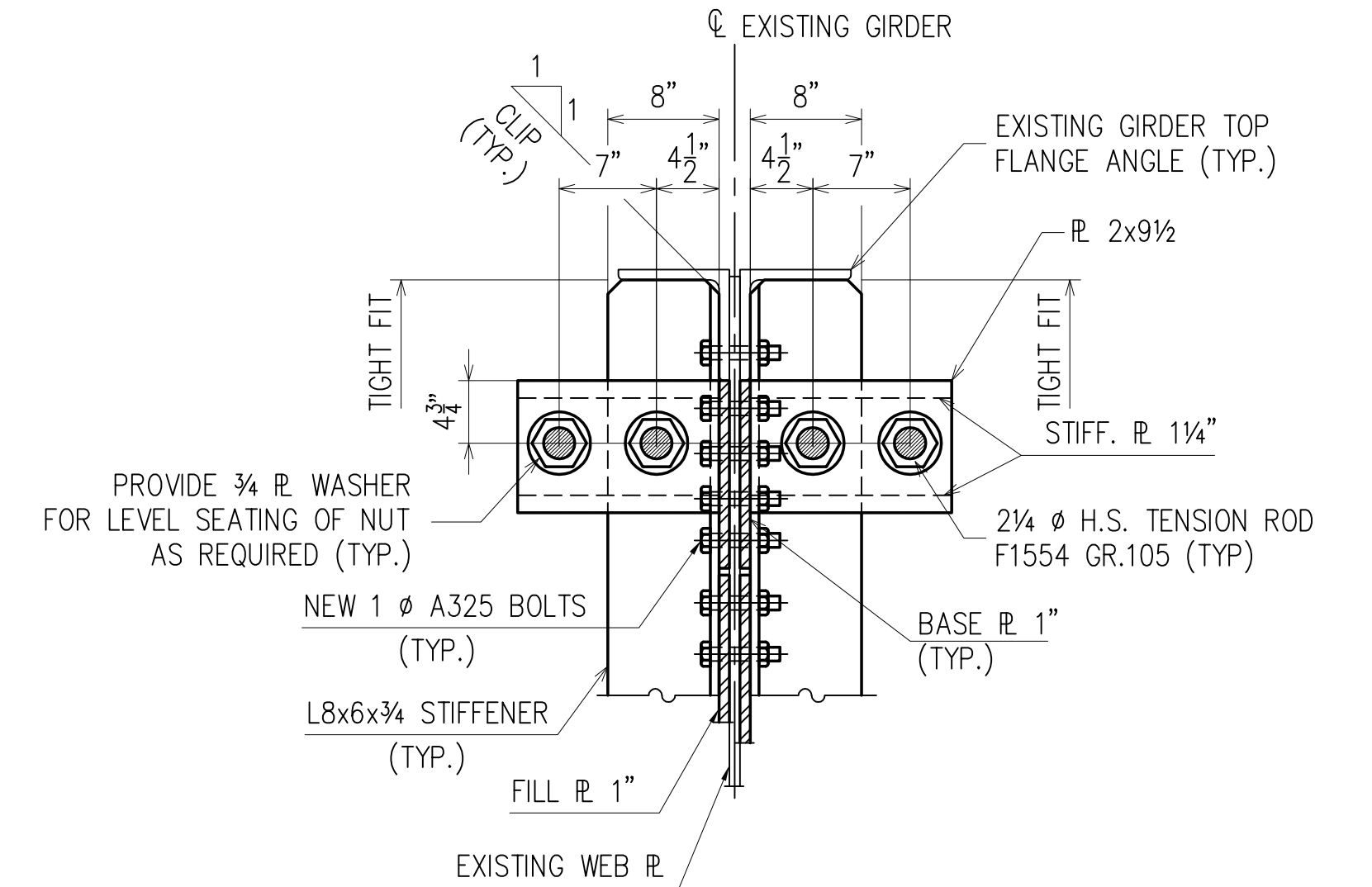


SECTION 2  
(RE: B-111) E9



SECTION 5  
(RE: B-111) E9

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NOT FOR FIELD USE



SECTION 3  
(RE: B-111) E9

LIVE LOAD CONTINUITY RETROFIT NOTES:

- LIVE LOAD CONTINUITY CENTER COMPRESSION STRUT AND HIGH STRENGTH TENSION RODS SHALL BE INSTALLED AFTER REPLACEMENT OF THE BEARINGS AND INSTALLATION OF THE CONCRETE DECK IN THE POSITIVE MOMENT REGIONS. NO PORTIONS OF THE NEGATIVE MOMENT CONCRETE DECK REGIONS SHALL BE POURED PRIOR TO FINAL INSTALLATION OF THE LIVE LOAD CONTINUITY RETROFIT DETAILS.
- LIVE LOAD CONTINUITY CENTER COMPRESSION STRUT AND HIGH STRENGTH TENSION RODS SHALL BE INSTALLED WHEN THE AMBIENT TEMPERATURE IS BETWEEN 40° AND 70°F.
- CONTRACTOR SHALL SET REQUIRED GIRDER OFFSET DIMENSION AS SHOWN IN SECTION 1/E9 DURING BEARING REPLACEMENT WHEN AMBIENT TEMPERATURE IS WITHIN REQUIRED RANGE FOR BEARING INSTALLATION. OFFSET SHALL BE SET FOR INTERIOR AND EXTERIOR GIRDERS CONCURRENTLY AT GIVEN BEARING LINE IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
- GIRDER CONTINUITY DETAILS SHALL BE INSTALLED SUCH THAT THE COMPRESSION STRUTS AND HS RODS SHALL BE PARALLEL TO THE EXISTING GIRDER FLANGES UNDER THE FULL DEAD LOAD CONDITION.
- HS RODS SHALL BE ASTM F 1554 GRADE 105 AND SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS OF SECTIONS S4 AND S5 OF THE ASTM SPECIFICATION. RODS SHALL BE MECHANICALLY GALVANIZED TO ASTM B 695, CLASS 50.

CONTRACTOR'S APPROVAL

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION
4/24/13	D5	4	FOR APPROVAL				
4/23/13	D5	3	PER CHECK				
4/10/13	D5	2	PER FIELD INFO				
4/6/12	D5	1	PER APPROVAL				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL	5/8/13	D5	5	PER APPROVAL

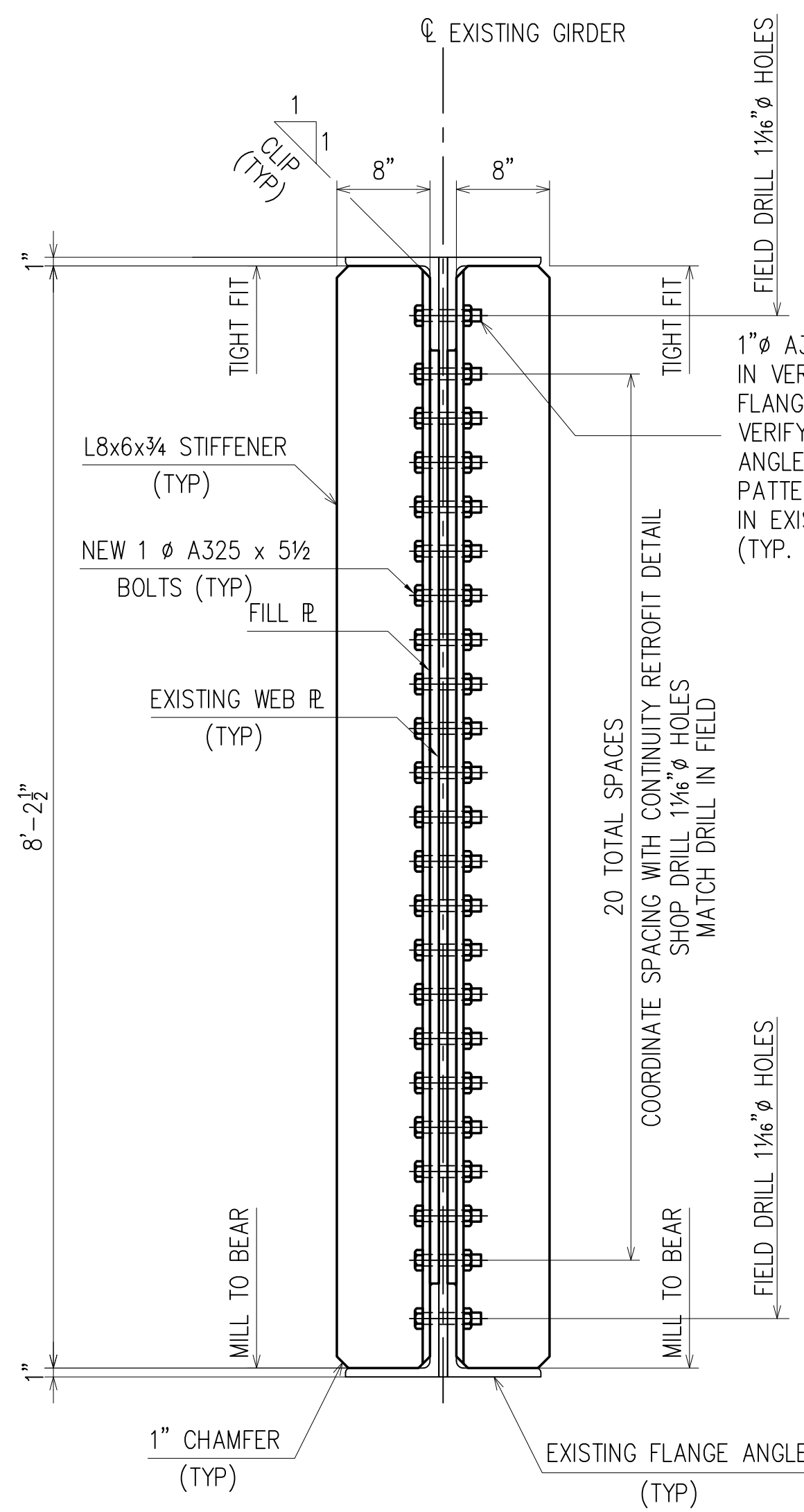
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4/24/13	D5	4	FOR APPROVAL				
4/23/13	D5	3	PER CHECK				
4/10/13	D5	2	PER FIELD INFO				
4/6/12	D5	1	PER APPROVAL				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL	5/8/13	D5	5	PER APPROVAL

MATERIAL	A709 U.N.O.	HOLES	1/16" U.N.O.	BOLTS	3/8" A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv.	FINISH	ONE SHOP COAT	OTHER	-
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.					

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		CONTRACT # P100.130	LOCATION: MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	GIRDER CONTINUITY RETROFIT SECTIONS		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/19/11
CHK	JG	DATE	6/29/11
QC		JOB No	F10-0487
REV	5	DRG No	E9

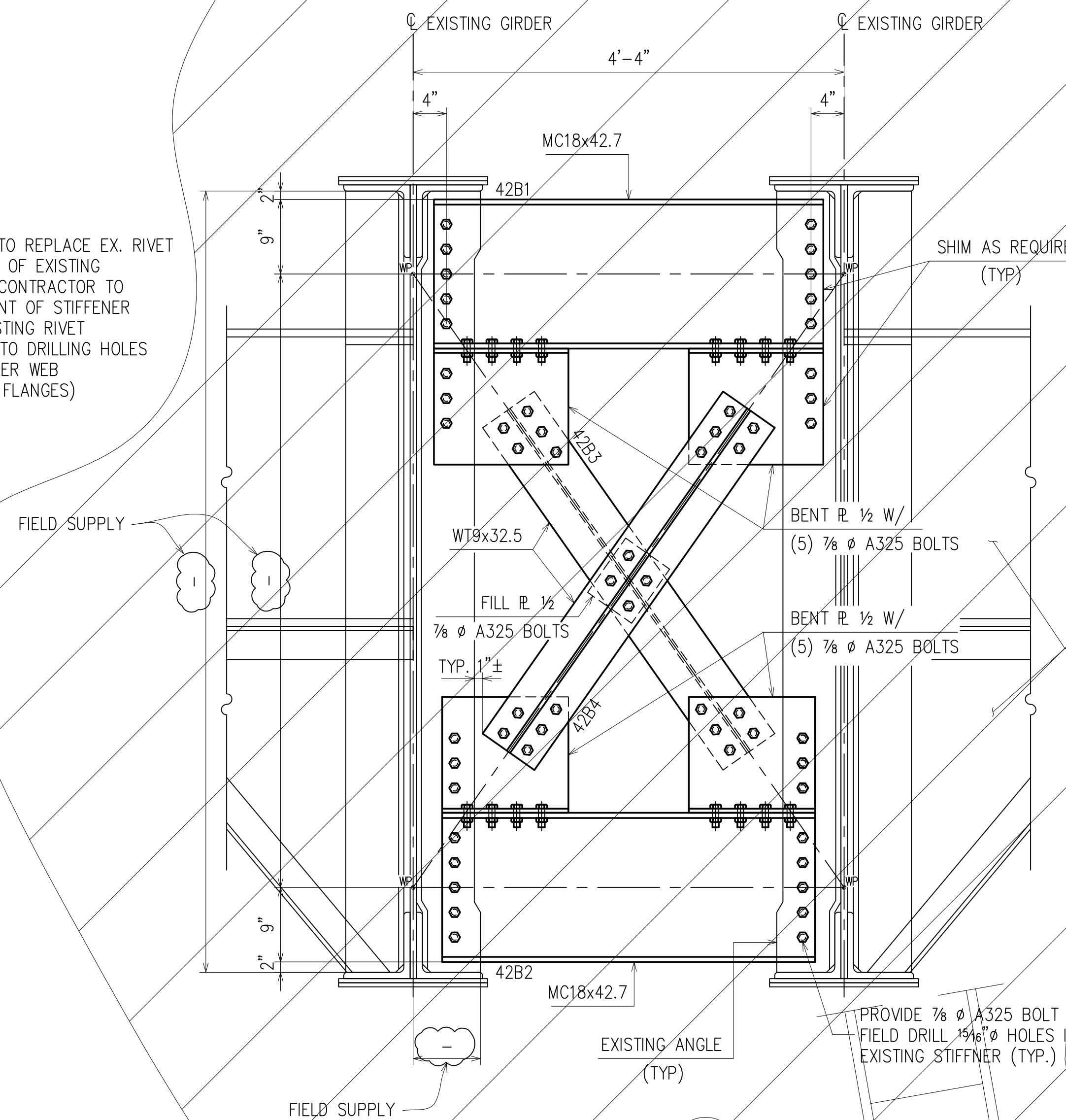
PRINT RECORD

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**SECTION 1**  
(RE: B-110)  
(E5, E6, E7 & E8)

G11 - 32 LOCATIONS @ 1"  
G12 - 16 LOCATIONS @ 1"  
G13 - 16 LOCATIONS @ 1"



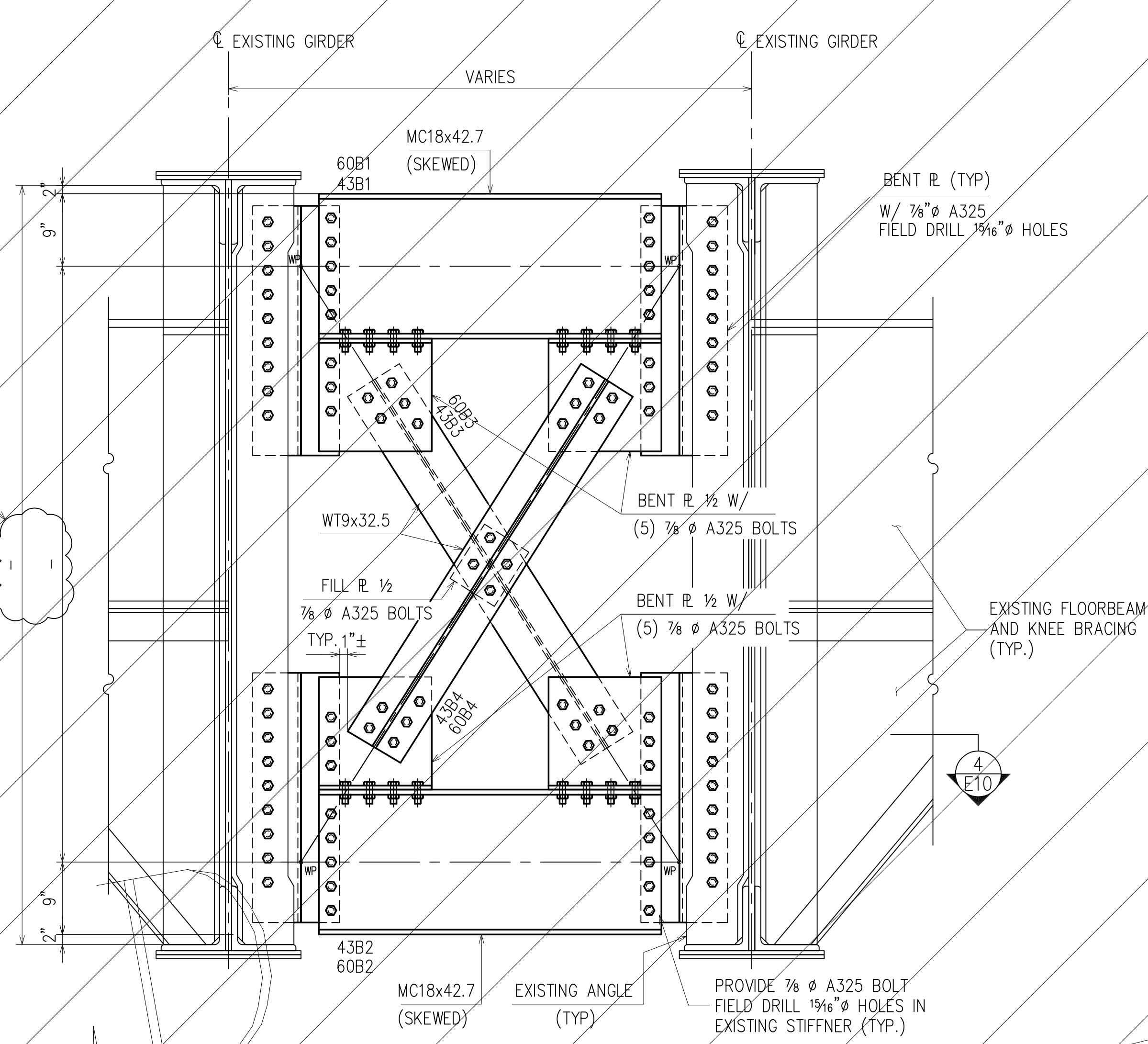
**SECTION 2**  
(RE: B-110)  
(E3, E4)

**GC TO CONFIRM ALL DIMENSIONS**

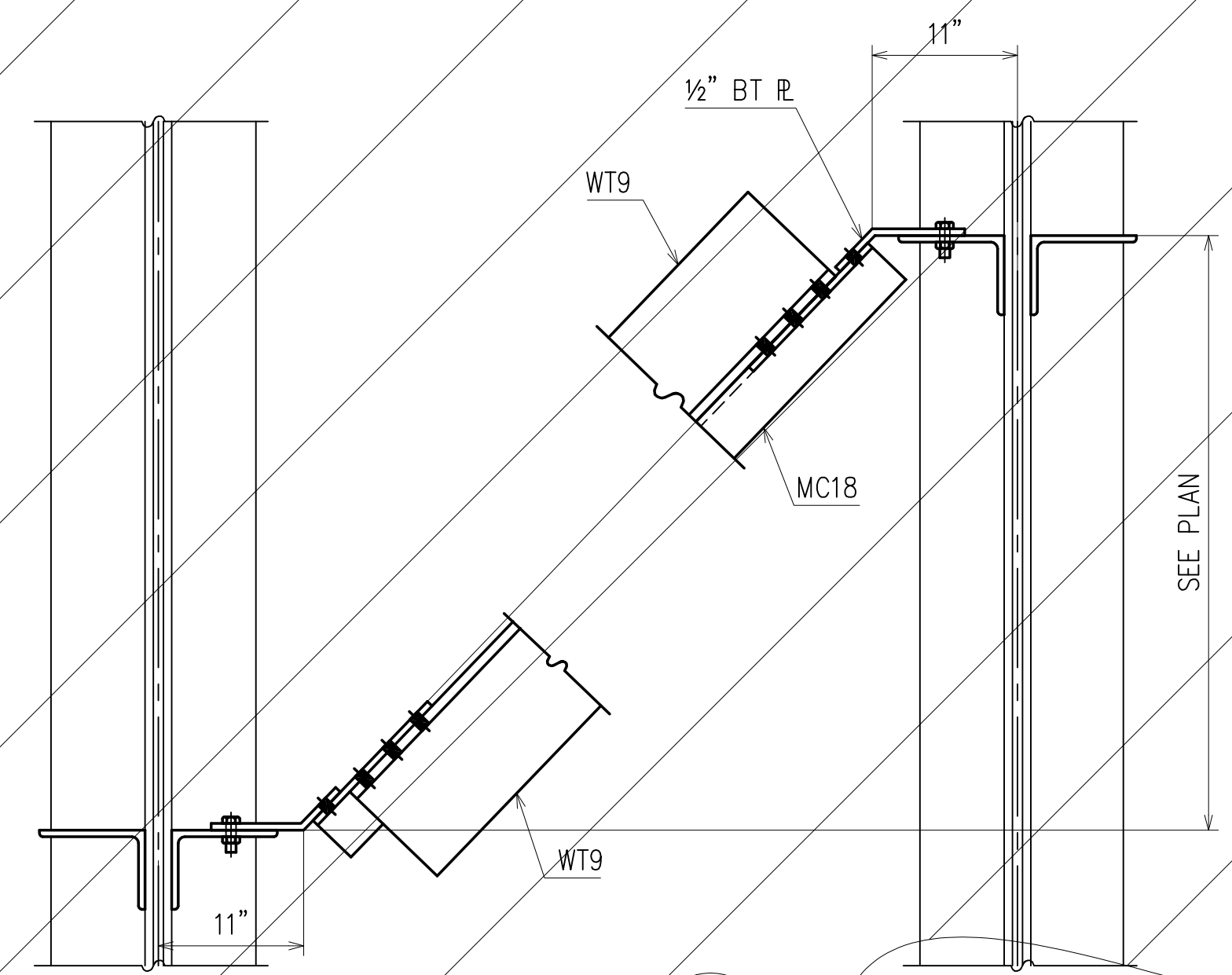
**NOTES:**

- CONNECTIONS FOR THE GIRDER CROSS BRACES SHALL BE COMPLETED AFTER THE STAGES 3 AND 4A POSITIVE AND NEGATIVE MOMENT CONCRETE DECK SECTIONS HAVE BEEN POURED.

*NOTE: ALL EXISTING DIMENSIONS AND ELEVATIONS HAVE BEEN VERIFIED AND CHECKED BY NRC*



**SECTION 3 (DEVELOPED)**  
(RE: B-110)  
(E3)



**SECTION 4**  
(E10)

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**CONTRACTOR'S APPROVAL**  
APPROVED BY  
RCC Fabricators, Inc.  
Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

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DATE	BY	REV	DESCRIPTION
5/8/13	D5	4	PER APPROVAL
4/23/13	D5	3	PUT SECT'S 2, 3, & 4 ON HOLD
4/10/13	D5	2	RELEASED SECTION 1/E10
4/6/12	D5	1	PER APPROVAL
11/28/11	D5	B	FOR APPROVAL
10/21/11	D5	A	FOR APPROVAL

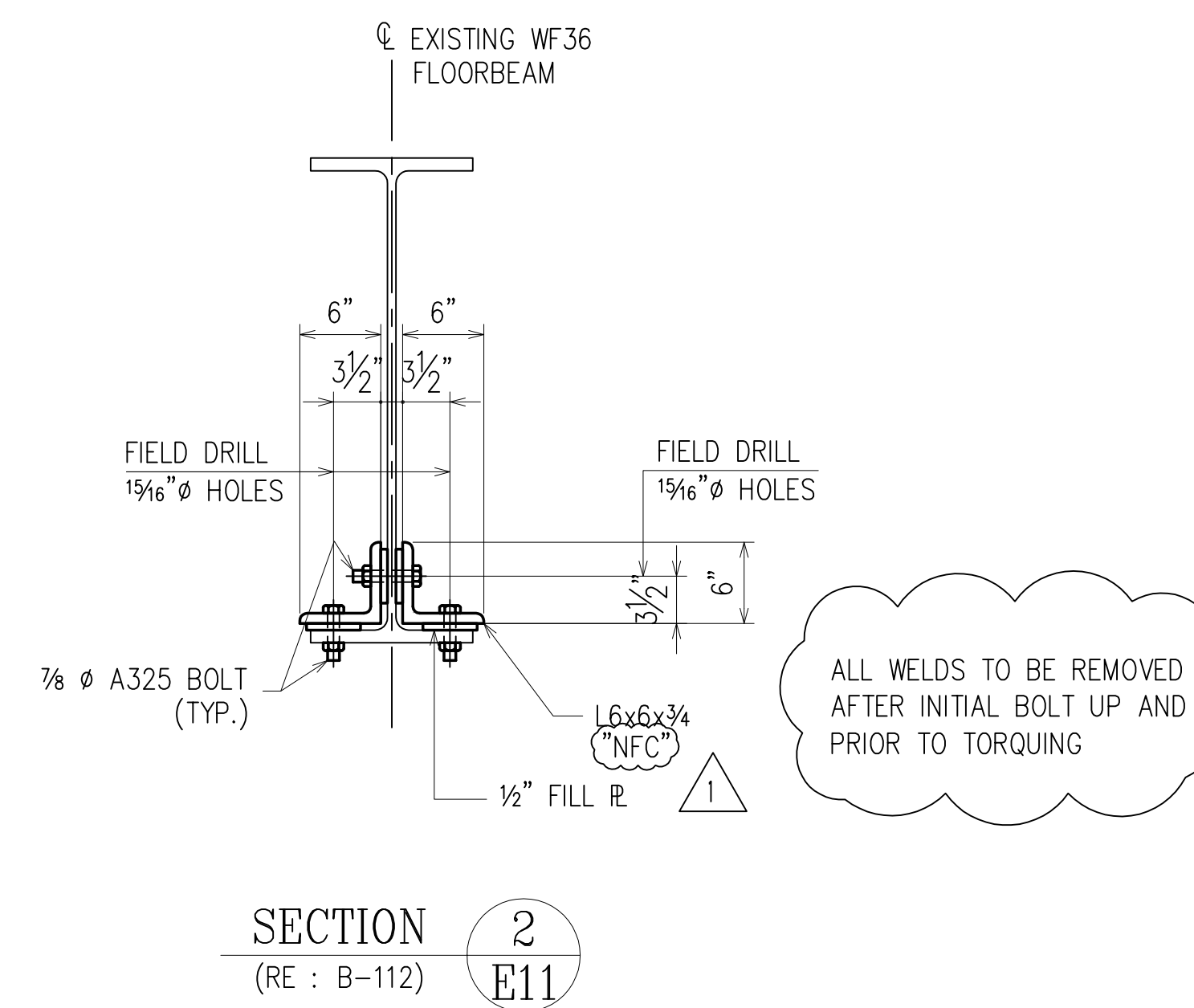
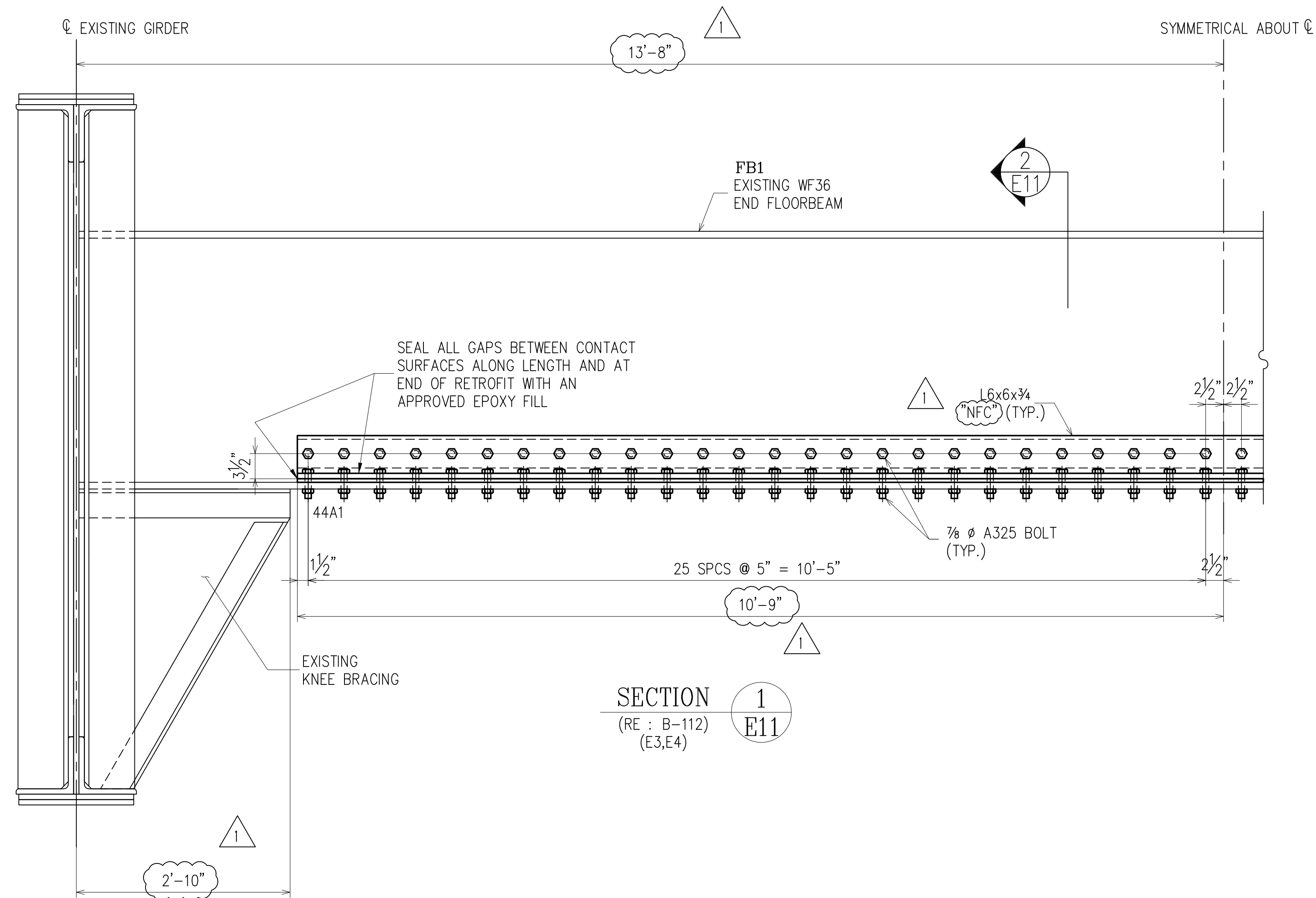


MATERIAL	A709 U.N.O.	HOLES	1 1/8" U.N.O.	BOLTS	7/8" A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv.	FINISH	ONE SHOP COAT	OTHER	-

<b>RCC Fabricators, Inc.</b>			
2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355			
CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	CROSS BRACING DETAILS		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/20/11
CHK	JG	DATE	6/29/11
OC		JOB No	F10-0487
REV	4	DWG No	E10

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REVISION RECORD



CONTRACTOR'S APPROVAL

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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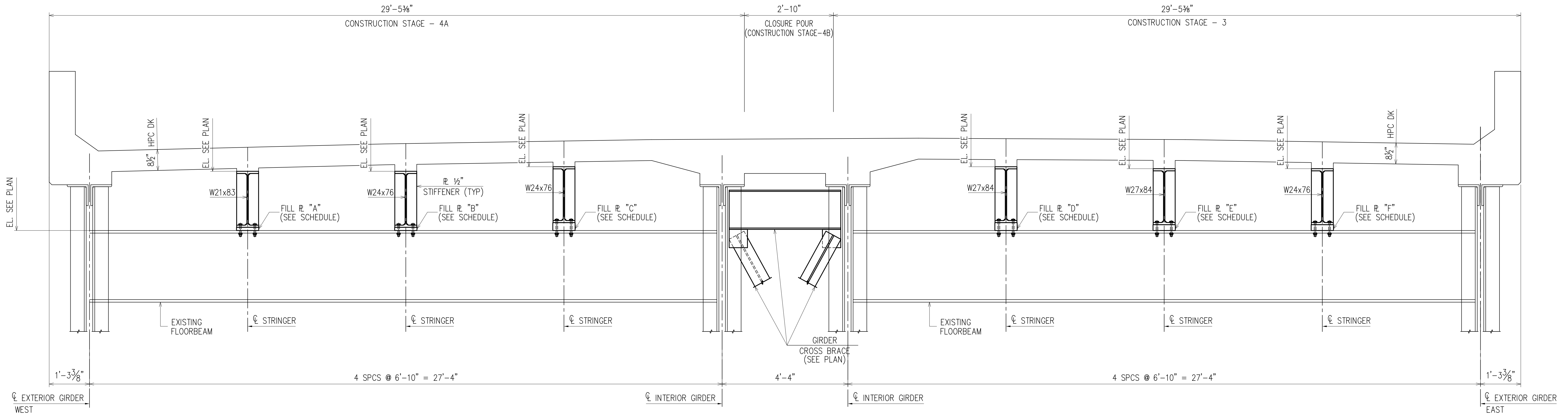
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DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION
2/3/12	D5	1	PER ENG'RS COMMENTS				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL				



MATERIAL A709 U.N.O. HOLES 1 5/16" U.N.O. BOLTS 7/8" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
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CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	EXISTING FLOOR BEAM REINFORCING		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/21/11
CHK	JG	DATE	6/29/11
OC		JOB No	F10-0487
REV	1	DRG No	E11



SECTION 1  
 (LOOKING NORTH)  
 (RE : B-120)  
 (E3) (E4)

SPAN	FILL PLATE THICKNESS SCHEDULE					
	A	B	C	D	E	F
1	1 1/4"	1 1/4"	3"	3"	2 1/4"	2 1/4"
2	1 1/4"	1 1/4"	3"	3"	2 1/4"	2 1/4"
3-7	-	1/2"	2"	2"	3/4"	1 1/4"

GC TO CONFIRM ALL DIMENSIONS

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CONTRACTOR'S APPROVAL  
 APPROVED BY  
 RCC Fabricators, Inc.  
 Drawing No. \_\_\_\_\_  
 Spec Section: \_\_\_\_\_  
 Approved By: \_\_\_\_\_  
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-	D5	-	FOR APPROVAL	11/28/11	D5	B	FOR APPROVAL				
				10/21/11	D5	A	FOR APPROVAL				



MATERIAL A709 U.N.O. HOLES 1 1/4" U.N.O. BOLTS 3/8" A325 U.N.O.  
 ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
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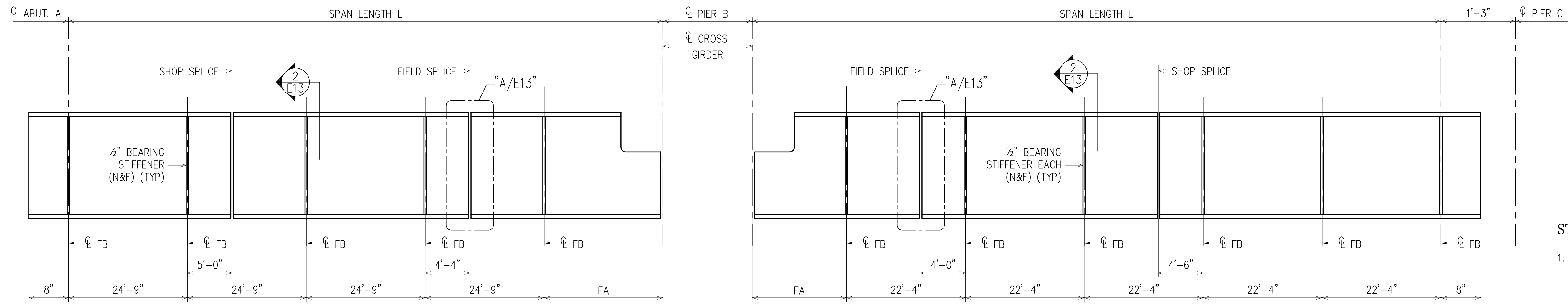
**RCC Fabricators, Inc.**  
 2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355

CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9
OWNER	NEW JERSEY TURNPIKE AUTHORITY		
TITLE	BRIDGE CROSS SECTION		
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9		
BY	D5	DATE	3/19/11
CHK	JG	DATE	6/29/11
QC		JOB No	F10-0487
REV	0	DRG No	E12

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SPAN 1 (S4, S5, S6 - AS SHOWN)  
SPAN 2 (S7, S8, S9 - OPPOSITE HAND)

SPAN 1 (S1, S2, S3 - OPPOSITE HAND)  
SPAN 2 (S10, S11, S12 - AS SHOWN)

**STRINGER NOTES:**

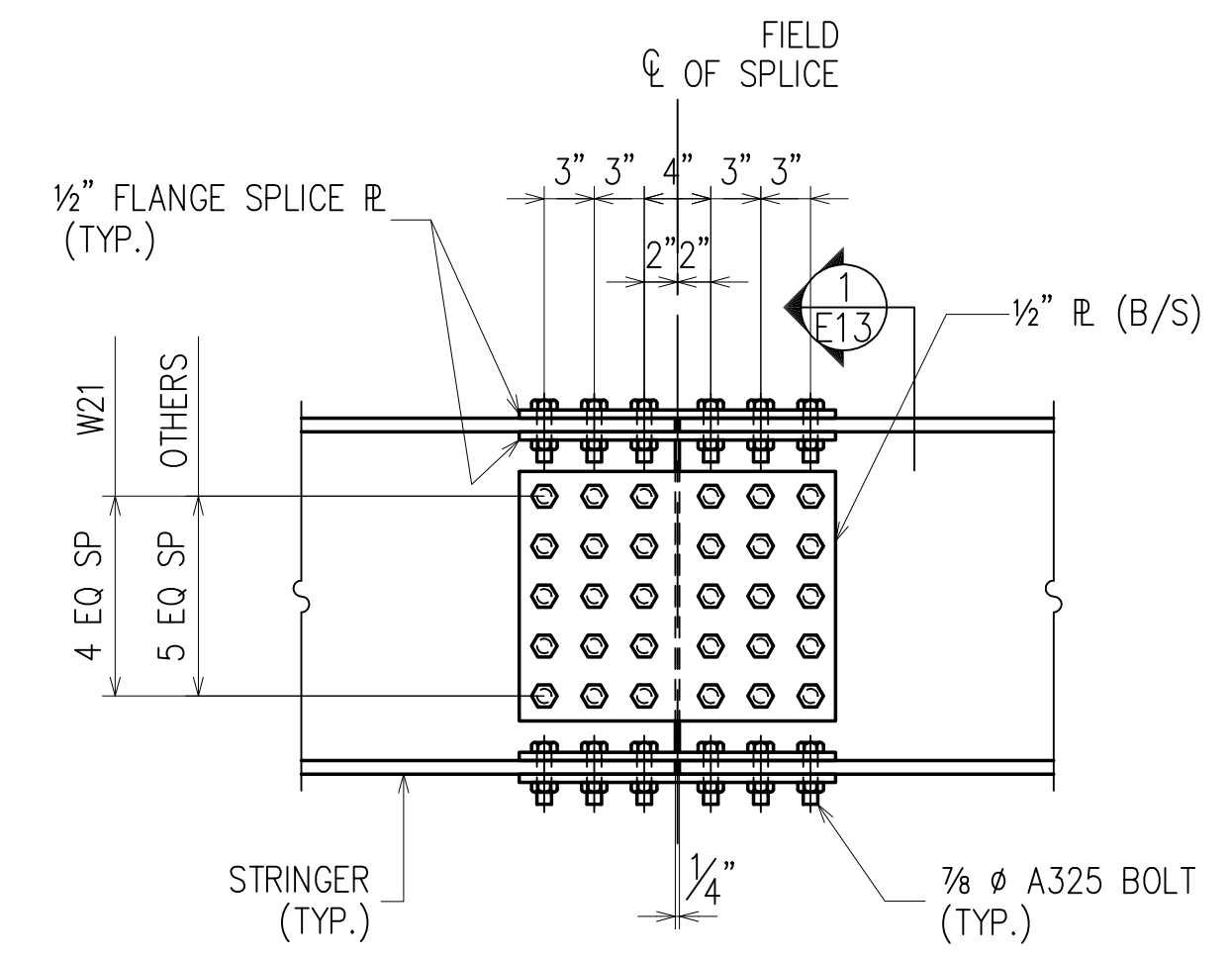
- NEW STRINGERS SHALL BE ATTACHED TO THE FLOORBEAMS UTILIZING EXISTING HOLES IN THE FLOORBEAMS. HOLES IN STRINGERS SHALL BE FIELD DRILLED USING EXISTING HOLES IN FLOORBEAM AS A TEMPLATE WHERE POSSIBLE, AND SHALL NOT BE DRILLED UNTIL ATTACHMENT IS READY TO BE MADE IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE AS SHOWN IN THE CONTRACT DRAWINGS.
- FILL PLATES BETWEEN NEW STRINGERS AND EXISTING FLOORBEAMS SHALL MATCH FLANGE WIDTHS OF EACH MEMBER. SEE SCHEDULE ON DRAWING E12 FOR FILL PLATE THICKNESS
- CONTRACTOR SHALL FIELD VERIFY FINAL REQUIRED DIMENSIONS FOR FABRICATION OF STRINGER SECTIONS WITHIN THE GIRDER NEGATIVE MOMENT REGIONS AFTER COMPLETE INSTALLATION OF GIRDER LIVE LOAD CONTINUITY DETAILS. STRINGER SHALL BE SHIPPED TO THE SITE LONG AND CUT AND DRILLED IN FIELD TO SUIT FINAL CONDITION.

**STRINGER ELEVATIONS**

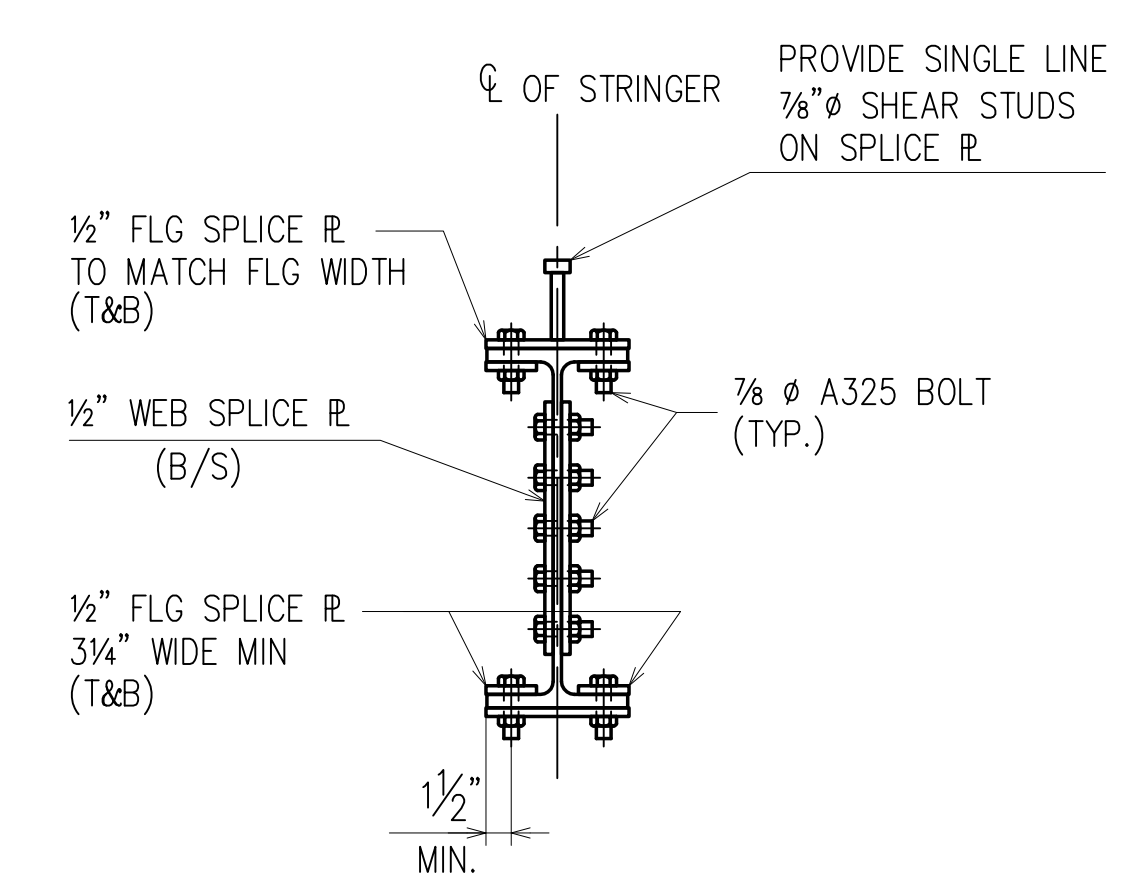
(RE : B-113)  
(E3)

MARK	SIZE	SPAN LENGTH L	FLOOR BEAM SPACING FA
S1	W21x83	131'-8 <sup>5</sup> / <sub>8</sub> "	20'-0 <sup>5</sup> / <sub>8</sub> "
S2	W24x76	129'-6 <sup>1</sup> / <sub>4</sub> "	17'-10 <sup>1</sup> / <sub>4</sub> "
S3	W24x76	127'-3 <sup>3</sup> / <sub>8</sub> "	15'-7 <sup>7</sup> / <sub>8</sub> "
S4	W27x84	121'-6 <sup>1</sup> / <sub>4</sub> "	22'-6 <sup>1</sup> / <sub>4</sub> "
S5	W27x84	119'-3 <sup>3</sup> / <sub>8</sub> "	20'-3 <sup>3</sup> / <sub>8</sub> "
S6	W24x76	117'-1 <sup>1</sup> / <sub>2</sub> "	18'-1 <sup>1</sup> / <sub>2</sub> "
S7	W21x83	117'-1 <sup>1</sup> / <sub>2</sub> "	18'-1 <sup>1</sup> / <sub>2</sub> "
S8	W24x76	119'-3 <sup>3</sup> / <sub>8</sub> "	20'-3 <sup>3</sup> / <sub>8</sub> "
S9	W24x76	121'-6 <sup>1</sup> / <sub>4</sub> "	22'-6 <sup>1</sup> / <sub>4</sub> "
S10	W27x84	127'-3 <sup>3</sup> / <sub>8</sub> "	15'-7 <sup>7</sup> / <sub>8</sub> "
S11	W27x84	129'-6 <sup>1</sup> / <sub>4</sub> "	17'-10 <sup>1</sup> / <sub>4</sub> "
S12	W24x76	131'-8 <sup>5</sup> / <sub>8</sub> "	20'-0 <sup>5</sup> / <sub>8</sub> "

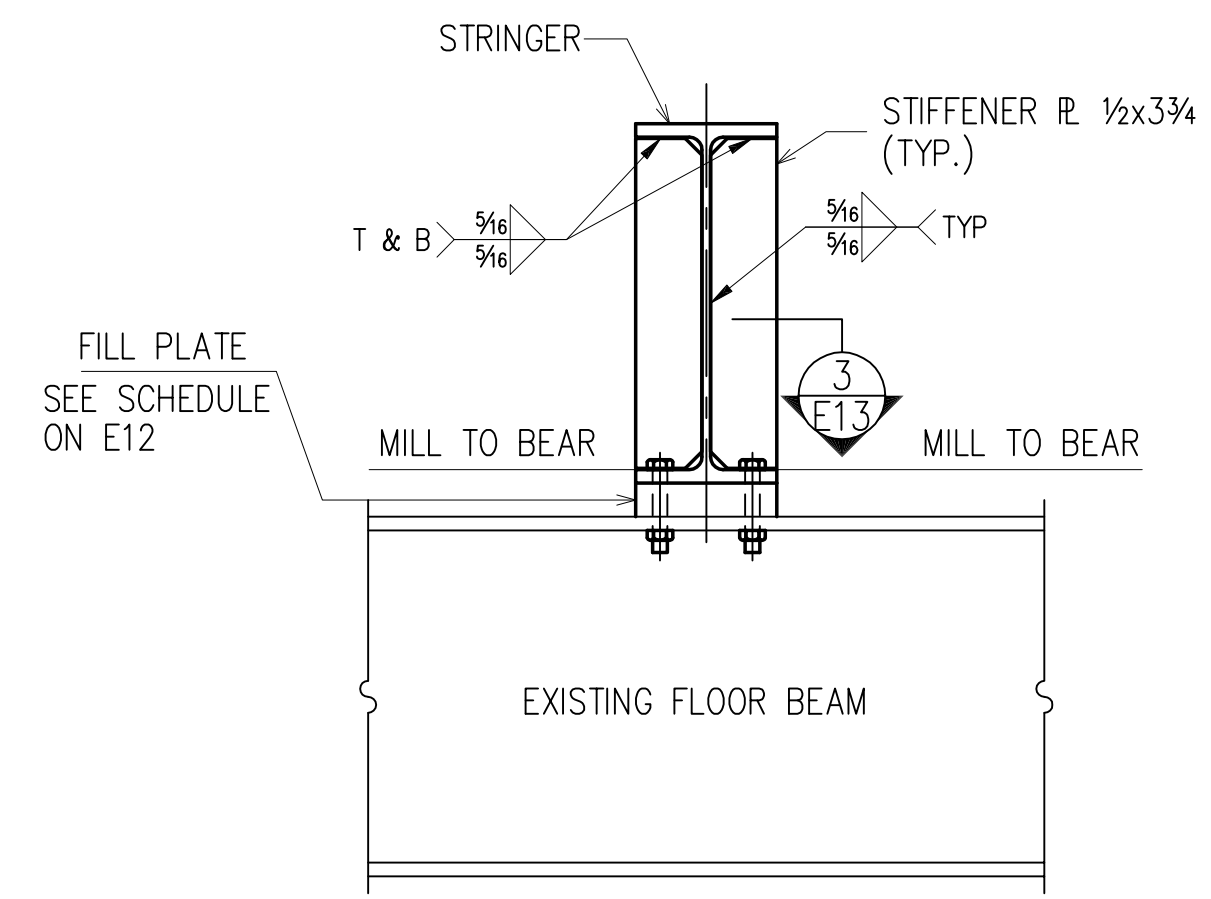
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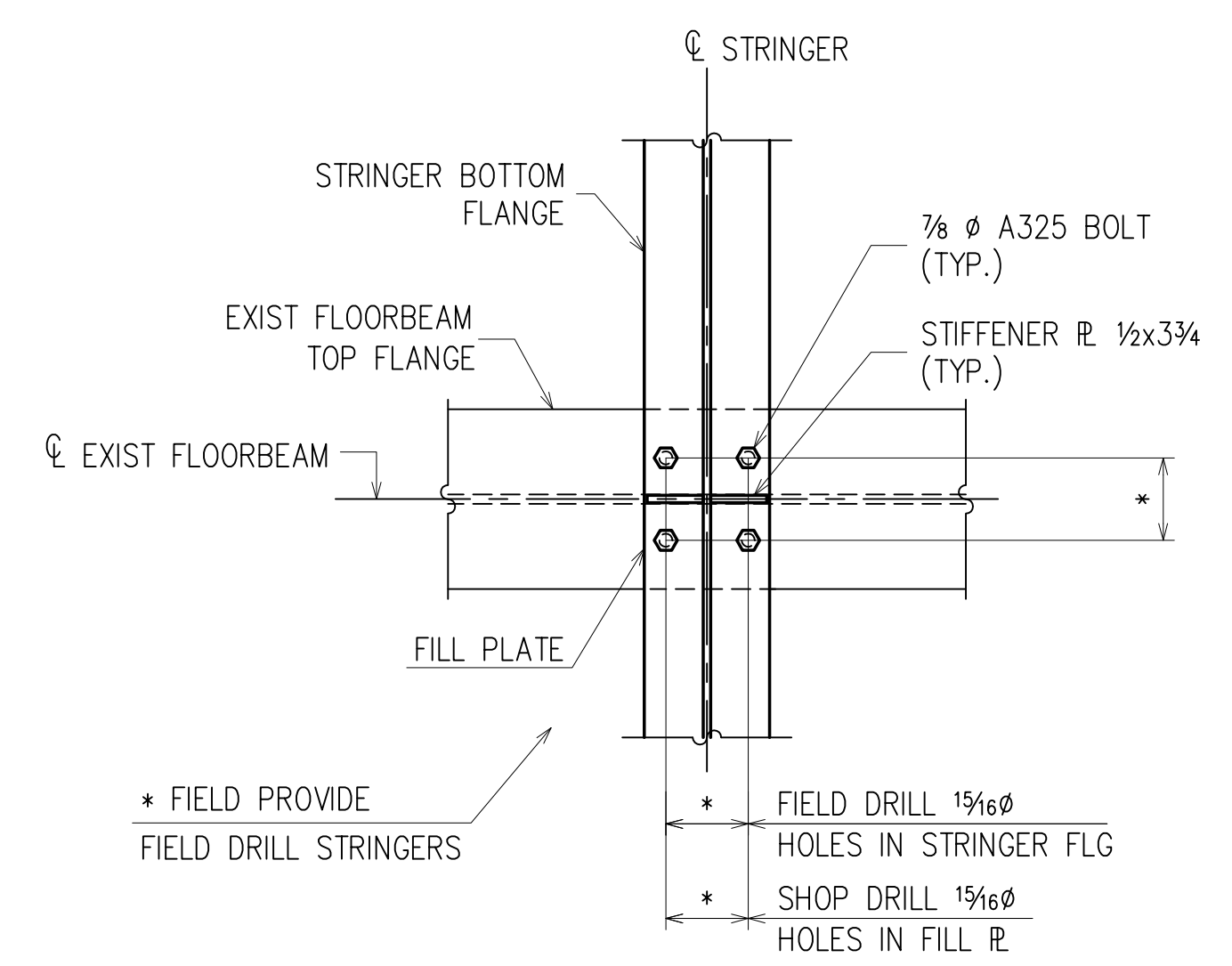
DETAIL A  
(RE : B-113) E13



SECTION 1  
(RE : B-113) E13



SECTION 2  
(RE : B-113) E13



SECTION 3  
(RE : B-113) E13

**CONTRACTOR'S APPROVAL**  
APPROVED BY  
RCC Fabricators, Inc.  
Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

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				11/28/11	D5	B	FOR APPROVAL				
				10/21/11	D5	A	FOR APPROVAL				

PRINT RECORD

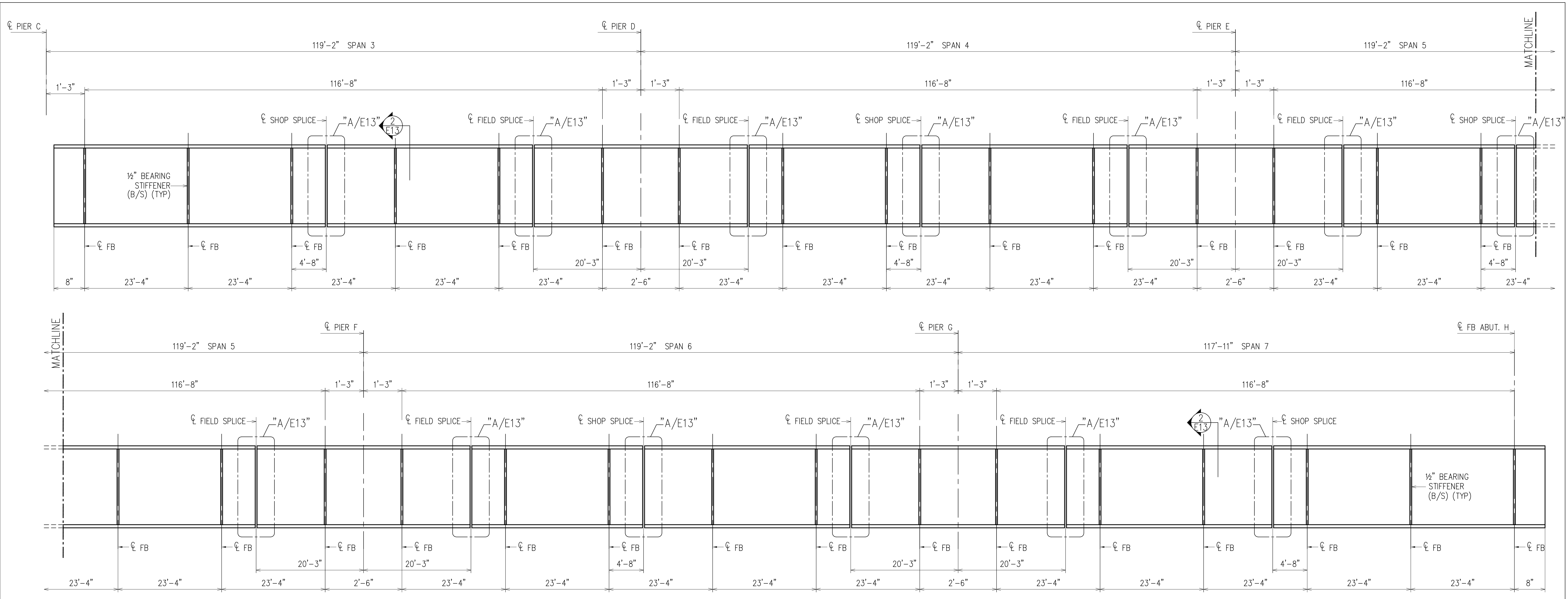
REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1<sup>5</sup>/<sub>16</sub>" U.N.O. BOLTS 7<sup>8</sup>/<sub>16</sub>" A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS.  
CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC.  
RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL.  
THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.

**RCC Fabricators, Inc.**  
2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355

CONTRACT # P100.130 LOCATION : MILEPOST 51.9  
OWNER NEW JERSEY TURNPIKE AUTHORITY  
TITLE STRINGER ELEVATIONS & TYPICAL DETAILS  
PROJECT BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9  
BY D5 DATE 3/24/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 1 DRG No E13



**STRINGER ELEVATION**  
(RE : B-114)

**CONTRACTOR'S APPROVAL**  
APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

**GC TO CONFIRM  
ALL DIMENSIONS**

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PRINT RECORD

DATE	BY	REV	DESCRIPTION
4/6/12	D5	1	PER APPROVAL
11/28/11	D5	B	FOR APPROVAL
10/21/11	D5	A	FOR APPROVAL

REVISION RECORD

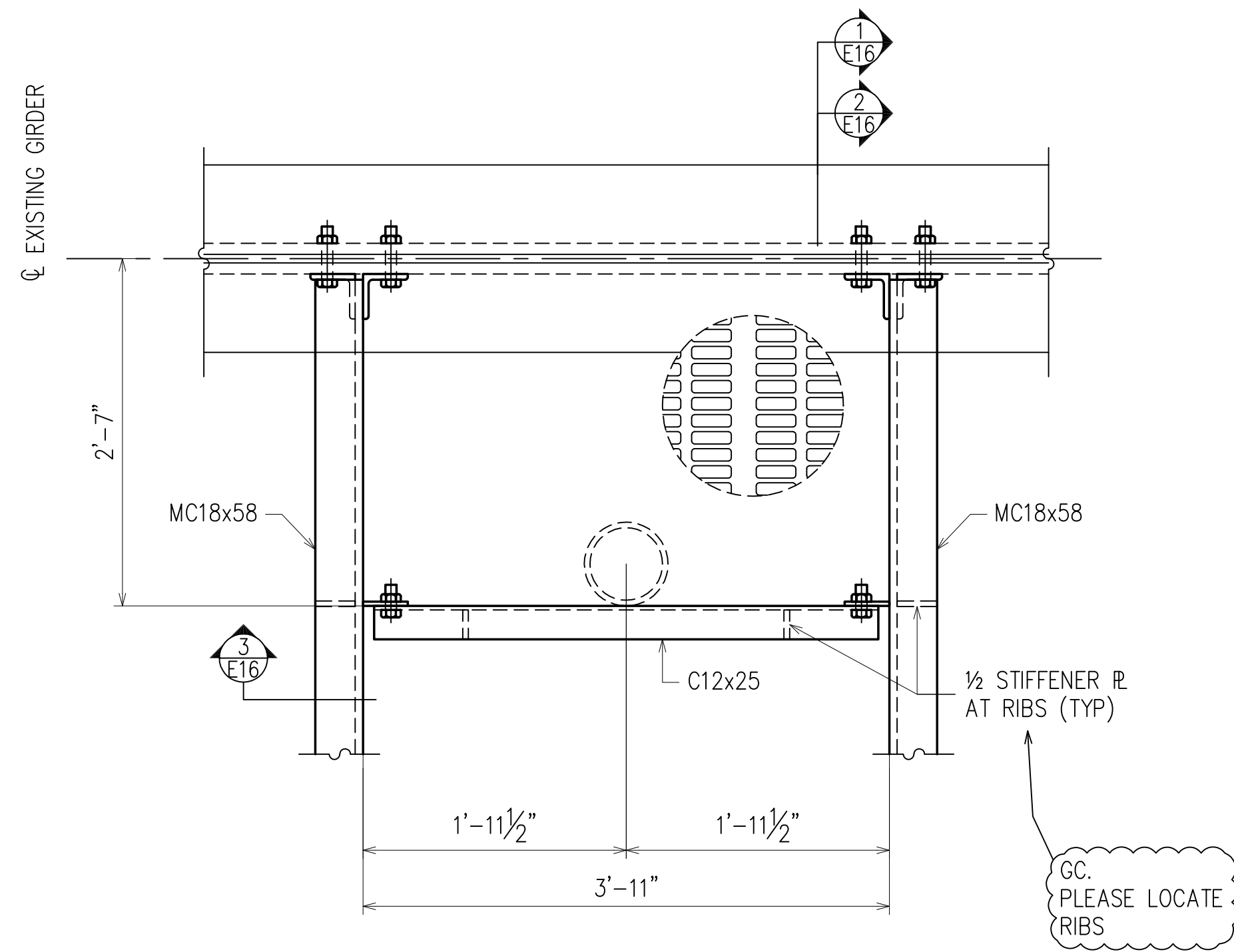


MATERIAL	A709 U.N.O.	HOLES	1 5/16" Ø U.N.O.	BOLTS	3/8" A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv.	FINISH	ONE SHOP COAT	OTHER	-

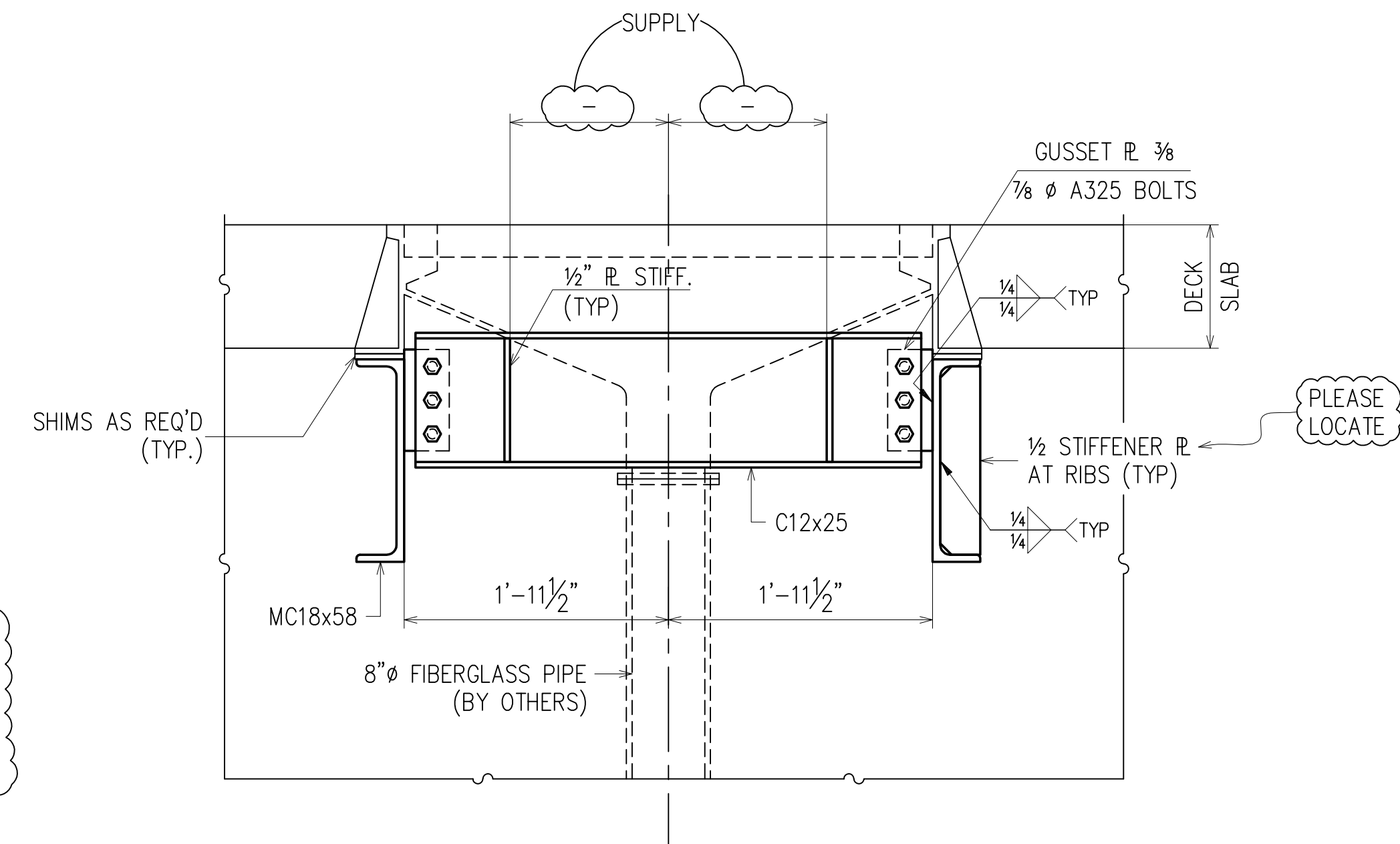
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.

		2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355													
		CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9										
OWNER	NEW JERSEY TURNPIKE AUTHORITY														
TITLE	STRINGER ELEVATIONS														
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9														
BY	D5	DATE	3/23/11	CHK	JG	DATE	6/29/11	QC		JOB No	F10-0487	REV	1	DRG No	E14





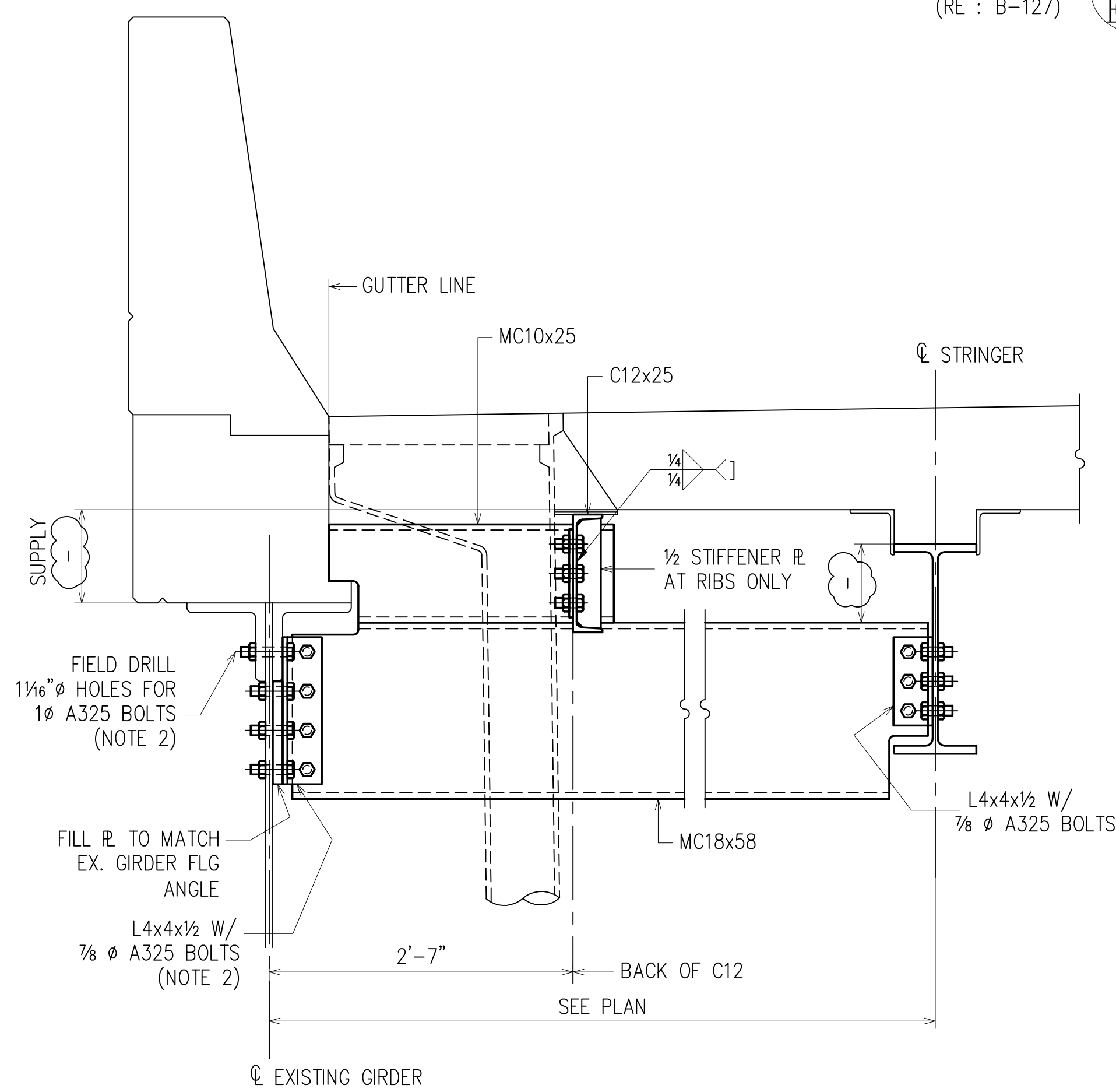
DETAIL A  
(RE : B-127) E16



SECTION 3  
(RE : B-127) E16

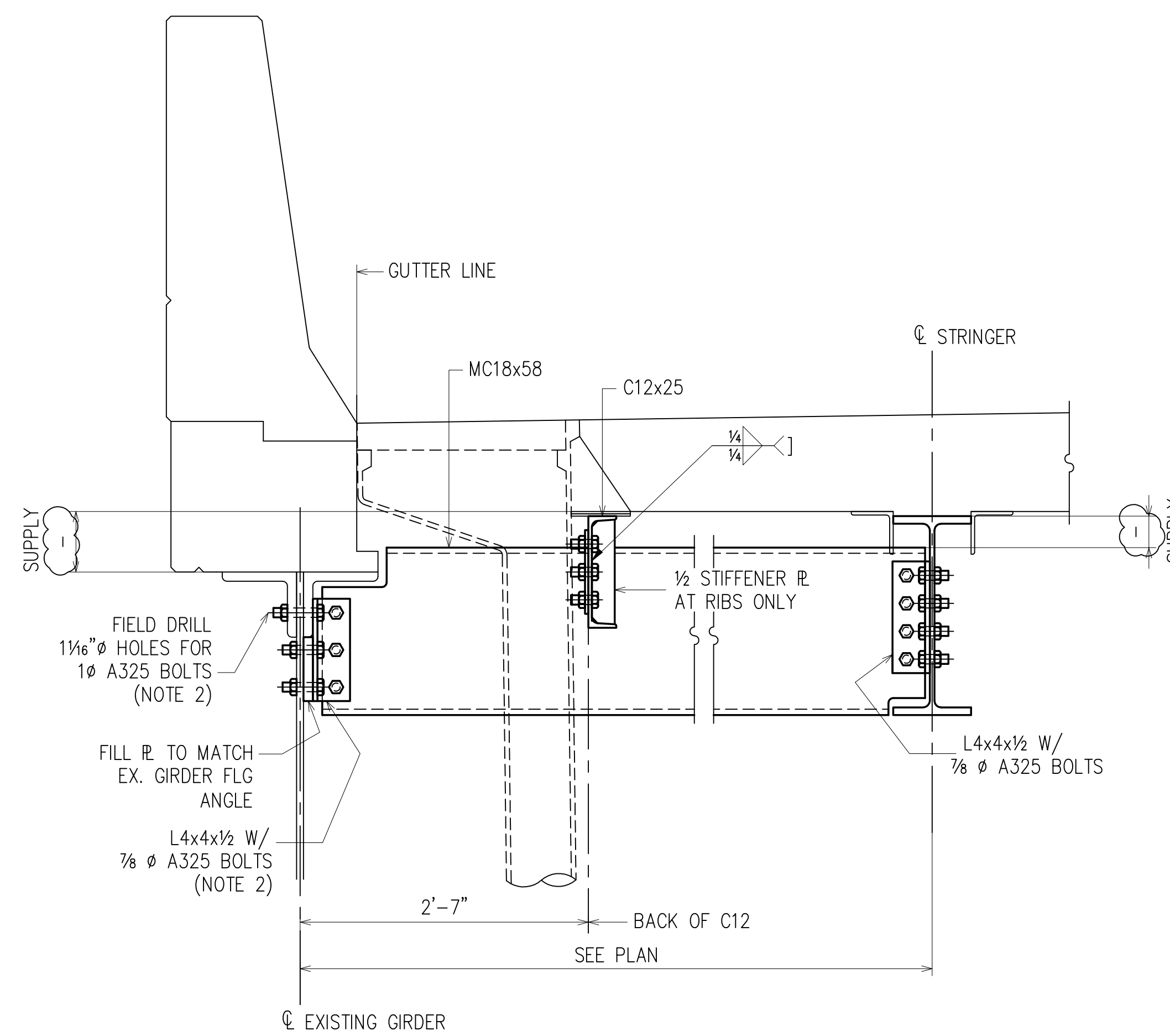
**SCUPPER SUPPORT STEEL NOTES:**

1. ALL STEEL DETAILED ON THIS SHEET, INCLUDING NUTS, BOLTS, AND WASHERS SHALL BE GALVANIZED AS PER ASTM A153 AND A123.
2. DRILL 1 1/8" HOLES IN EXISTING GIRDER WEB AND FILL PLATE AS REQUIRED FOR SUPPORT ANGLE ATTACHMENT. CONTRACTOR SHALL DRILL AND REPLACE ANY EXISTING RIVET WITH 1" A325 BOLTS TO FACILITATE ATTACHMENT OF SUPPORT ANGLE. CHANNEL STIFFENER ATTACHMENT MAY BE MADE TO GIRDER STIFFENER IN LIEU OF EXISTING GIRDER WEB WHERE INLETS FALL AT GIRDER STIFFENER LOCATIONS. DRAINAGE INLETS MAY BE SHIFTED A FEW INCHES TO AVOID INTERFERENCE. CONTRACTOR SHALL CONFIRM THAT NO INTERFERENCES EXIST FOR INLET SUPPORTS PRIOR TO FABRICATION AND INSTALLATION.



SECTION 1  
(RE : B-127) E16

USE WHEN GIRDER HAUNCH IS GREATER THAN 6" DEEP



SECTION 2  
(RE : B-127) E16

USE WHEN GIRDER HAUNCH IS LESS THAN 6" DEEP

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**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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				4/6/12	D5	1	PER APPROVAL				
				11/28/11	D5	B	FOR APPROVAL				
				10/21/11	D5	A	FOR APPROVAL				
-	D5	-	FOR APPROVAL								

PRINT RECORD

REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1 1/8" U.N.O. BOLTS 7/8" A325 U.N.O.

ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -

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CONTRACT # P100.130 LOCATION : MILEPOST 51.9

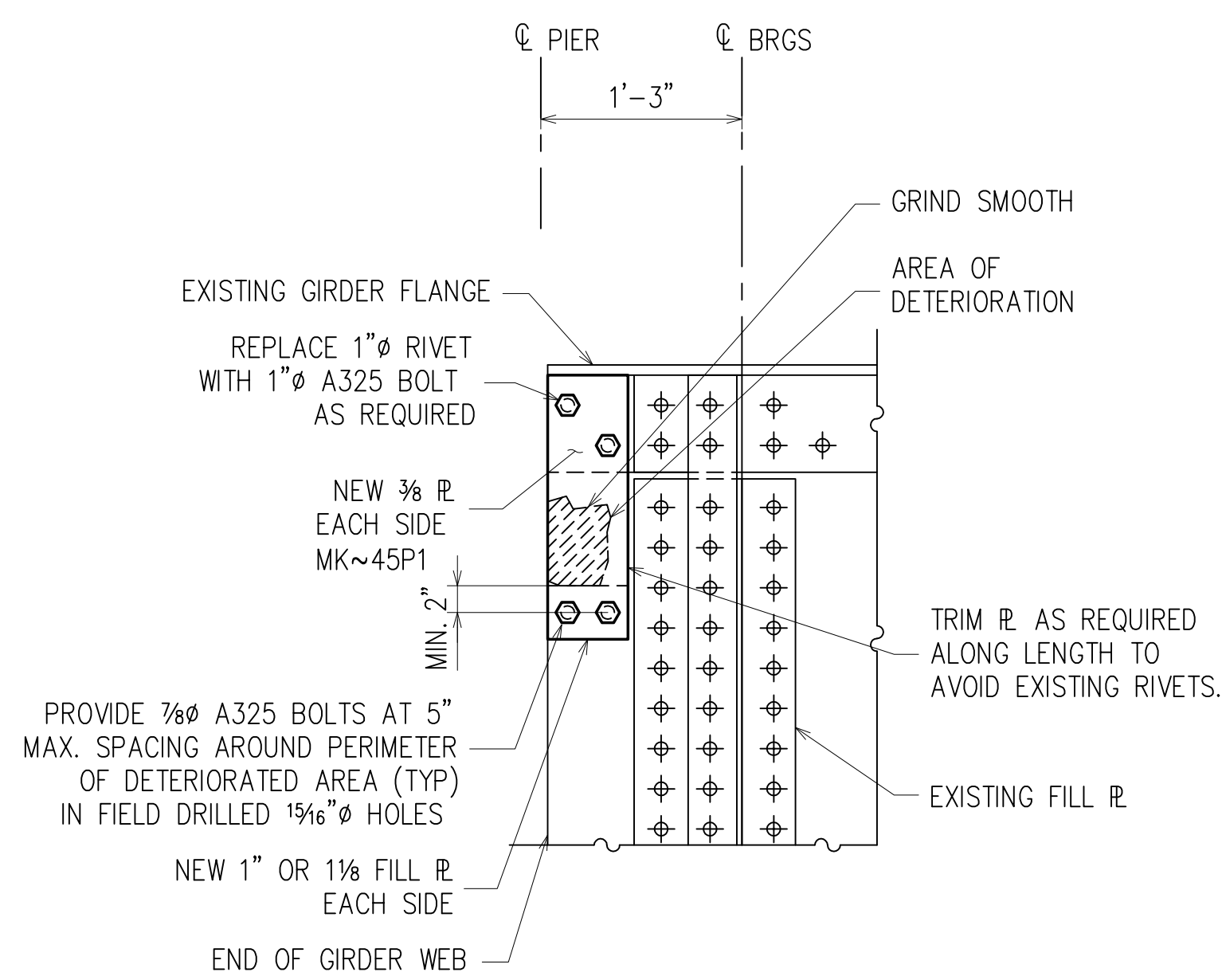
OWNER NEW JERSEY TURNPIKE AUTHORITY

TITLE SCUPPER SECTIONS

PROJECT BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9

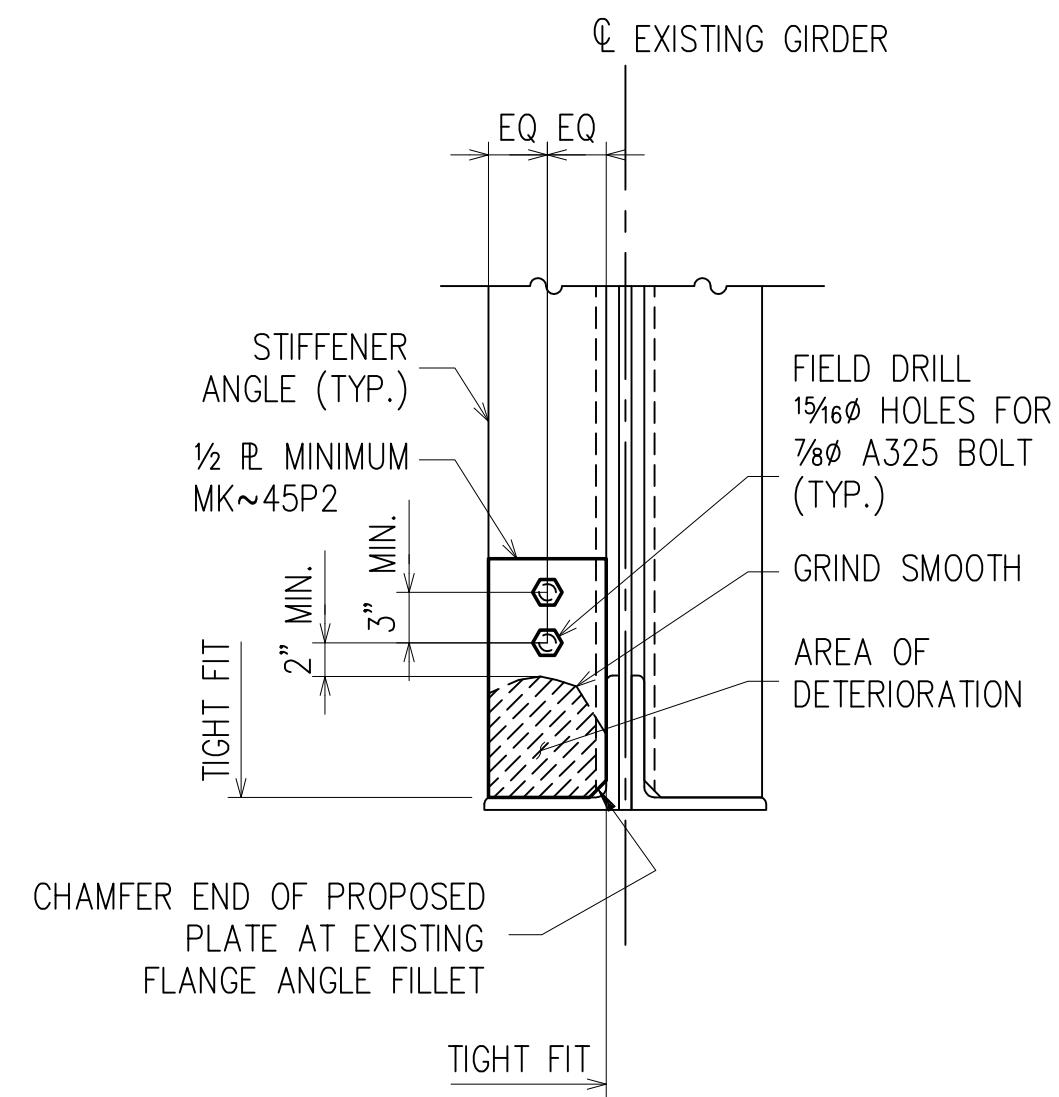
BY D5 DATE 3/22/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 1 DRG No E16





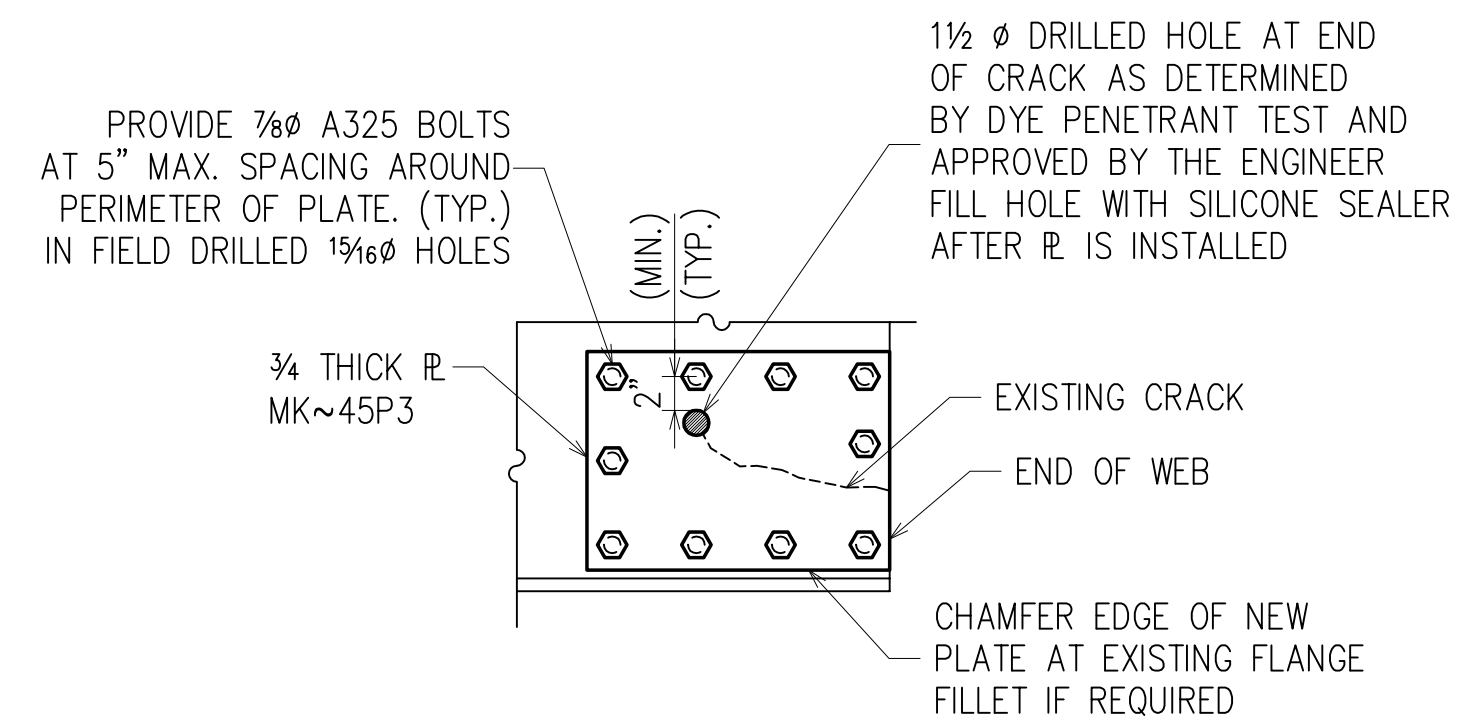
(TYPE II)  
WEB REPAIR DETAIL AT END OF GIRDER

(RE : B-112)  
TYPICAL REPAIR AT END OF GIRDER WEB BELOW PROPOSED DECK JOINTS  
TOP FLANGE SHOWN, BOTTOM FLANGE SIMILAR  
AS DIRECTED BY THE ENGINEER  
(ESTIMATED TOTAL NUMBER OF GIRDER END LOCATIONS = 6)



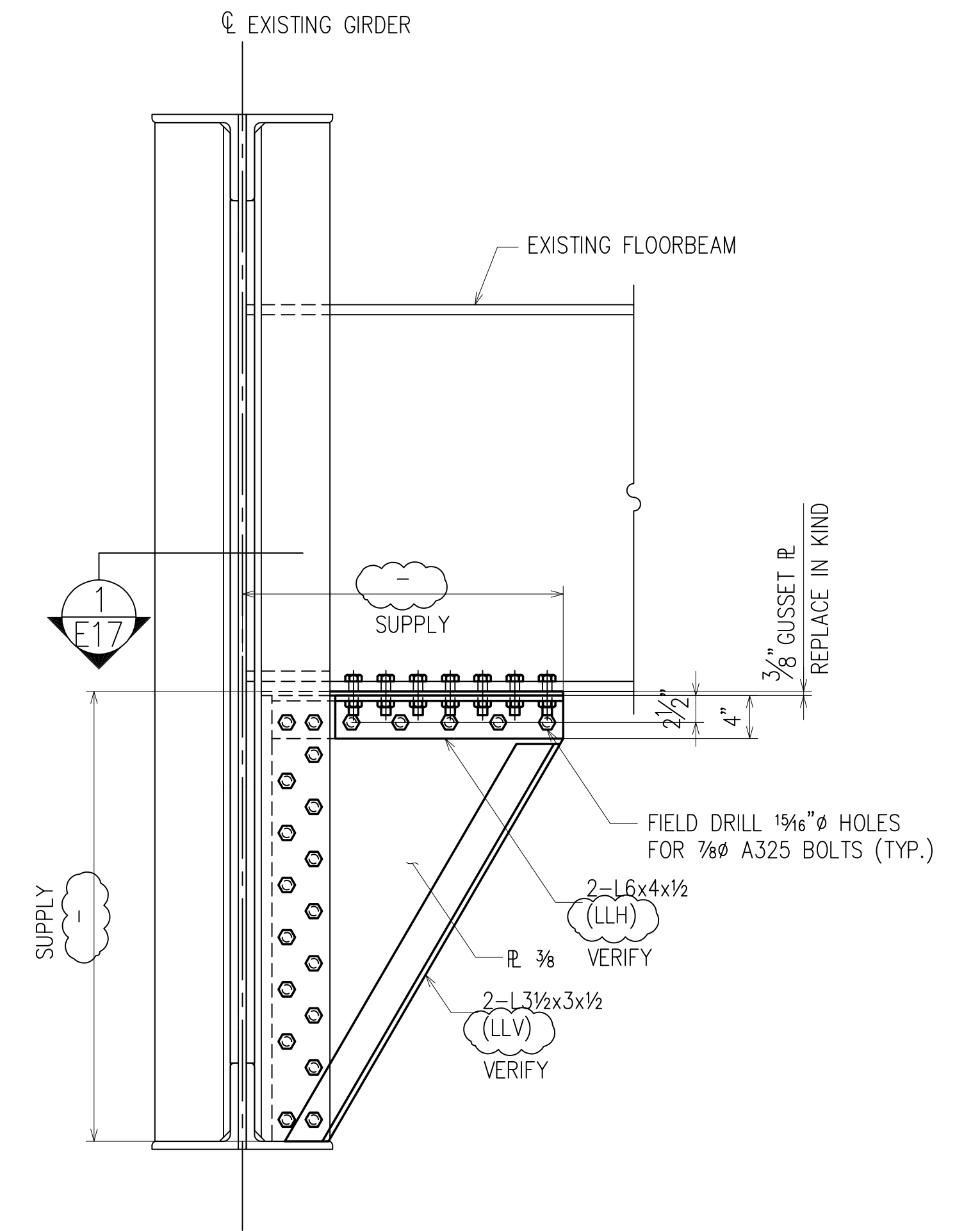
(TYPE IV)  
INTERMEDIATE STIFFENER ANGLE REPAIR DETAIL

(RE : B-112)  
REPAIR AREAS AT STIFFENER WITH  
PROPOSED OR EXISTING CONNECTED ELEMENTS  
AS DIRECTED BY THE ENGINEER  
(ESTIMATED TOTAL NUMBER OF LOCATIONS = 28)



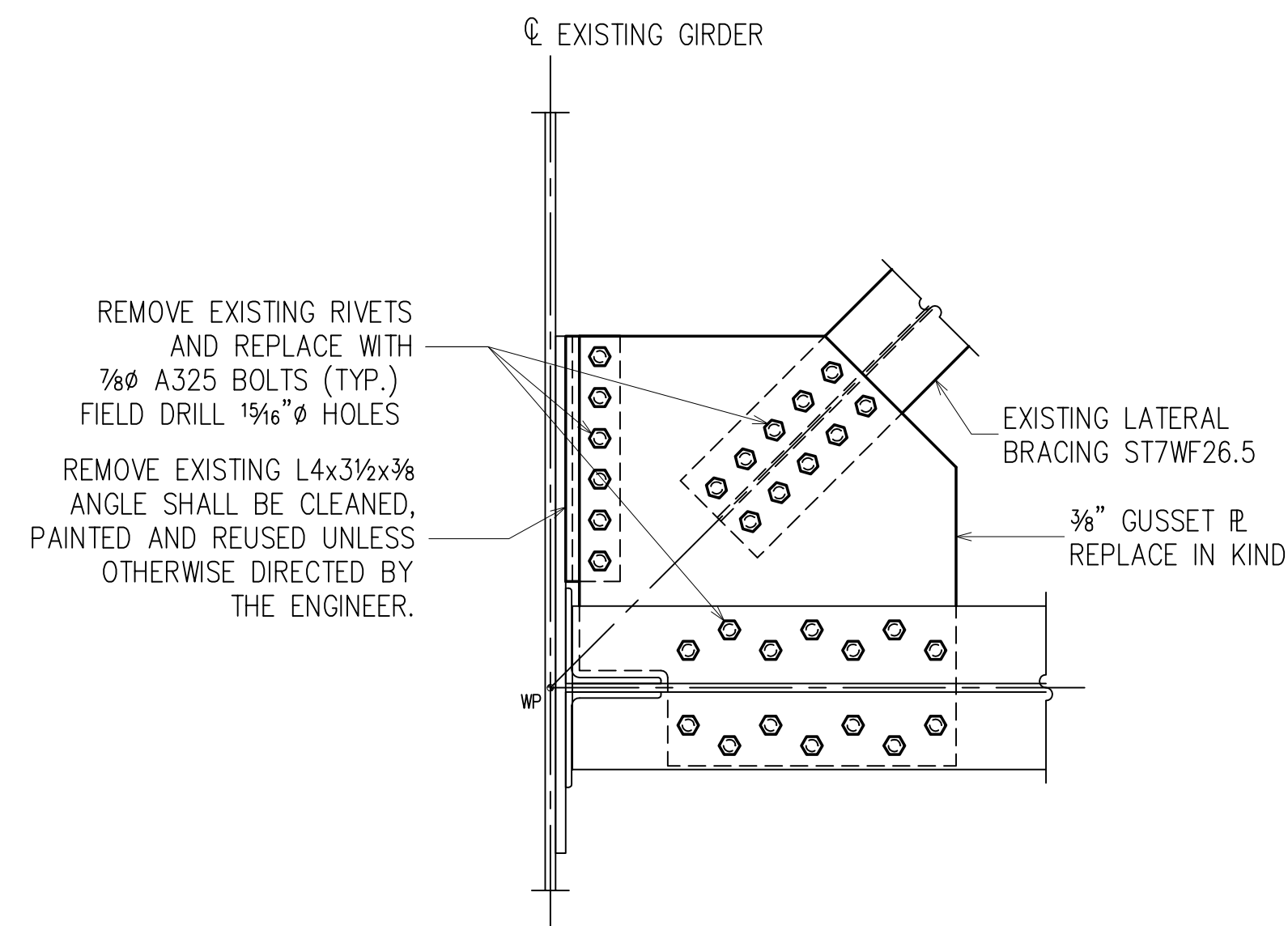
(TYPE VI)  
CRACK IN WEB REPAIR DETAIL

(RE : B-112)  
TYPICAL REPAIR  
AS DIRECTED BY THE ENGINEER  
(ESTIMATED TOTAL NUMBER OF LOCATIONS = 12)



(TYPE III)  
LATERAL BRACING GUSSET PLATE REPAIR DETAIL

(RE : B-112)  
(ESTIMATED TOTAL NUMBER OF LOCATIONS = 2)  
MK~45CF1



SECTION 1  
(RE : B-112) E17

**REPAIR NOTES:**

- EXISTING STEEL LOCATIONS WHICH REQUIRE REPAIR SHALL BE IDENTIFIED UPON COMPLETION OF BLAST CLEANING AND PRIME COAT APPLICATION. STEEL REPAIRS SHALL BE IN ACCORDANCE WITH SECTION 428 OF THE SPECIFICATIONS. SEE DETAILS THIS SHEET.
- INTERMEDIATE STIFFENERS WITH EXISTING FLOORBEAM ATTACHMENTS OR GIRDER CROSS BRACE ATTACHMENTS WHICH ARE HOLED THROUGH AFTER CLEANING SHALL BE REPAIRED AS PER DETAIL THIS SHEET.

**GC TO CONFIRM ALL DIMENSIONS**

**FOR APPROVAL ONLY NOT FOR FIELD USE**

**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

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				10/21/11	D5	A	FOR APPROVAL								

PRINT RECORD

REVISION RECORD



MATERIAL A709 U.N.O. HOLES 1 5/16" Ø U.N.O. BOLTS 7/8" Ø A325 U.N.O.

ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -

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CONTRACT # P100.130 LOCATION : MILEPOST 51.9

OWNER NEW JERSEY TURNPIKE AUTHORITY

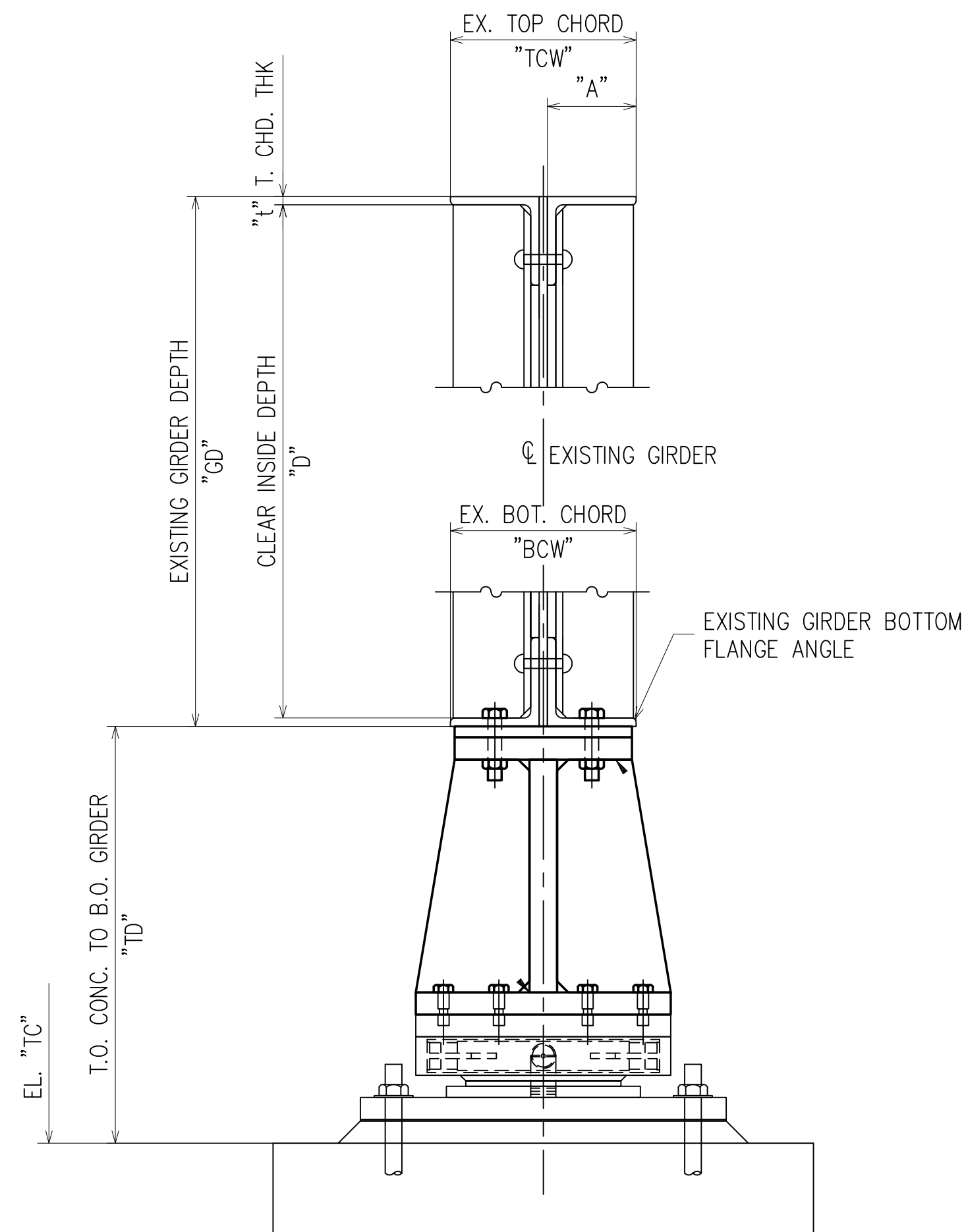
TITLE TYPICAL REPAIR DETAILS

PROJECT BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9

BY D5 DATE 3/25/11 CHK JG DATE 6/29/11 QC JOB No F10-0487 REV 0 DRG No E17



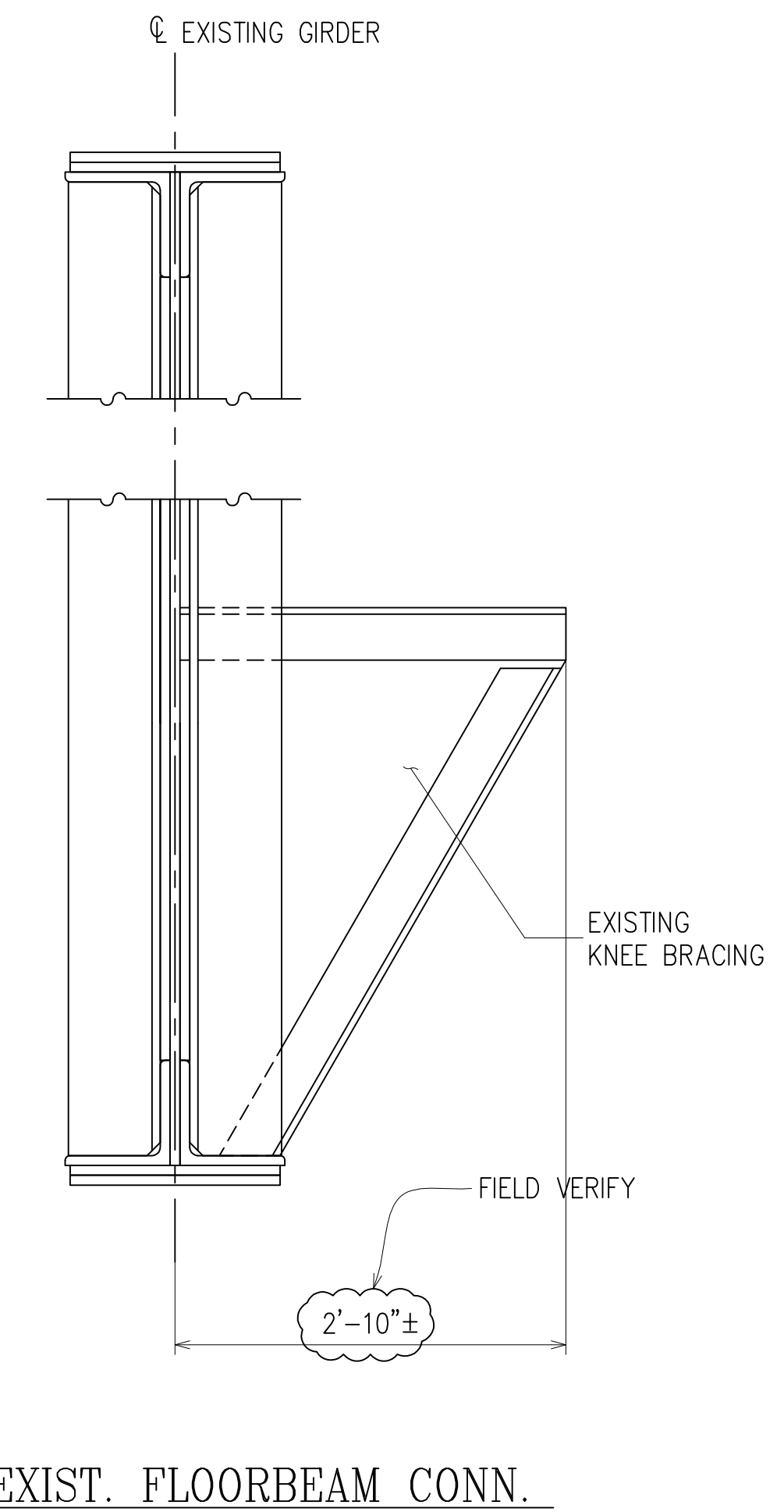




EXISTING GIRDER  
FIELD DIMENSION DIAGRAM

FIELD DIMENSION TABLE / EXISTING GIRDERS									
LOCATION	EX. GIRDER "MARK"	TOP OF CONCRETE ELEVATION "TC"	T.O. FROM B.O. EX. GIRD. "TD"	DEPTH OF EXIST. GIRDER "GD"	INSIDE DEPTH OF EX. GIRDER "D"	WIDTH OF EX. GIRDER TOP CHORD "TCW"	WIDTH OF EX. GIRDER BOT. CHORD "BCW"	TOP CHD. ANGLE "A"	TOP CHD. ANGLE THICKN'S "t"
ABUTMENT A	G1	-	-	-	-	-	-	-	-
	G2	-	-	-	-	-	-	-	-
	G3	-	-	-	-	-	-	-	-
	G4	-	-	-	-	-	-	-	-
PIER B SOUTH	G1	-	-	-	-	-	-	-	-
	G4	-	-	-	-	-	-	-	-
PIER B NORTH	G7	-	-	-	-	-	-	-	-
	G10	-	-	-	-	-	-	-	-
PIER C SOUTH	G7	-	-	-	-	-	-	-	-
	G8	-	-	-	-	-	-	-	-
	G9	-	-	-	-	-	-	-	-
	G10	-	-	-	-	-	-	-	-
PIER C NORTH	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-
PIER D	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-

FIELD DIMENSION TABLE / EXISTING GIRDERS									
LOCATION	EX. GIRDER "MARK"	TOP OF CONCRETE ELEVATION "TC"	T.O. FROM B.O. EX. GIRD. "TD"	DEPTH OF EXIST. GIRDER "GD"	INSIDE DEPTH OF EX. GIRDER "D"	WIDTH OF EX. GIRDER TOP CHORD "TCW"	WIDTH OF EX. GIRDER BOT. CHORD "BCW"	TOP CHD. ANGLE "A"	TOP CHD. ANGLE THICKN'S "t"
PIER E	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-
PIER F	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-
PIER G	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-
ABUTMENT H	G11E	-	-	-	-	-	-	-	-
	G12	-	-	-	-	-	-	-	-
	G13	-	-	-	-	-	-	-	-
	G11W	-	-	-	-	-	-	-	-



EXIST. FLOORBEAM CONN.

FOR APPROVAL ONLY  
NOT FOR FIELD USE

CONTRACTOR'S APPROVAL  
APPROVED BY  
RCC Fabricators, Inc.  
Drawing No. \_\_\_\_\_  
Spec Section: \_\_\_\_\_  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

FIELD DIMENSION TABLE / T.O.S. ELEV. @ EX. FLOORBEAMS								
LOCATION	EX. FLOORBEAM READING SOUTH TO NORTH	ELEV. TO T.O. EXIST. FLOORBEAM	LOCATION	EX. FLOORBEAM READING SOUTH TO NORTH	ELEV. TO T.O. EXIST. FLOORBEAM	LOCATION	EX. FLOORBEAM READING SOUTH TO NORTH	ELEV. TO T.O. EXIST. FLOORBEAM
SPAN 1 STAGE 3	1	-	SPAN 3 STAGE 3	1	-	SPAN 5 STAGE 4A	1	-
	2	-		2	-		2	-
	3	-		3	-		3	-
	4	-		4	-		4	-
SPAN 1 STAGE 4A	1	-	SPAN 3 STAGE 4A	1	-	SPAN 6 STAGE 3	1	-
	2	-		2	-		2	-
	3	-		3	-		3	-
	4	-		4	-		4	-
	5	-						
SPAN 2 STAGE 3	1	-	SPAN 4 STAGE 3	1	-	SPAN 6 STAGE 4A	1	-
	2	-		2	-		2	-
	3	-		3	-		3	-
	4	-		4	-		4	-
	5	-						
SPAN 2 STAGE 4A	1	-	SPAN 4 STAGE 4A	1	-	SPAN 7 STAGE 3	1	-
	2	-		2	-		2	-
	3	-		3	-		3	-
	4	-		4	-		4	-
SPAN 5 STAGE 3	1	-	SPAN 5 STAGE 3	1	-	SPAN 7 STAGE 4	1	-
	2	-		2	-		2	-
	3	-		3	-		3	-
	4	-		4	-		4	-

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION	DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION
-	D5	-	FOR APPROVAL	11/28/11	D5	B	FOR APPROVAL	10/28/11	D5	A	FOR APPROVAL				
PRINT RECORD															
REVISION RECORD															



MATERIAL A709 U.N.O. HOLES 1/4" Ø U.N.O. BOLTS 3/8" Ø A325 U.N.O.  
ELECTRODES E70XX (LH) or Equiv. FINISH ONE SHOP COAT OTHER -  
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CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9												
OWNER	NEW JERSEY TURNPIKE AUTHORITY														
TITLE	FIELD DIMENSION TABLES														
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9														
BY	D5	DATE	10/28/11	CHK	JG	DATE	10/28/11	QC		JOB No	F10-0487	REV	0	DRG No	FD1



**SPECIFICATIONS:**

- CONSTRUCTION OF THIS STRUCTURE SHALL CONFORM TO 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH CURRENT INTERIMS, AS MODIFIED BY NJTA DESIGN MANUAL SECTION 2; 2007 NEW JERSEY TURNPIKE AUTHORITY DESIGN MANUAL WITH CURRENT REVISIONS; 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION.
- ALL WELDING SHOULD CONFORM TO ANSI/AASHTO/AWS BRIDGE WELDING CODE D1.5, 2002 WITH SUBSEQUENT AASHTO REVISIONS.
- FABRICATION AND CONSTRUCTION SHALL CONFORM TO 2004 NEW JERSEY TURNPIKE AUTHORITY STANDARD AND SUPPLEMENTARY SPECIFICATIONS.

**MATERIAL:**

- ALL STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF ASTM A709, GRADE 50, UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL "STRINGERS" AND MAT'L NOTED "NFC" SHALL MEET SUPPLEMENTAL REQUIREMENTS FOR NON-FRACTURE CRITICAL MATERIAL AS INDICATED IN SECTION 909.01(F) OF THE SPECIFICATIONS. THIS SHALL INCLUDE ALL CONNECTION PLATES, GUSSET PLATES, AND ANGLES FOR "STRINGERS", AND ALL STIFFENER PLATES THAT ARE USED AS CONNECTION PLATES WHERE AT LEAST ONE OF THE MEMBERS CONNECTED IS A "STRINGER". ALL STEEL NOTED AS NON-FRACTURE CRITICAL SHALL MEET THE LONGITUDINAL CHARPY V-NOTCH TESTS SPECIFIED IN THE SUPPLEMENTARY REQUIREMENTS IN AASHTO M270 FOR ZONE 1. SAMPLING AND TESTING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO T243. THE (H) FREQUENCY OF HEAT TESTING SHALL BE USED.
- THE MINIMUM THICKNESS FOR ALL FILL PLATES SHALL BE  $\frac{3}{16}$ ". FILL PLATES SHALL CONFORM TO ASTM A709, GRADE 50, UNLESS NOTED OTHERWISE ON THE PLANS. WHERE FILL PLATES ARE NECESSARY IN THICKNESSES LESS THAN  $\frac{3}{16}$ ", ASTM A240, TYPE 304 STAINLESS STEEL PLATES SHALL BE PROVIDED.
- ALL H.S. BOLTS SHALL CONFORM TO ASTM A325-TC, TYPE 1; H.S. NUTS SHALL BE HEAVY HEX TYPE AND CONFORM TO ASTM A563, GRADE DH; WASHERS SHALL CONFORM TO ASTM F436. THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES. ALL BOLTS SHALL BE MECHANICALLY GALVANIZED PER ASTM F1852.
- CONNECTIONS OF STRUCTURAL STEEL ELEMENTS SHALL BE MADE WITH  $\frac{7}{16}$ "  $\phi$  A325 IN  $\frac{1}{16}$ "  $\phi$  HOLES, UNLESS NOTED OTHERWISE ON THE PLANS.

**FABRICATION AND WORKMANSHIP:**

- FABRICATE ALL STEEL WITH THE NATURAL CAMBER UP.
- CLIP CORNERS OF ALL BEARING STIFFENERS, CROSS-FRAME CONNECTION PLATES, AND INTERMEDIATE STIFFENERS AS NOTED ON DETAIL DRAWINGS.

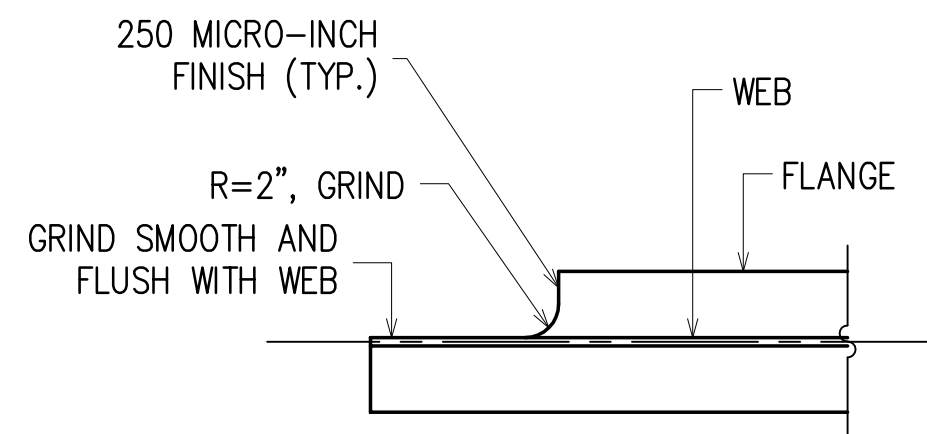
**SHOP WELDING AND TESTING NOTES:**

- WELDING SHALL BE IN ACCORDANCE WITH ANSI/AASHTO/AWS BRIDGE WELDING CODE, D1.5 EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS & APPLIED SHOP WELDING PROCEDURES.
- NON-DESTRUCTIVE TESTING SHALL BE IN ACCORDANCE WITH ANSI/AASHTO/AWS BRIDGE WELDING CODE, D1.5, AS SHOWN ON THE DETAIL DRAWINGS.
- ALL WELDS SHALL BE 100% VISUALLY INSPECTED. VISUAL INSPECTION SHALL BE PERFORMED BEFORE, DURING, AND AFTER THE COMPLETION OF WELDING.
- ALL BUTT AND GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS.
- NO WELDS SHALL BE MADE TO THE TENSION FLANGE, EXCEPT FOR AUTOMATIC STUD WELDING.

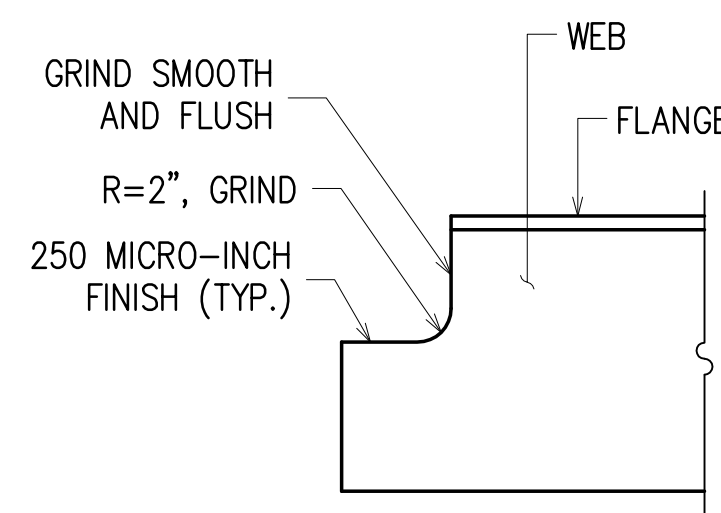
**SHOP FINISH:**

- SURFACE PREP SHALL CONFORM TO SSPC-SP10.
- ALL MEMBERS TO RECEIVE ONE SHOP COAT OF SHERWIN WILLIAMS ZINC CLAD III HS ORGANIC ZINC RICH EPOXY 3-5 MILS DFT UNLESS NOTED OTHERWISE ON DETAIL DRAWINGS. THIS INCLUDES FAYING SURFACES.

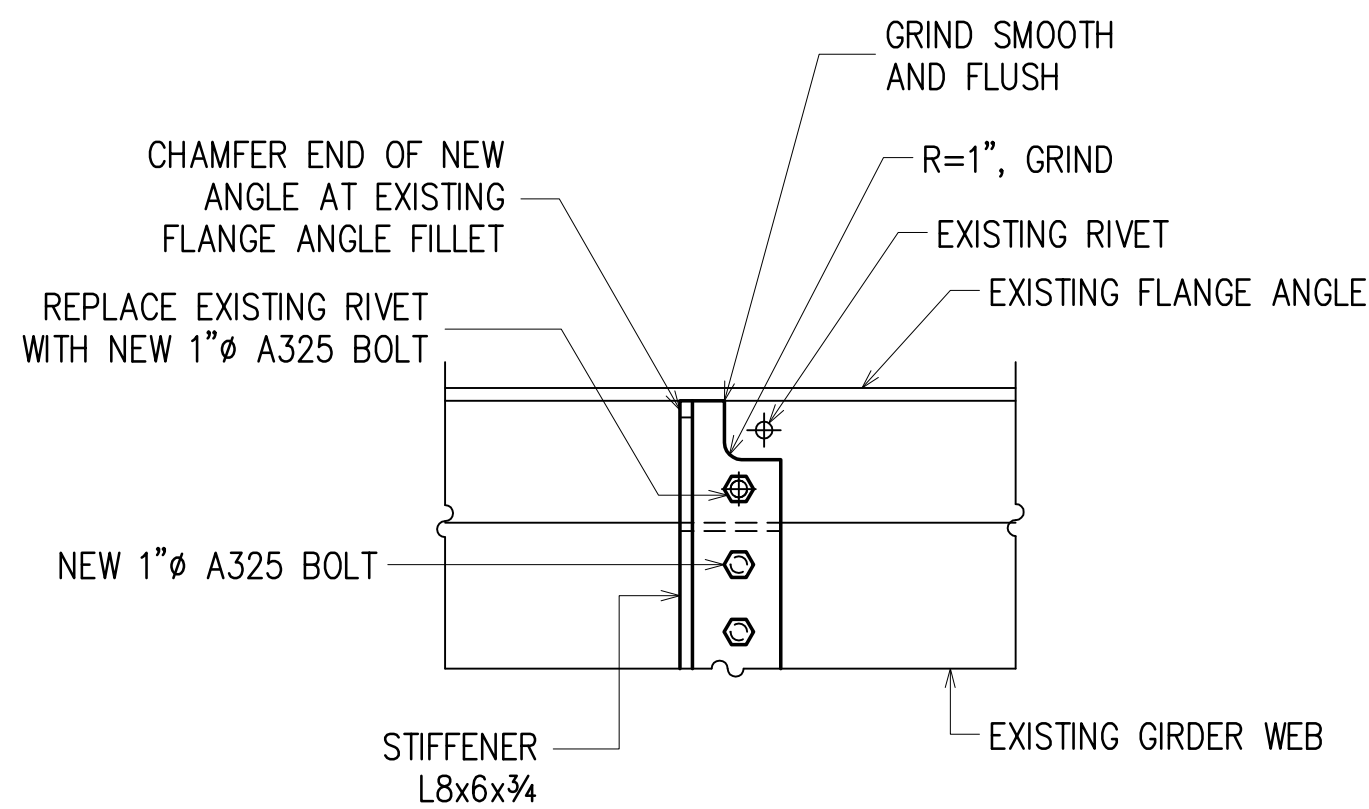
**ALL DIMENSIONS TO BE CONFIRMED BY THE GENERAL CONTRACTOR**



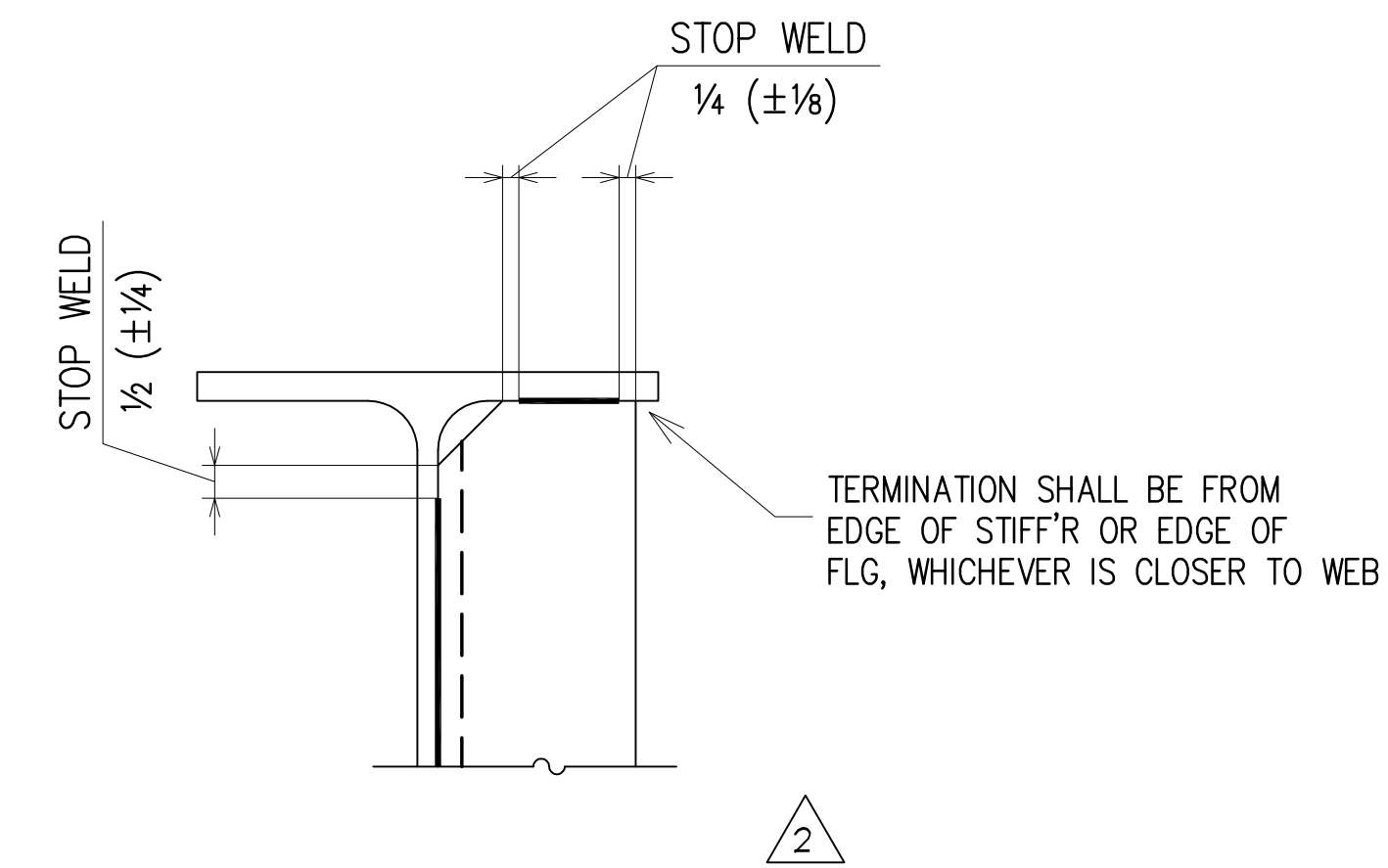
**TYPICAL BLOCKING DETAIL**  
(RE : B-115)



**TYPICAL COPE DETAIL**  
(RE : B-115)



**TYPICAL STIFFENER ANGLE END DETAIL**  
(RE : B-110)



**STIFFENER FILLET WELD TERMINATION DETAIL**

**CONTRACTOR'S APPROVAL**

APPROVED BY  
RCC Fabricators, Inc.

Drawing No. \_\_\_\_\_

Spec Section: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

DATE	BY	COPIES	DESCRIPTION	DATE	BY	COPIES	DESCRIPTION
-	D5	-	FOR APPROVAL				

PRINT RECORD

DATE	BY	REV	DESCRIPTION	DATE	BY	REV	DESCRIPTION
4/6/12	D5	2	ADDED WELD TERMINATION DETAIL				
2/3/12	D5	1	PER ENG'RS COMMENTS				
12/2/11	D5	C	FOR APPROVAL				
11/28/11	D5	B	FOR APPROVAL				
10/21/11	D5	A	FOR APPROVAL				

REVISION RECORD



MATERIAL	A709 U.N.O.	HOLES	$\frac{1}{16}$ " $\phi$ U.N.O.	BOLTS	$\frac{7}{8}$ " $\phi$ A325 U.N.O.
ELECTRODES	E70XX (LH) or Equiv.	FINISH	ONE SHOP COAT	OTHER	-
APPROVAL BY THE OWNER OR REPRESENTATIVE OF, AND/OR CONTRACTOR OF THESE SHOP DRAWINGS PREPARED BY RCC FABRICATORS INC. INDICATES THAT RCC FABRICATORS HAS CORRECTLY INTERPRETED THE CONTRACT DRAWING REQUIREMENTS. CONTRACTOR SHALL APPROVE DRAWINGS, BY STAMP AND/OR SIGNATURE, OR MAKE CHANGES REQUIRED ON DRAWINGS AND RETURN TO RCC FABRICATORS INC. RCC FABRICATORS INC. IS ONLY RESPONSIBLE THAT THE ITEMS ARE FABRICATED TO REFLECT APPROVED SHOP DRAWINGS. FIELD ADJUSTMENTS MAY BE REQUIRED FOR PROPER FIT DUE TO VARIOUS TRADES INVOLVED AND CONDITIONS BEYOND OUR CONTROL. THESE DRAWINGS ARE THE PROPERTY OF RCC FABRICATORS, INC. ANY USE FOR FABRICATION OR ESTIMATING WITHOUT THE WRITTEN CONSENT OF RCC FABRICATORS IS PROHIBITED.					



2035 Route 206 South, P.O. Box 2597, Southampton, NJ 08088 Phone: 609-859-9350 Fax: 609-859-9355					
CONTRACT #	P100.130	LOCATION :	MILEPOST 51.9		
OWNER	NEW JERSEY TURNPIKE AUTHORITY				
TITLE	GENERAL NOTES & TYPICAL DETAILS				
PROJECT	BASS RIVER BRIDGE/SOUTHBOUND MILEPOST 51.9				
BY	D5	DATE	3/25/11	CHK	JG
DATE	6/29/11	QC		JOB No	F10-0487
REV	2	DRG No	GN-1		