



# **ESSEX COUNTY OFFICE OF THE MANAGER**

7551 Court Street · P.O. Box 217 · Elizabethtown, New York 12932  
Telephone (518) 873-3332 · Fax (518) 873-3339

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Daniel L. Palmer  
County Manager

Linda M. Wolf  
Purchasing Agent

**TO:** All Bidders

**FROM:** Linda Wolf, CPA, Purchasing Agent

**DATE:** December 20, 2012

**SUBJECT:** Addendum #1 CRANE CONTRACTOR FOR OTIS LANE BRIDGE

**This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *CRANE CONTRACTOR FOR OTIS LANE BRIDGE* Bid Opening December 28, 2012.**

**Please make the following changes to the Bid Documents:**

**Delete the DRAWINGS (pages 3 – 28) and  
replace with the attached DRAWINGS.**

END OF ADDENDUM #1

DATE PLOTTED August 26, 2011

S:\JOBS\NEW YORK\50515-Contech-Exsex Co.-016-Lane-Elizabethtown NY-88 x 14-Weathering Truss-Gehv.Undercarriage\Drawings\50515.dwg

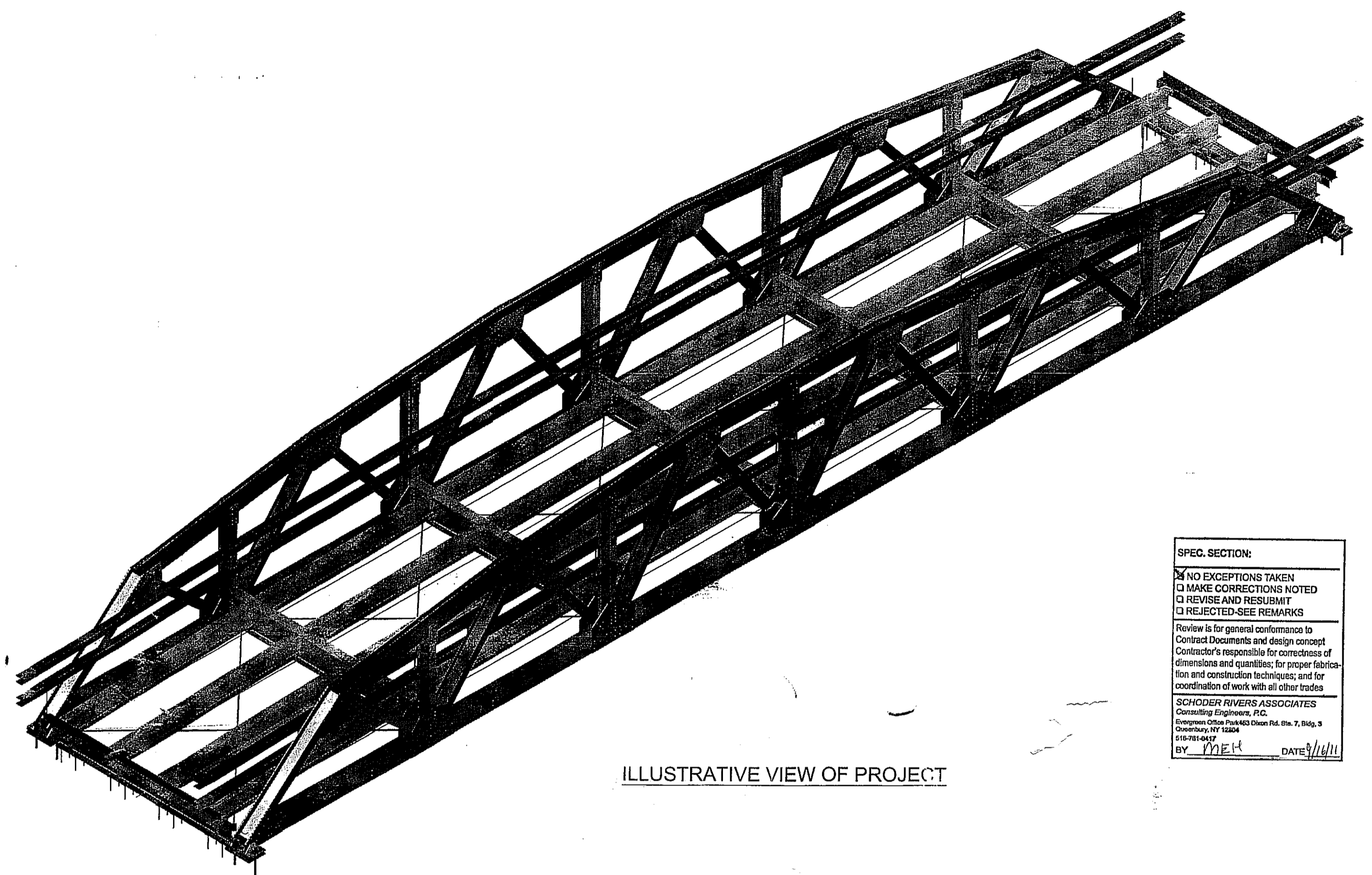
**GENERAL NOTES:**

- DESIGN SPECIFICATION:  
AASHTO LFRD BRIDGE DESIGN SPECIFICATIONS 4TH EDITION (2007), WITH ALL INTERIM SPECIFICATIONS IN EFFECT.
- MATERIAL:  
ALL TRUSS SUPERSTRUCTURE STEEL SHALL BE ASTM A709, GRADE 50W (A588), UNLESS NOTED OTHERWISE. ALL OTHER SUPERSTRUCTURE STEEL SHALL BE ASTM A709, GRADE 50 (A572), UNLESS NOTED OTHERWISE. ALL STEEL A572 GALVANIZED AFTER FABRICATION. ALL FASTENERS, UNLESS NOTED OTHERWISE SHALL BE 3/8" HIGH STRENGTH BOLTS, ASTM A325 WITH ASTM A563 GRADE DH OR DH3 NUT AND ONE F436 WASHER PER BOLT. FASTENERS SHALL BE FURNISHED WITH ROTATIONAL CAPACITY TEST.  
  
FLOOR BEAMS, STRINGERS, BOTTOM CHORD GUSSET PLATES, BOTTOM CHORDS & DIAGONALS SHALL MEET TOUGHNESS TESTING CRITERIA FOR: NFC ZONE 2 CVN (15 FT-LBS @ 40°F)
- CONSTRUCTION/FABRICATION:  
AASHTO LFRD BRIDGE CONSTRUCTION SPECIFICATIONS 2ND EDITION (2004), WITH ALL INTERIM SPECIFICATIONS IN EFFECT.
- WELDING:  
ALL WELDING SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5 BRIDGE WELDING CODE AND THE AASHTO FRACTURE CONTROL, WHERE APPLICABLE.  
  
NON-DESTRUCTIVE TESTS OF ALL WELDS SHALL BE PERFORMED AS FOLLOWS:  
FILLET WELDS - VISUAL INSPECTION - 100%  
FILLET WELDS - MAGNETIC PARTICAL TESTING - 10% MIN PER AWS D1.5
- FLOORING:  
TIMBER DECK BY OTHER
- ANCHOR BOLTS:  
THE ANCHOR BOLTS SHALL EITHER BE CAST-IN-PLACE DURING THE ABUTMENT CONSTRUCTION OR DRILLED AND ANCHORED TO THE ABUTMENTS AFTER THE BRIDGE IS ERECTED. THE ANCHOR BOLTS ARE TO BE ANCHORED USING EPON A7 FAST CURING ACRYLIC ADHESIVE OR EQUAL. EPON A7 IS A PRODUCT OF ITW RED HEAD, 2171 EXECUTIVE DRIVE, ADISSON, IL 60101, PHONE: 603-350-0370. THE ACRYLIC ADHESIVE IS FURTHER DESCRIBED AS A TWO COMPONENT METHYL METHACRYLATE ADHESIVE, NON-SAG PASTE, MOISTURE INSENSITIVE WHEN CURED, DARK GREY IN COLOR. MEETS ASTM C881-90, TYPE IV, GRADE 3, CLASS A,B AND C WITH THE EXCEPTION OF GEL TIME AND EPOXY CONTENT.
- PROFILE GRADE:  
TRUSS GRADE TO BE ON 0% WITH BEARINGS FABRICATED FOR 0% GRADE.  
  
END PANEL STRINGERS ON 3.6% GRADE TO ACCOMIDATE REQUIRED DECK CURVE. STRINGER BEARINGS BEVELED TO MATCH 3.6% CURVE.
- BOLT LENGTHS:  
THE LENGTH OF BOLTS IN THESE PLANS HAS BEEN DESIGNED TO PROVIDE A FULLY TENSIONED BOLT WITH 1 HARDENED WASHER AND A THREAD STICK-THROUGH OF BETWEEN 1 AND 3 THREADS; BASED ON THE THEORETICAL SECTION PROPERTIES OF THE JOINED MEMBERS. THREAD STICK THROUGH OF A FULLY TENSIONED BOLT WITH MORE THAN 3 THREADS IS PERMITTED AND MAY OCCUR BECAUSE OF THINNER MEMBERS THAT ARE WITHIN ACCEPTABLE MILL TOLERANCES. THE MINIMUM STICK THROUGH SHALL NOT BE LESS THAN 0 THREADS (FLUSH).  
  
ANY CHANGES TO THE INSTALLED BOLT LENGTHS CALLED FOR IN THESE SHOP DRAWINGS SHALL BE REPORTED TO THE ENGINEERING DEPARTMENT TO BE RECORDED AS AN "AS-BUILT" CONDITION.  
  
THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE FIELD BOLTS IN ACCORDANCE WITH THESE DRAWINGS. INCORRECTLY INSTALLED BOLTS BY THE CONTRACTOR WILL RESULT IN CHANGED QUANTITIES FROM THOSE INTENDED. THE CONTRACTOR'S INSTALLATION IS SUBJECT TO FIELD REVIEW BY A U.S. BRIDGE REPRESENTATIVE BEFORE ANY CLAIM FOR ADDITIONAL BOLT QUANTITIES OR DELAYS WILL BE CONSIDERED.

**SHOP NOTES:**

- "REF" INDICATES DIMENSION HAS BEEN TRANSPOSED FROM THE CONTRACT DOCUMENTS (CD'S).
- "CHK" INDICATES DIMENSION IS TO BE USED TO CHECK FABRICATED MEMBER AFTER LAYOUT.
- "HOLD" INDICATES DIMENSION HAS GOVERNING PRIORITY OVER OTHER DIMENSIONS.
- STAMPING LOCATIONS AND BOLT HOLE SIZES ARE SHOWN WITH A BOX SURROUNDING THE TEXT.
- NATURAL OR MILL CAMBER SHALL BE ORIENTED UP ON ALL MEMBERS UNLESS NOTED OTHERWISE.
- lower case PIECE MARKS INDICATE INDIVIDUAL PIECES.
- UPPER CASE PIECE MARKS INDICATE SHIPPABLE ASSEMBLIES.
- ALL FASTENERS INCLUDE 1 BOLT, 1 NUT & 1 WASHER UNLESS NOTED OTHERWISE.
- GUSSET PLATE MARKINGS AT VISIBLE PLACE ON OUTSIDE OF CONNECTION.
- 1/2" DIAMETER HOLES SHALL BE DRILLED IN PLAIN MATERIAL THAT IS TO BE GALVANIZED. BURNING BY TORCH IS PROHIBITED. TWO HOLES MINIMUM SHALL BE SYMMETRICALLY LOCATED ALONG A USUAL GAGE LINE OF THE SHAPE OR PLATE AND NO CLOSER THAN 2" TO ANY FREE EDGE.
- TEMPORARY BOLTS FOR SHIPPING (TEMP BOLTS) SHALL BE ZINC PLATED AND INCLUDE 1 FLAT WASHER + 1 LOCK WASHER + 1 NUT INSTALLED IN SAME SIDE AND FASTENED SNUG TIGHT; 3 MIN. PER CONNECTION. TEMPORARY BOLTS ARE NOT QUANTIFIED IN THESE PLANS.

# OTIS LANE BRIDGE OVER THE BOQUET RIVER ESSEX COUNTY, NEW YORK



ILLUSTRATIVE VIEW OF PROJECT

**SPEC. SECTION:**  
 NO EXCEPTIONS TAKEN  
 MAKE CORRECTIONS NOTED  
 REVISE AND RESUBMIT  
 REJECTED-SEE REMARKS  
 Review is for general conformance to Contract Documents and design concept. Contractor's responsibility for correctness of dimensions and quantities, for proper fabrication and construction techniques, and for coordination of work with all other trades.  
**SCHODER RIVERS ASSOCIATES**  
 Consulting Engineers, P.C.  
 One Empire State Plaza 43rd Floor Rm. 7, Bldg. 5  
 New York, NY 10048  
 212-691-4617  
 BY: *MEH* DATE: 8/26/11

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

PROJECT DESIGN CRITERIA:	
SPAN:	88'-00" C/C BEARINGS
ROADWAY WIDTH:	14'-0"
SIDEWALK:	N/A
SKEW:	N/A
DESIGN LIVE LOAD:	HL93
EXPANSION:	NA
CONNECTIONS:	FIELD BOLTED & SHOP WELDED
DESIGN LOADS:	
TIMBER DECK	25 PSF
ASPHALT	25 PSF
FUTURE WEARING SURFACE	50 PSF
TRUSS SHOE REACTION:	
DEAD LOAD Dc	24.4K
DEAD LOAD Dw	23.1K
LIVE LOAD	71.2K
IMPACT	16.4K
ABUTMENT LOADS:	
WIND LOAD	19.8K
BRAKING FORCE	16.1K
SEISMIC LONGITUDINAL	22.3K
LATERAL	11.1K

INDEX OF SHEETS	
SERIES #	DESCRIPTION
1	TITLE SHEET
2	CONSTRUCTION PLANS/FRAMING
3	CONSTRUCTION PLANS/TRANSVERSE SECTIONS
4	CONSTRUCTION PLANS/ABUTMENTS
5	CONSTRUCTION PLANS/FIELD ASSEMBLY
6	N/A
7	CONSTRUCTION PLANS/RAILING LAYOUT
8	BILL OF MATERIALS
9	SHOP DETAILS/TRUSS ASSEMBLY
10	SHOP DETAILS/SHOP ASSEMBLY
11	SHOP DETAILS/PROFILES
12	SHOP DETAILS/PLATES



SYMBOLS & ABBREVIATIONS	
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DIST. BY: **CONTECH** CONSTRUCTION PRODUCTS INC. www.contech-cpi.com

FAB. BY: **U.S. BRIDGE** BRIDGING AMERICA SINCE 1936

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RESUBMITTAL NO. 2	8/26/11	2			
CUSTOMER APPROVAL	-				
SHOP REVIEW	-				
PRE FAB MTG	-				
APPROVED FOR FAB	-				

STATE OF NEW YORK  
SEAL OF THE STATE ENGINEER

OTIS LANE BRIDGE OVER BOQUET RIVER ESSEX COUNTY, NY

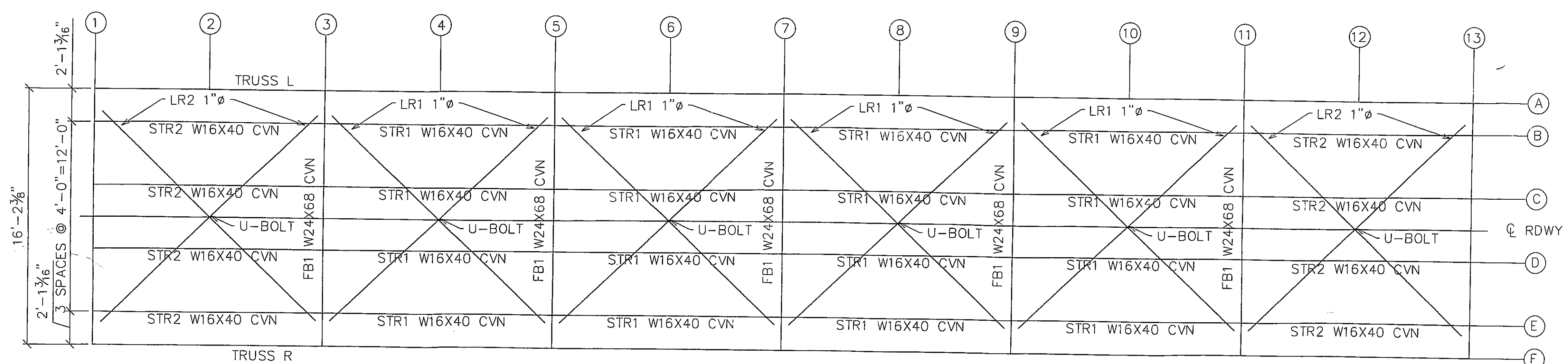
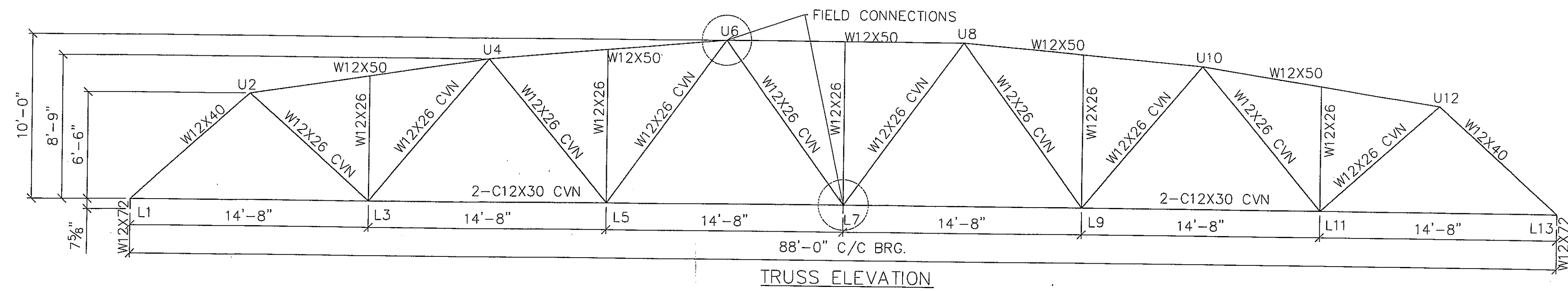
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TITLE SHEET

ITEM NO.: PROJECT NO.: 09-117.13A REFERENCE NO.: REF NO BRIDGE NO.: 3301650 STRUCTURAL FILE NO.:

USB JOB# 50515

TOTAL



ABUTMENT #1 EXPANSION TRUSS L TRUSS R ABUTMENT #2 FIXED

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APPROVED FOR FABRICATION  
8/26/11

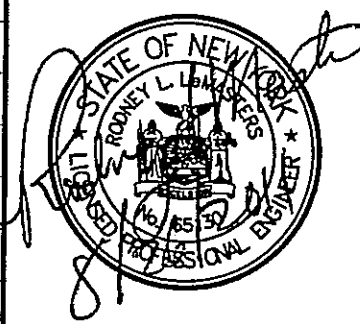
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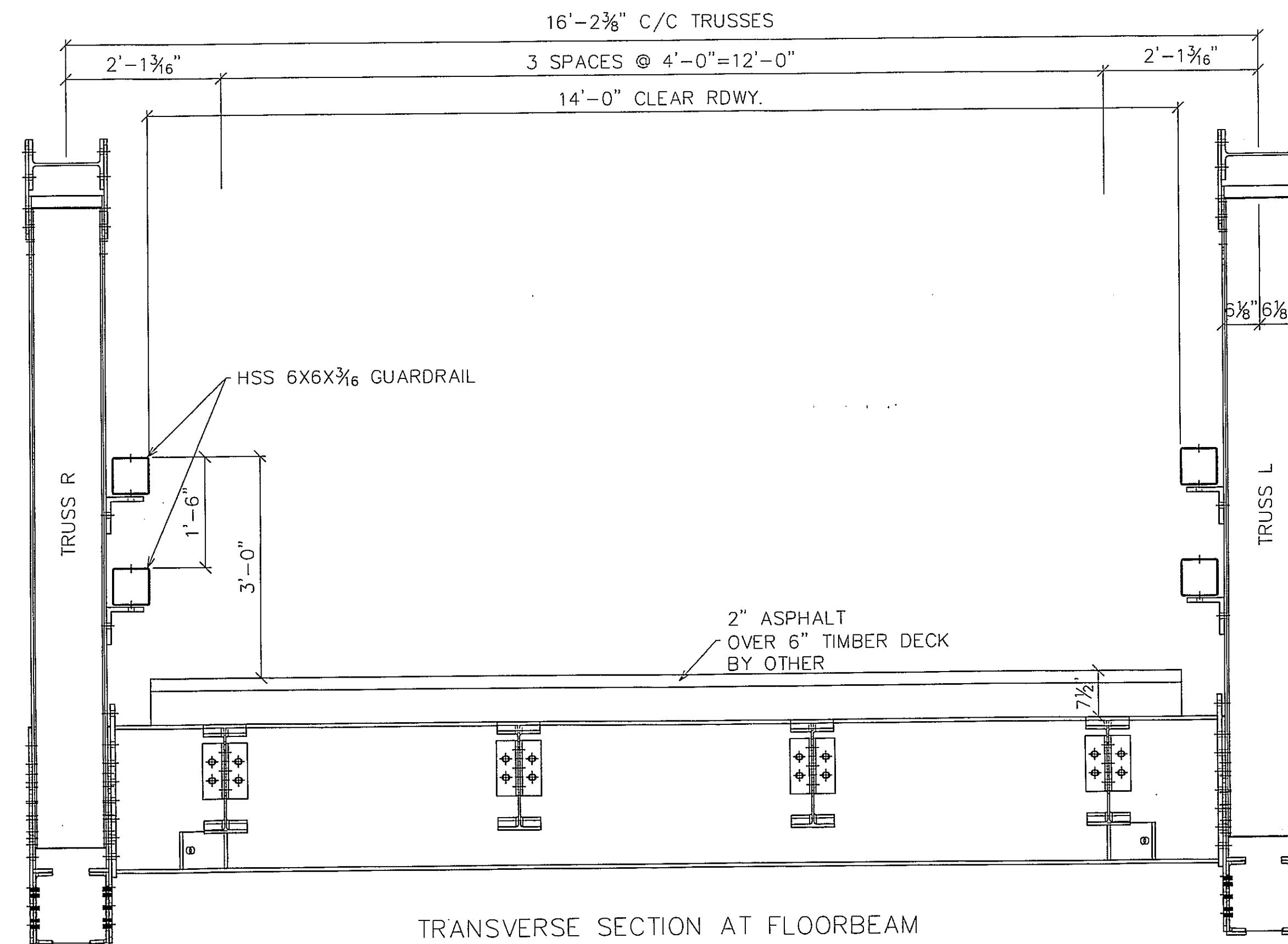
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SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			



OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY


ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:


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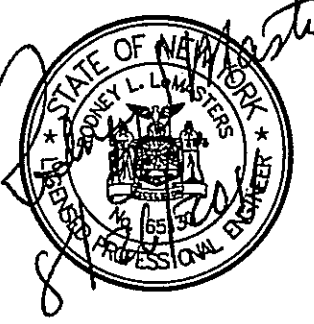
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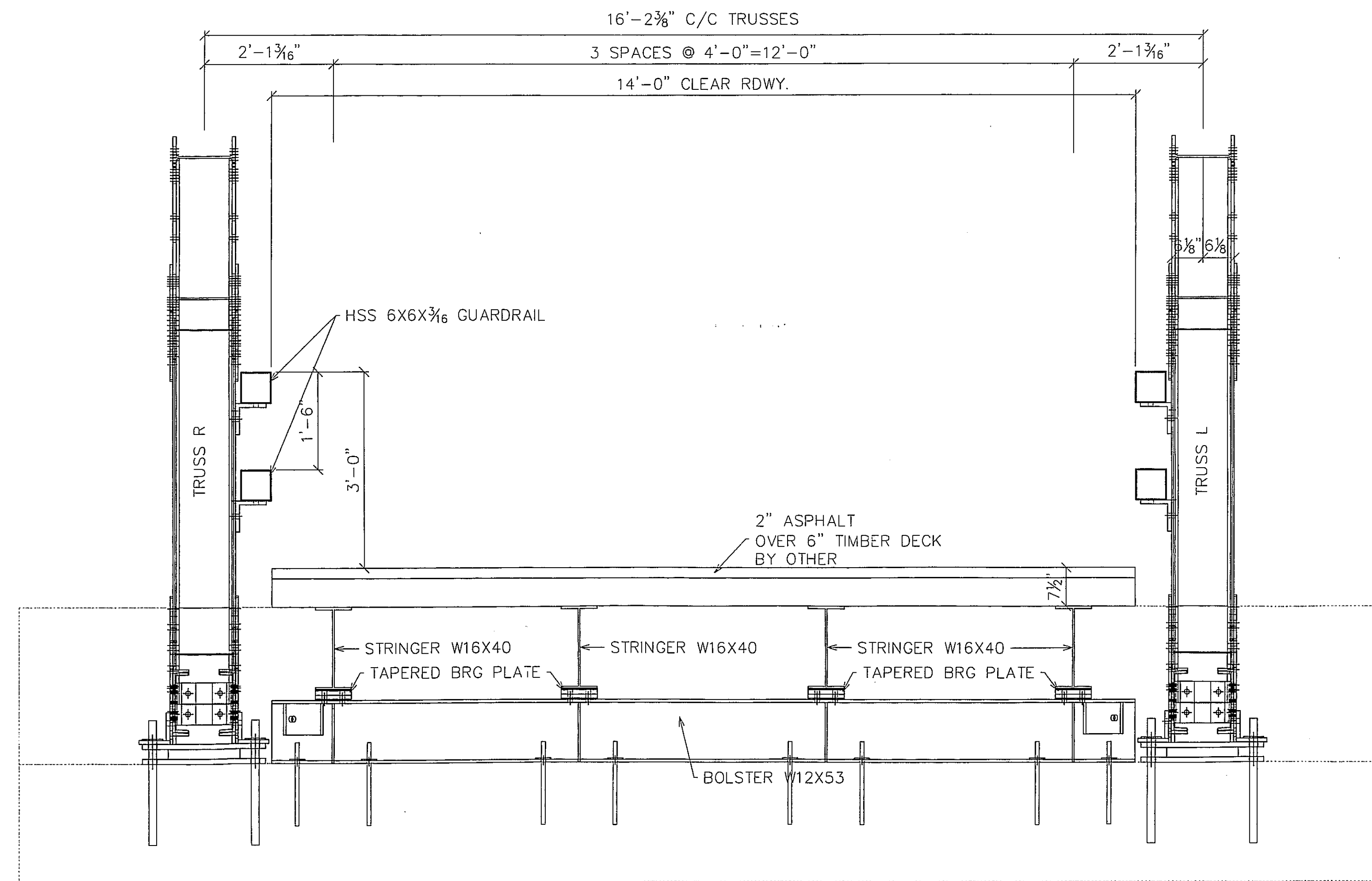
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SHOP REVIEW	-	▲			
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BY: 

OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

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	09-117.13A	REF NO	3301650	
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			50515	3a
				20
				TOTAL



TRANSVERSE SECTION AT ABUTMENT

**FINAL**  
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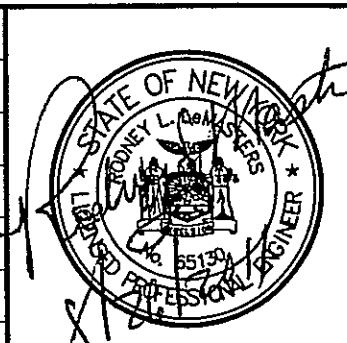
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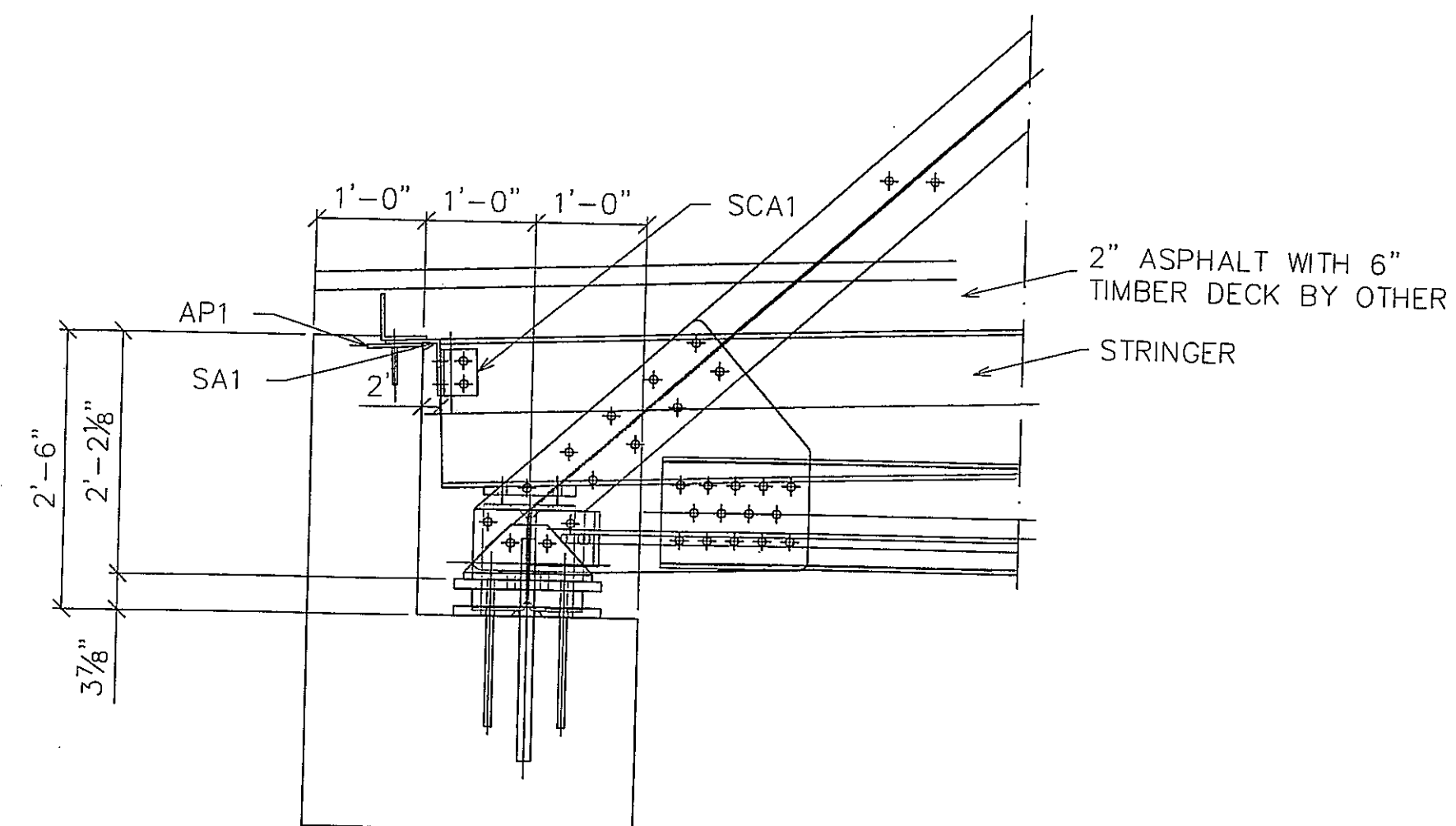


OTIS LANE BRIDGE  
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ESSEX COUNTY, NY

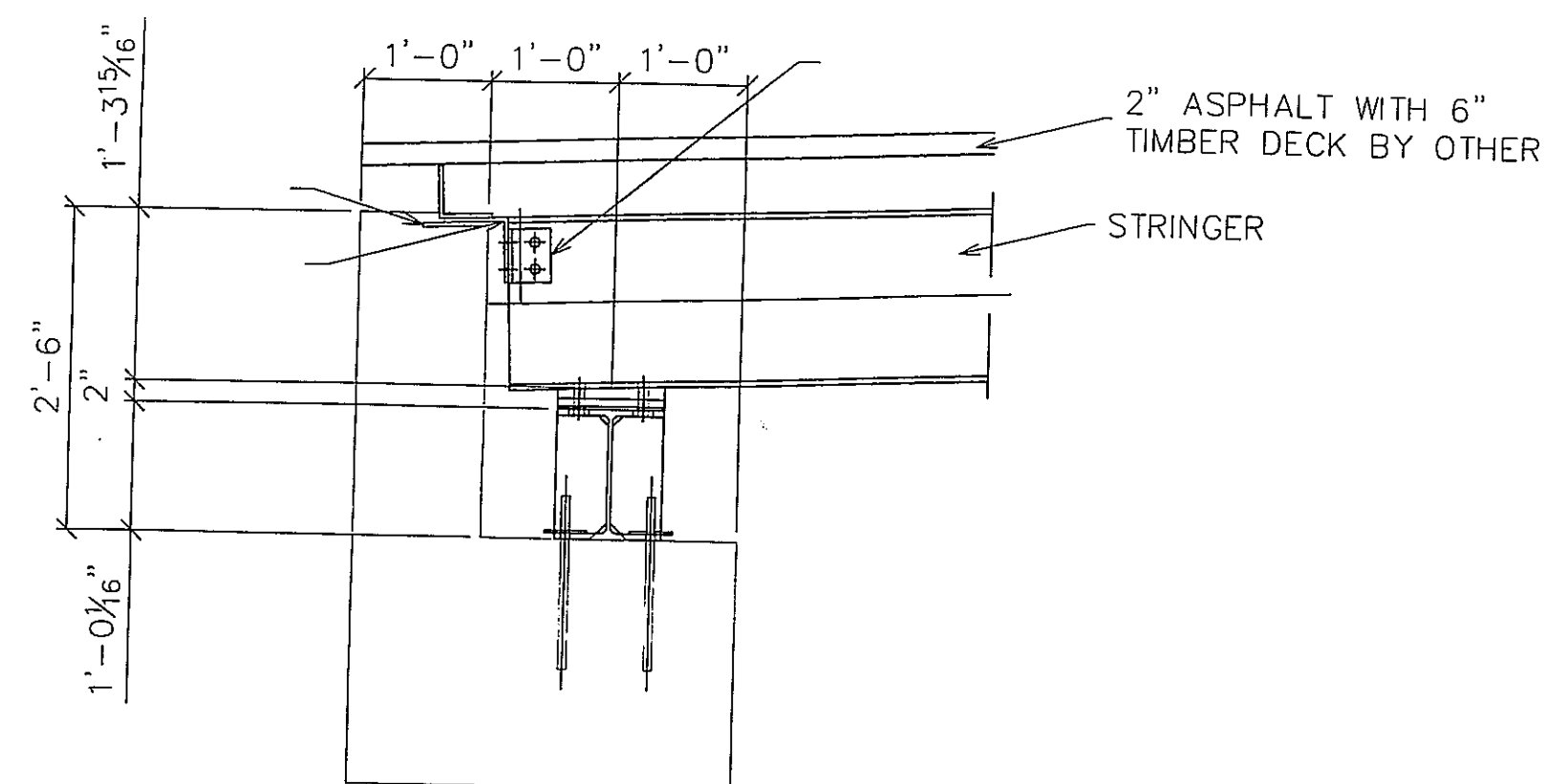
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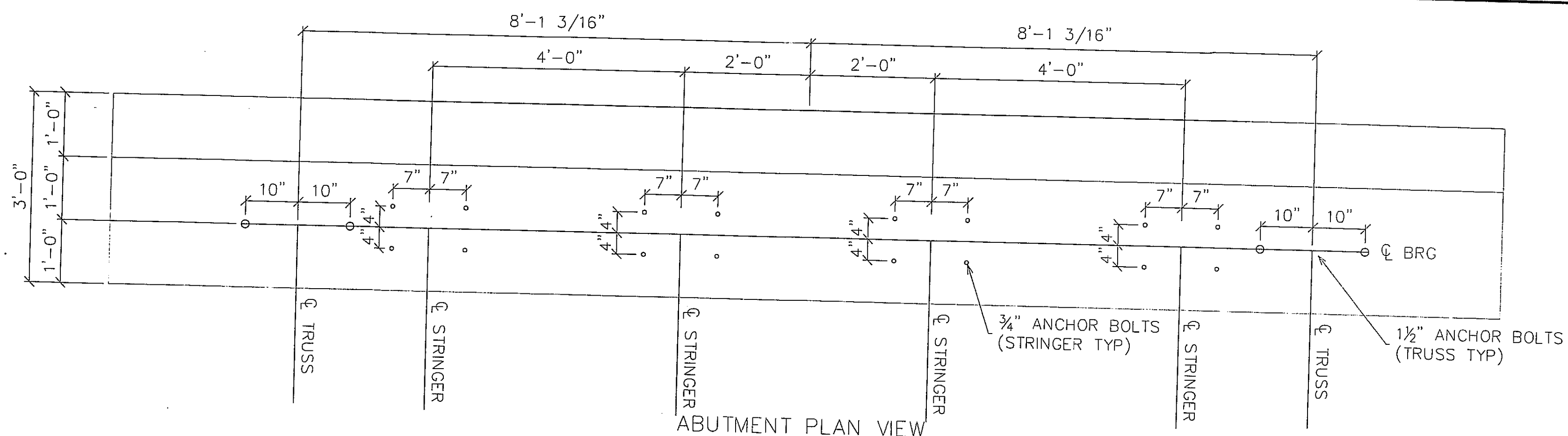
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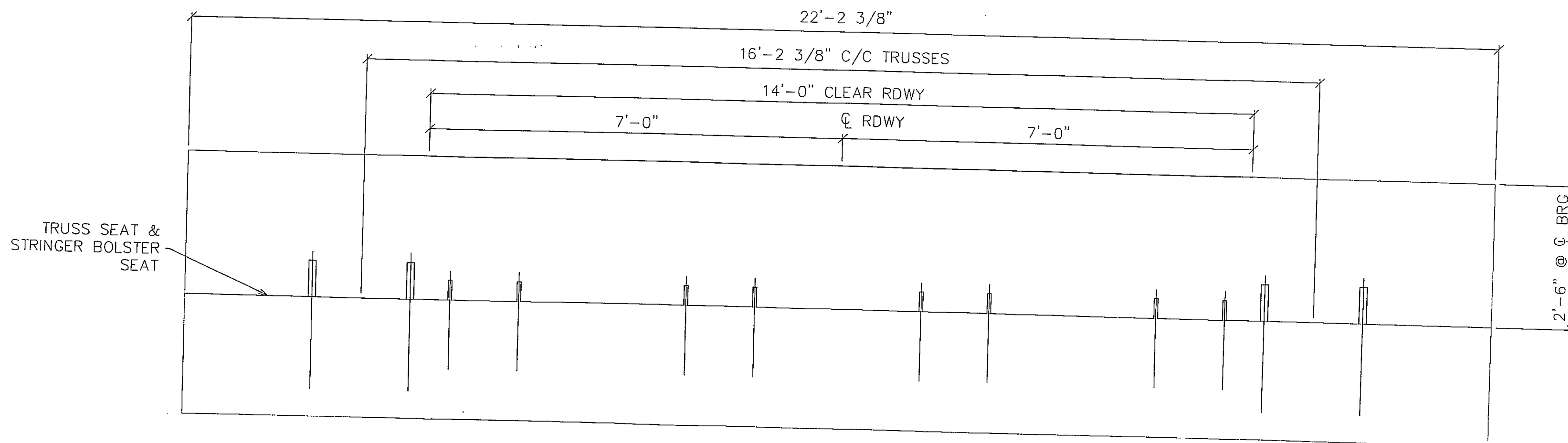
ABUTMENT SECTION @ TRUSS



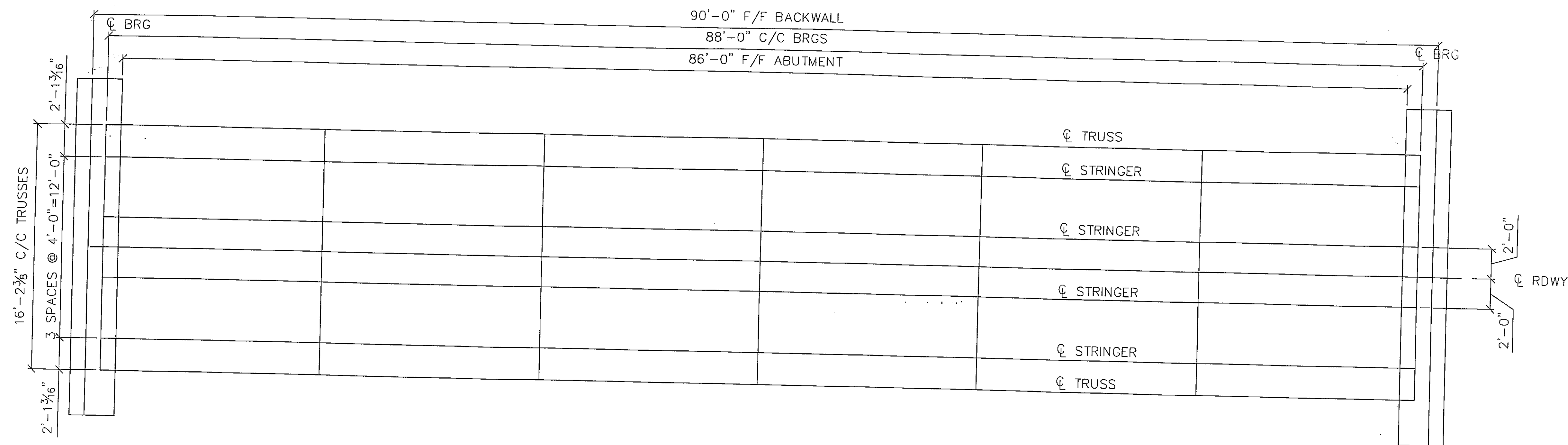
ABUTMENT SECTION @ STRINGERS



ABUTMENT PLAN VIEW



ABUTMENT ELEVATION VIEW



ABUTMENT PLAN

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

S:\JOBS\NEW YORK\50515-Contech-Essex Co.-Otis Lane-Elizabethtown, NY-88 x 14 Weathering Truss-Galv.Undercarriage\Drawings\50515.dwg

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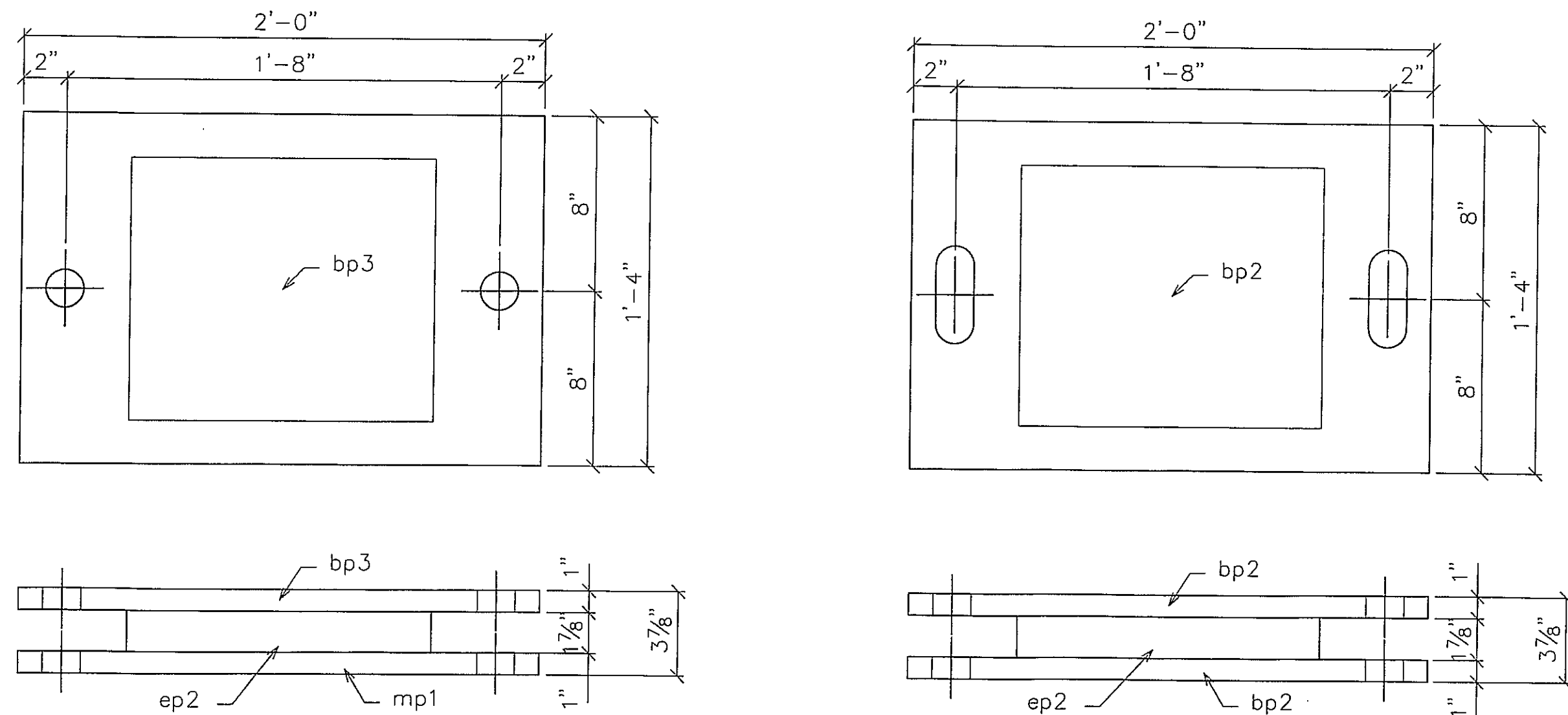
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CUSTOMER APPROVAL		-	▲			
SHOP REVIEW		-	▲			
PRE FAB MTG		-	▲			
APPROVED FOR FAB		-	▲			



OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

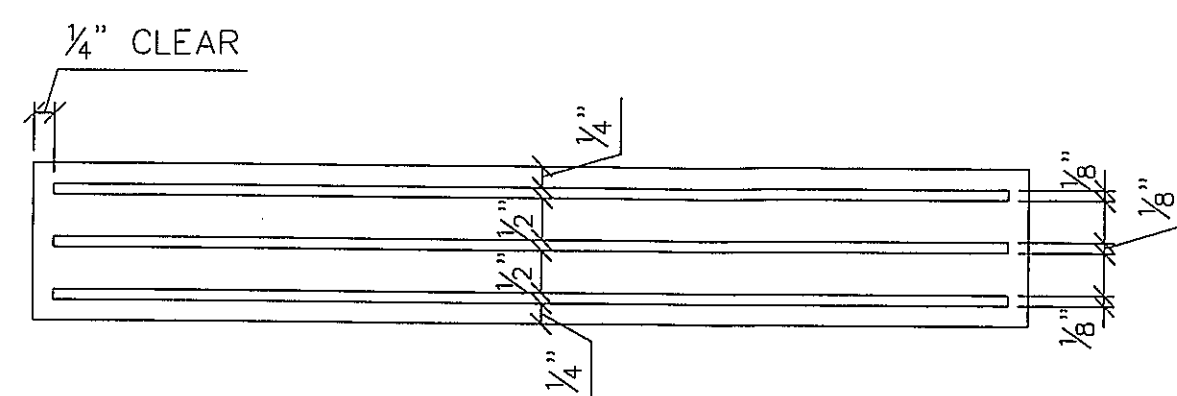
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USB JOB#			50515	20
			TOTAL	



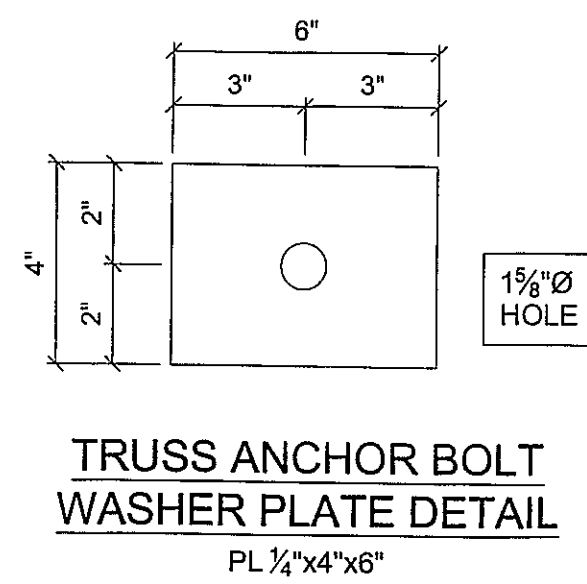
**FIXED BEARINGS**  
 1 PC. - BEARING PLATES 1'x1'-4"x2'-0" W/1/4" HOLES - TOP PLATE "SOLE PLATE"  
 1 PC. - ELASTOMERIC PAD 1 7/8"x1'-2"x1'-0"  
 1 PC. - PLATES 1'x1'-4"x2'-0" W/1/4" HOLES - BOTTOM PLATE "MASONRY PLATE"

**EXPANSION BEARINGS**  
 1 PC. - BEARING PLATES 1'x1'-4"x2'-0" W/1/4"x4 1/2" SLOTS - TOP PLATE "SOLE PLATE"  
 1 PC. - ELASTOMERIC PAD 1 7/8"x1'-2"x1'-0"  
 1 PC. - PLATES 1'x1'-4"x2'-0" W/1/4" HOLES - BOTTOM PLATE "MASONRY PLATE"

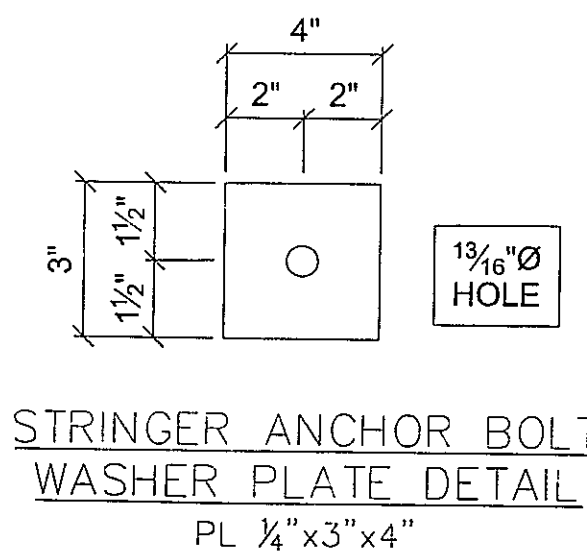
VULCANIZE PAD TO SOLE PLATE



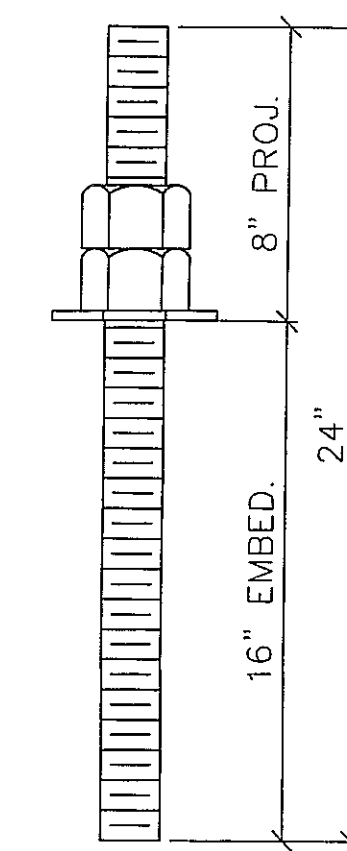
1 7/8" x 14" x 12", 60 DUROMETER  
 ELASTOMERIC PAD WITH THREE 1/8", 50  
 KSI REINFORCING SHIMS IN THE MIDDLE.



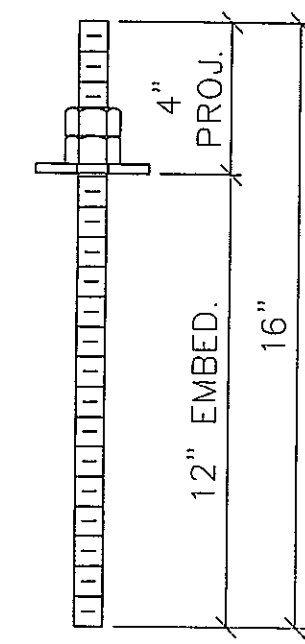
**TRUSS ANCHOR BOLT  
 WASHER PLATE DETAIL**  
 PL 1/4"x4"x6"



**STRINGER ANCHOR BOLT  
 WASHER PLATE DETAIL**  
 PL 1/4"x3"x4"



8 - TRUSS ANCHOR BOLT - AB1  
 1 1/2" Ø A449  
 ALL THREAD GALV.  
 ROD WITH 2 NUTS  
 & ONE 1" x 4" x 6" WASHER



32 - STRINGER ANCHOR BOLT - AB2  
 3/4" Ø A449  
 ALL THREAD GALV.  
 ROD WITH 2 NUTS  
 & ONE 1" x 3" x 4" WASHER

**FINAL**  
 APPROVED FOR FABRICATION  
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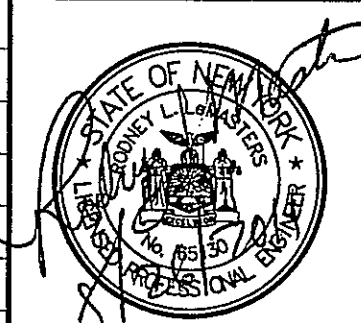
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DIST. BY: **CONTECH**  
 CONSTRUCTION PRODUCTS INC.  
 www.contech-cpl.com

FAB. BY: **U.S. BRIDGE**  
 BRIDGING AMERICA SINCE 1936

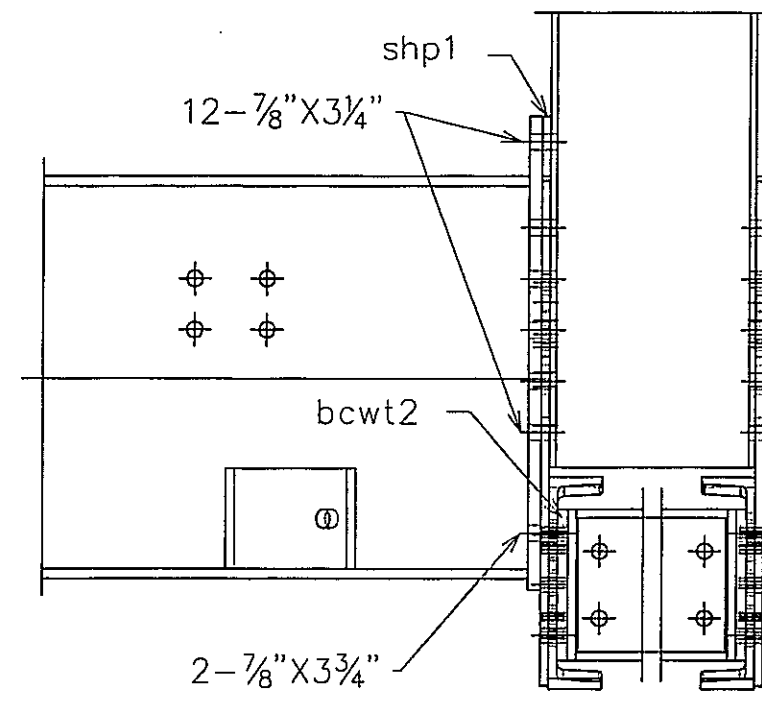
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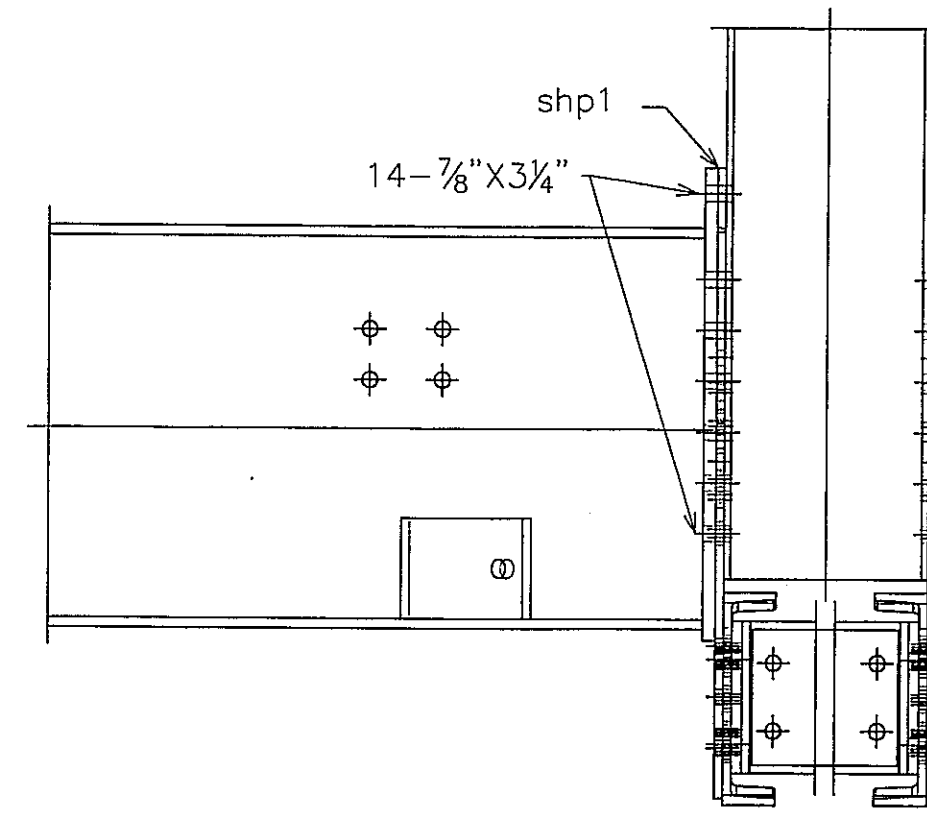
OTIS LANE BRIDGE  
 OVER BOQUET RIVER  
 ESSEX COUNTY, NY

ITEM NO.:  
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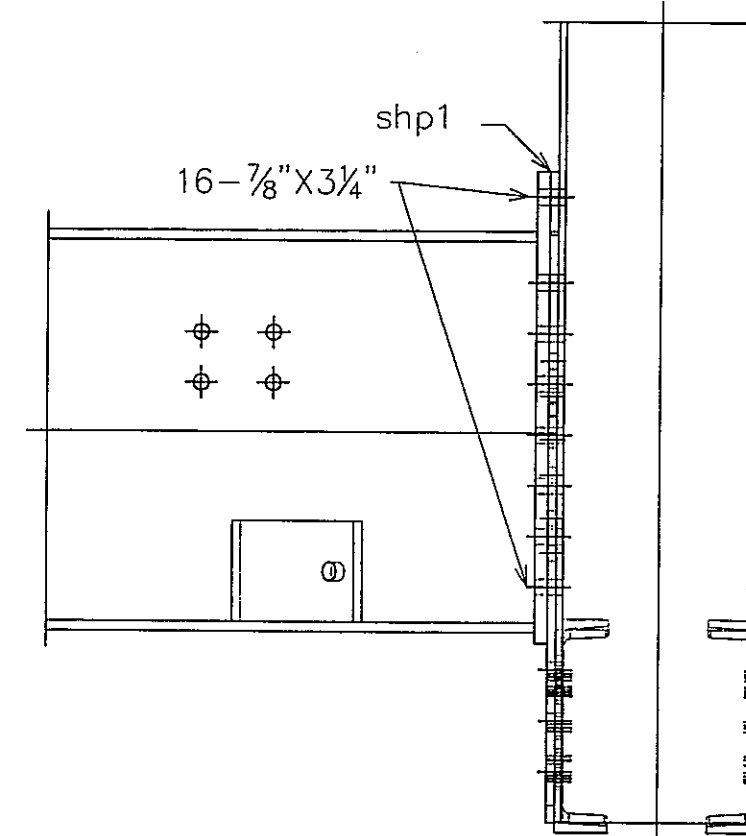
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CONSTRUCTION PLANS			ABUTMENTS	4a
USB JOB#			50515	20
				TOTAL



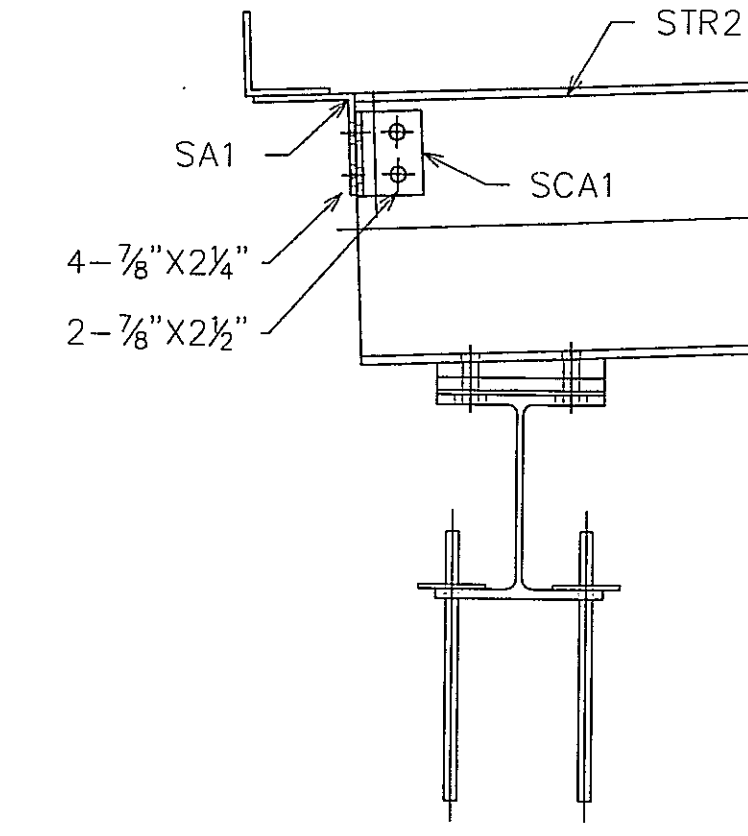
FLOORBEAM TO TRUSS L3 CONNECTION



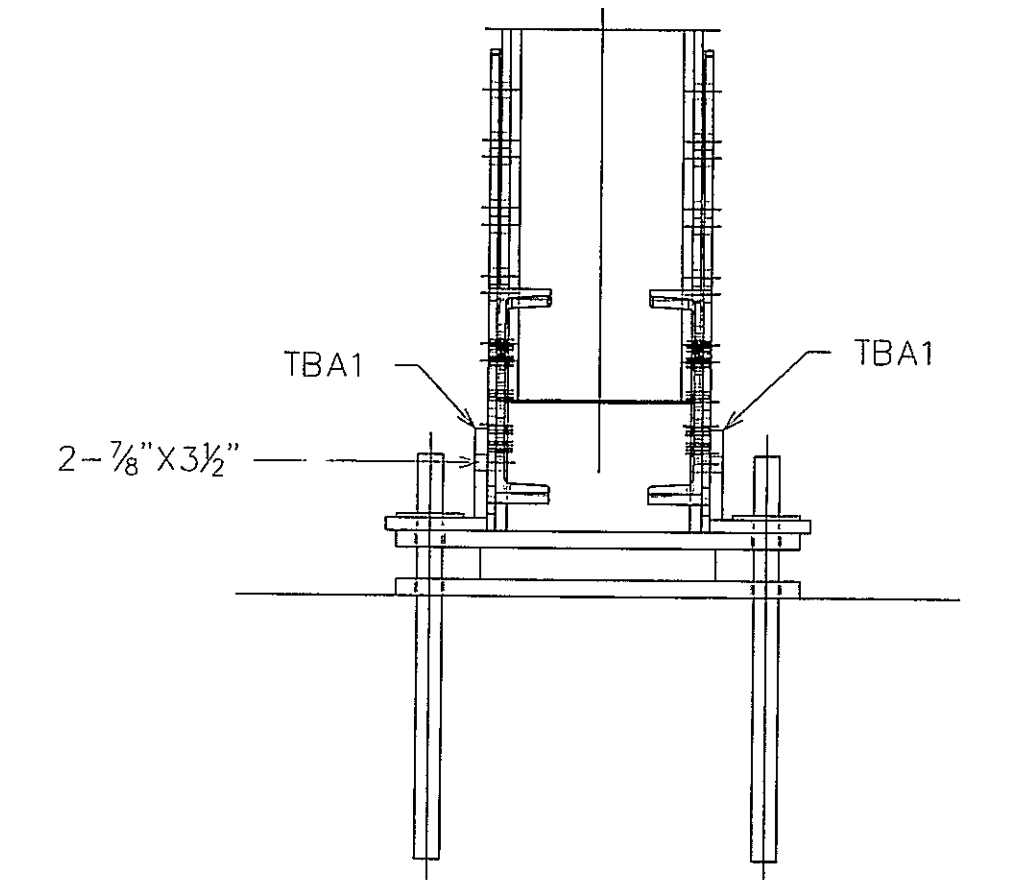
FLOORBEAM TO TRUSS L5 CONNECTION



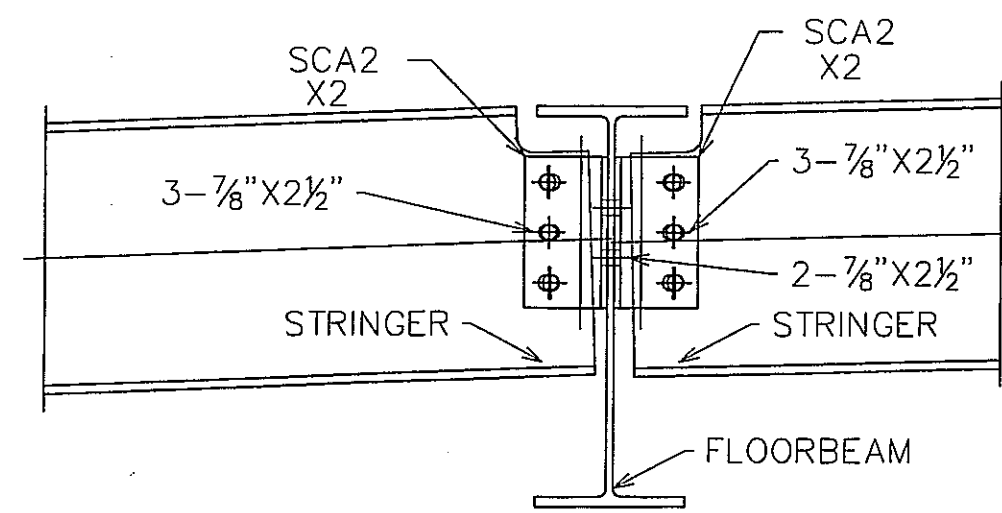
FLOORBEAM TO TRUSS L7 CONNECTION



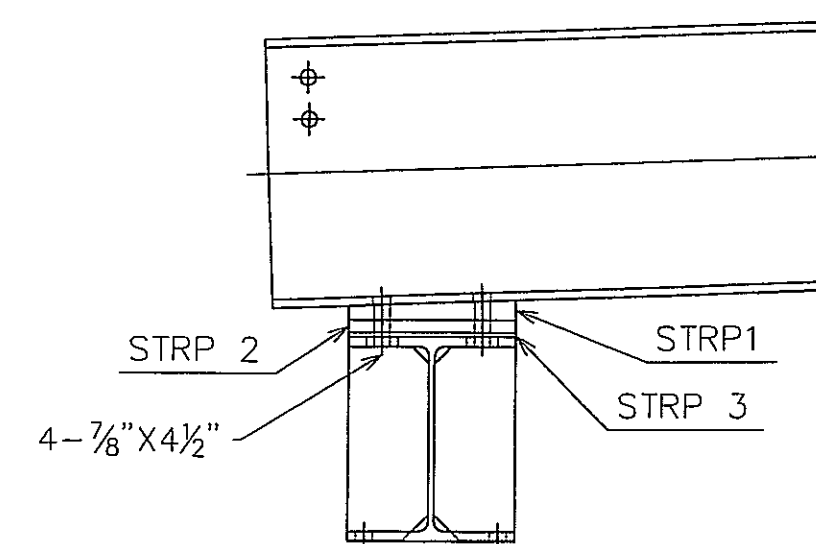
SHELF ANGLE TO STRINGER CONNECTION



TRUSS TO BEARING CONNECTION



STRINGER TO FLOORBEAM CONNECTION



BOLSTER TO STRINGER CONNECTION

BOLT CHART FIELD ASSEMBLY		7/8" A325 [TYPE 1 GALVANIZED]									
LOCATION		2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/2"
L7 to Vert to FB END PLATE							32				
L5L9 to Vert to FB END PLATE							56				
L3L11 to Vert to FB END PLATE							48				
L3L11 TO BCWT TO FB END PLATE TO BC									8		
BOLLSTER BEAM TO BRG PLATE TO STR											32
SCA2 TO STR TO SCA2				120							
SCA2 TO FB TO SCA2				80							
SCA1 TO STR TO SCA1				16							
SCA1 TO SA1			32								
TOTAL		0	32	216	0	0	136	0	8	0	32

BOLT CHART FIELD ASSEMBLY		7/8" A325 [TYPE 3 WEATHERING]									
LOCATION		2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	
TBA TO SHOE									16		
TOTAL		0	0	0	0	0	0	16	0	0	

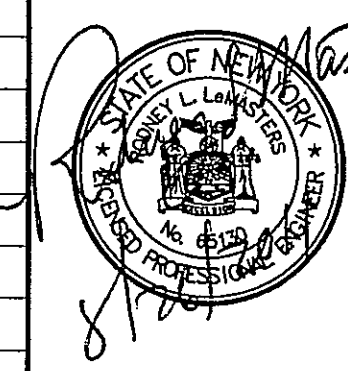
**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

**SYMBOLS & ABBREVIATIONS**  
 ES: EACH SIDE  
 EQ: EQUAL  
 CL: CENTERLINE  
 REF: REFERENCE  
 CHK: CHECK  
 O/O: OUT TO OUT  
 C/C: CENTER TO CENTER  
 F/F: FACE TO FACE  
 DIA/Ø: DIAMETER  
 R: RADIUS  
 NS: NEAR SIDE  
 FS: FAR SIDE  
 WP/⊕: WORK POINT  
 GA: GAUGE  
 ID: INSIDE DIAMETER  
 OD: OUTSIDE DIAMETER  
 BRG: BEARING  
 TYP: TYPICAL  
 UNO: UNLESS NOTED OTHERWISE  
 ABUT: ABUTMENT  
 T&B: TOP & BOTTOM

DIST. BY:  
FAB. BY:



SUBMITTAL LOG	DATE	NO.	DATE:	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			

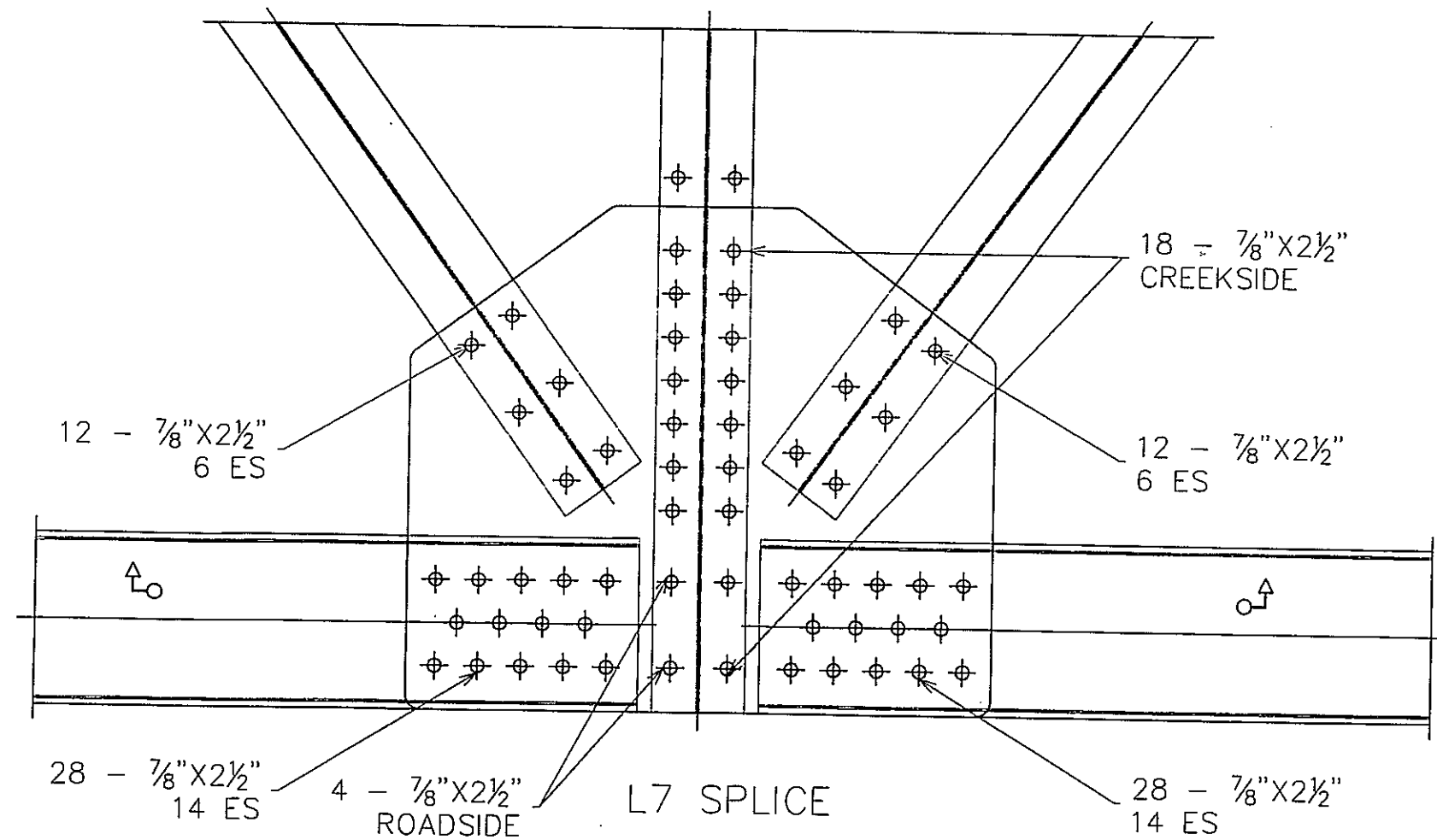
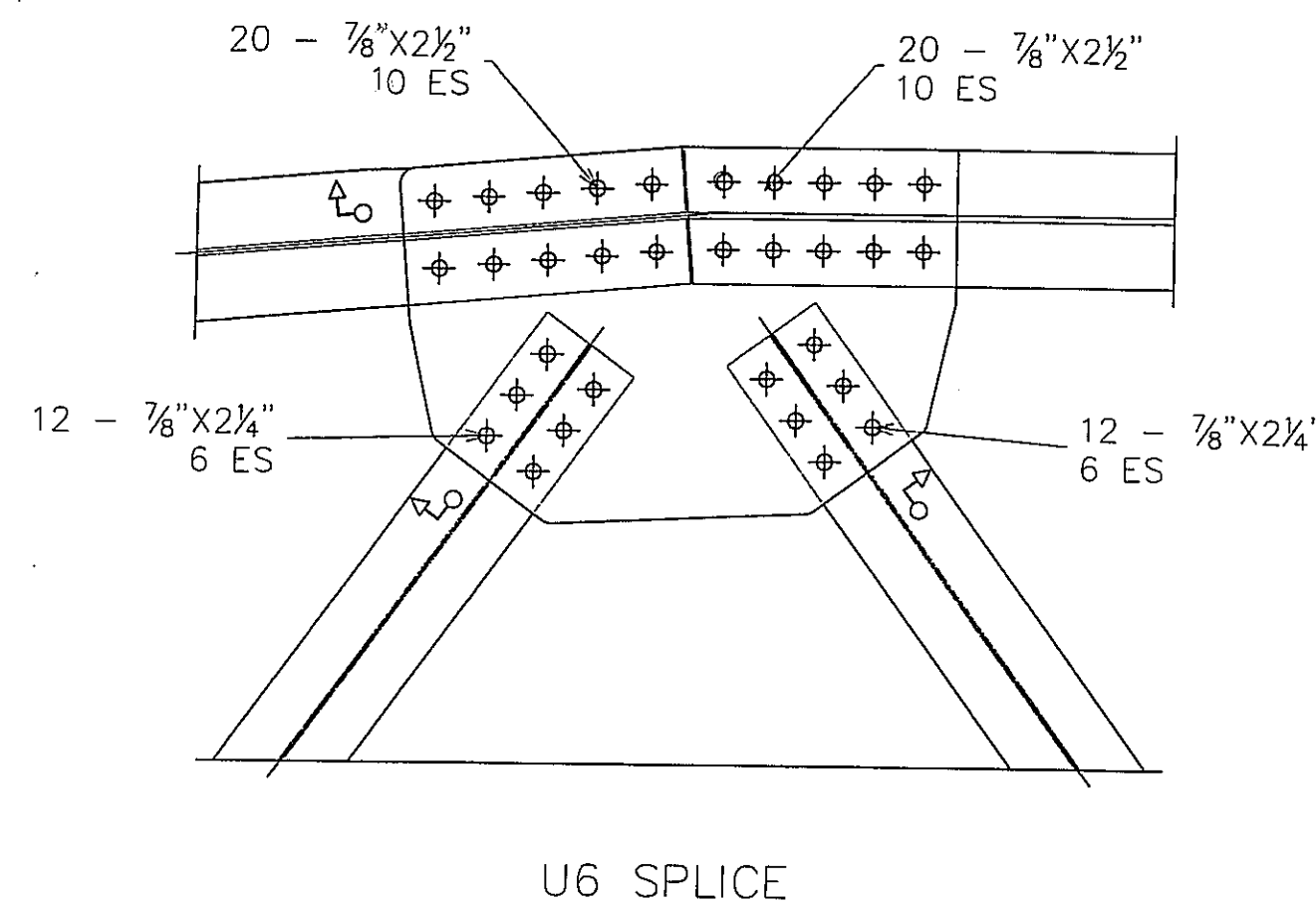


OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

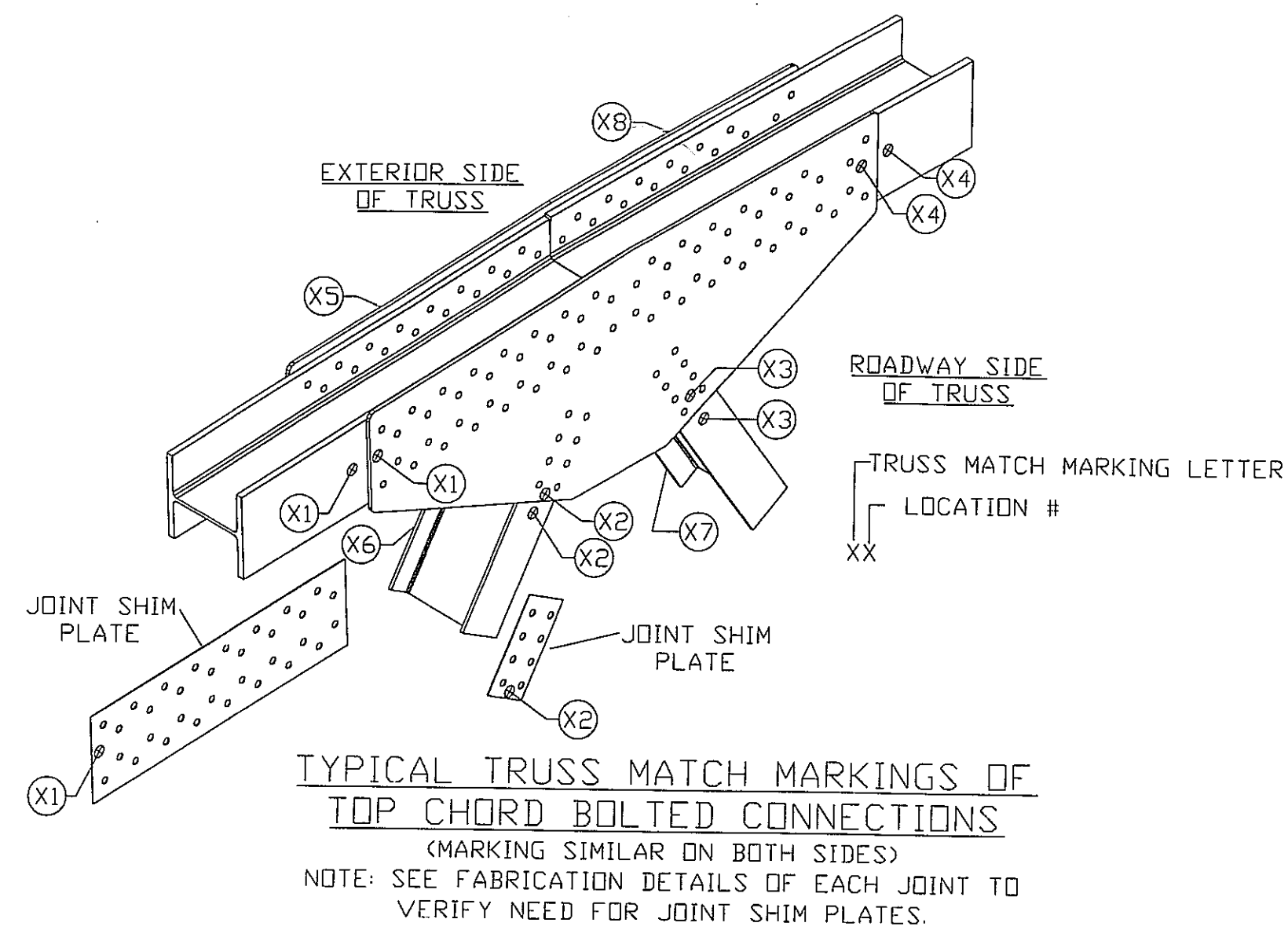
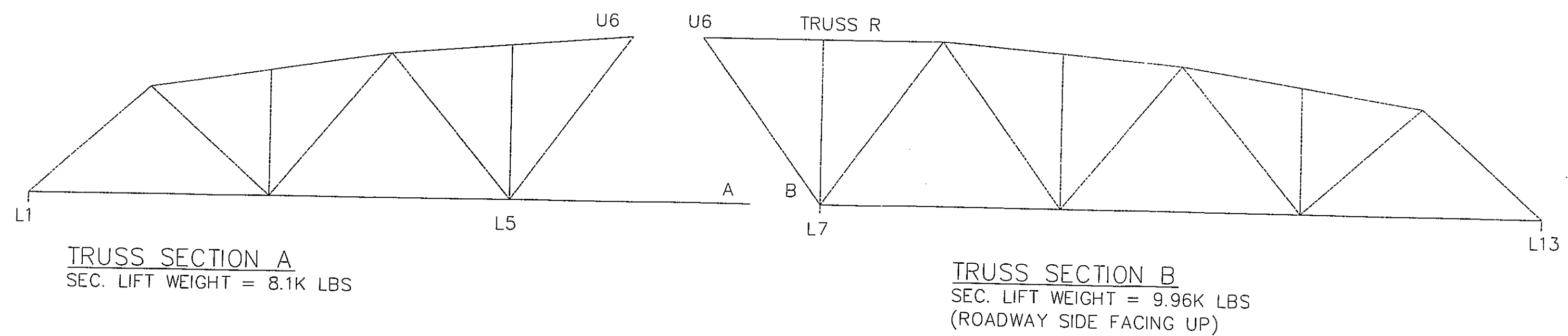
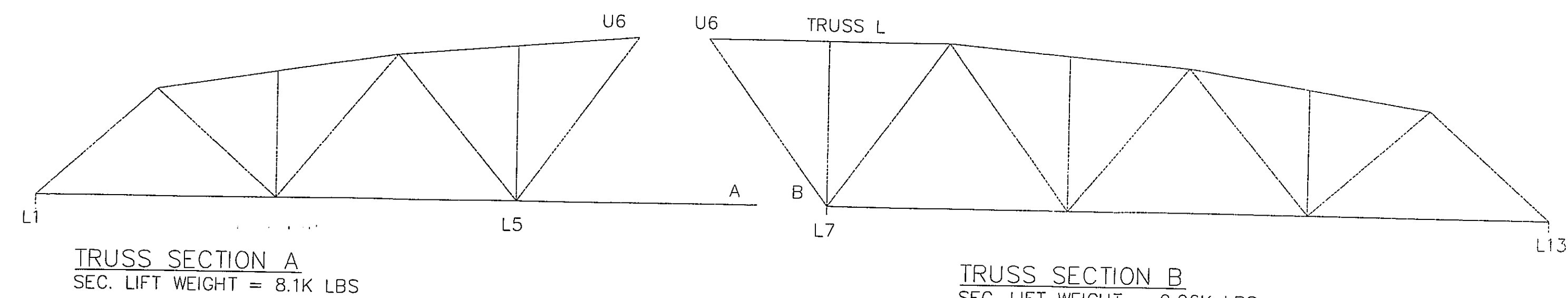
ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
CONSTRUCTION PLANS		FIELD ASSEMBLY		5
USB JOB# 50515			20	TOTAL

DATE PLOTTED August 26, 2011



BOLT CHART FIELD ASSEMBLY	7/8" A325 [TYPE 3 WEATHERING]									
	LOCATION									
	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	
U6 T3			40							
U6 T4			40							
U6 D4,D5		48								
L7 to BC			112							
L7 to D5 D6			48							
L7 to Vert Creekside			36							
L7 to Vert Roadside			8							
TOTAL	0	48	284	0	0	0	0	0	0	



TRUSS MATCH MARKINGS  
NOTE - MATCH MARK LETTERS STAMPED ON BOTTOM CHORD CHANNELS & GUSSET PLATES AT CONNECTIONS WITH 1/2" LETTER STAMPS  
TOTAL LIFTING WEIGHT INCLUDING SPLICE PLATES AND BOLTS = 18.2K LBS

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

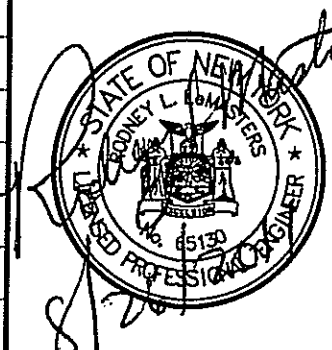
SYMBOLS & ABBREVIATIONS

ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
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F/F: FACE TO FACE	TYP: TYPICAL
DIA/Ø: DIAMETER	UNO: UNLESS NOTED OTHERWISE
R: RADIUS	ABUT: ABUTMENT
	T&B: TOP & BOTTOM

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www.contech-cpi.com

FAB. BY: **U.S. BRIDGE** BRIDGING AMERICA SINCE 1936

SUBMITTAL LOG	DATE	NO.	DATE	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			



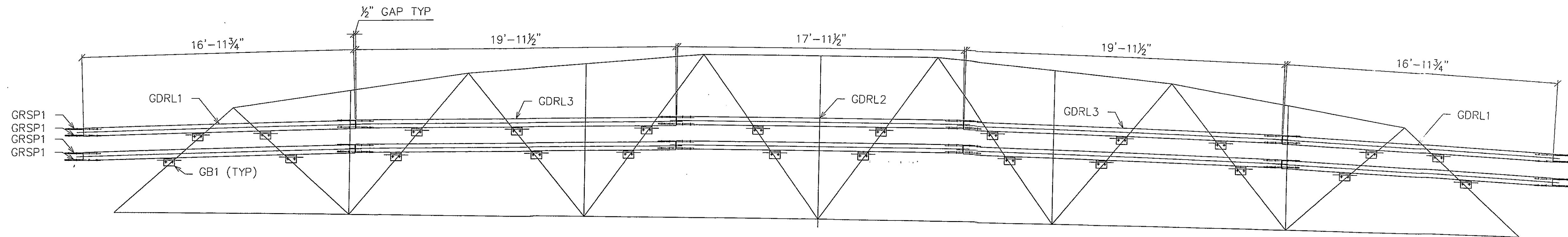
OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

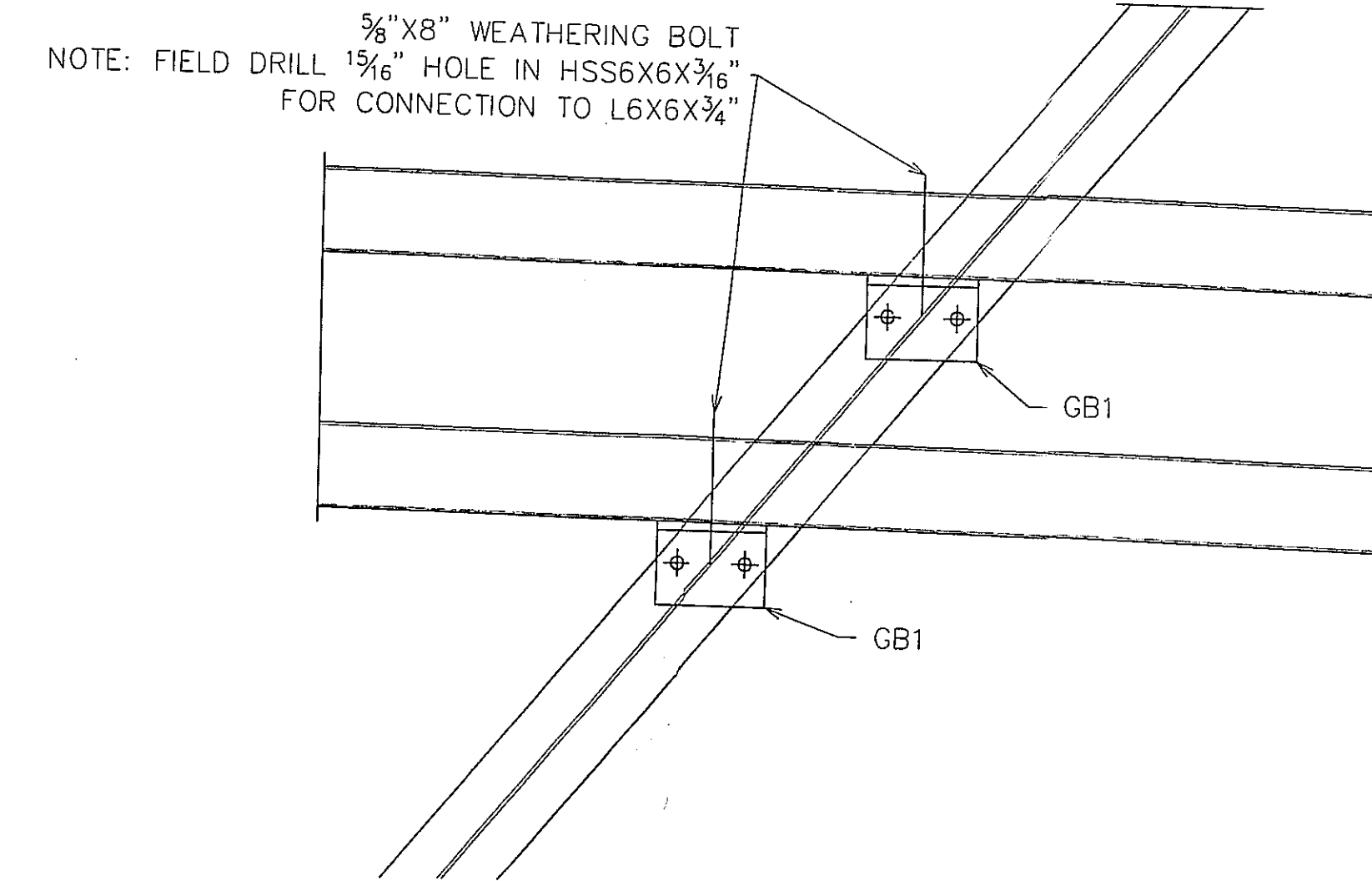
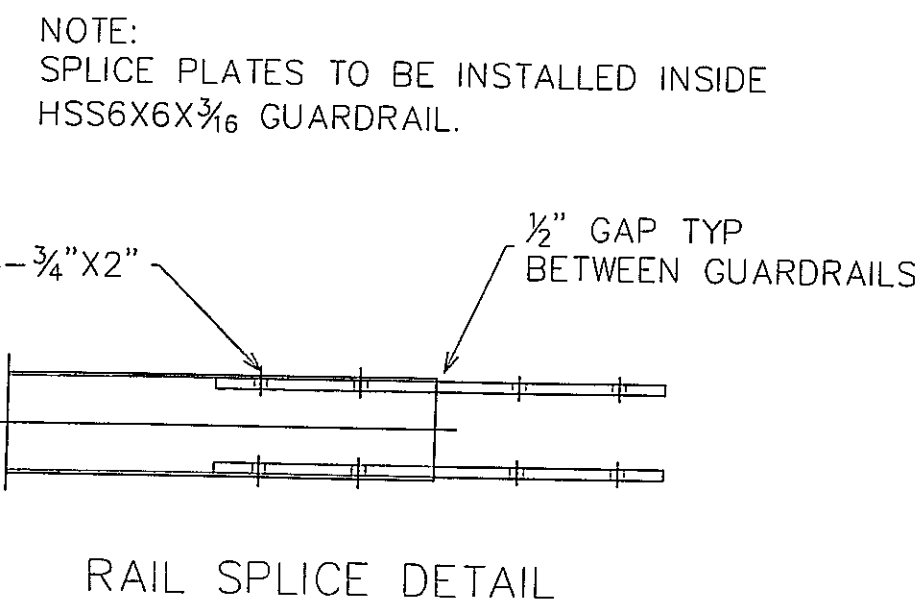
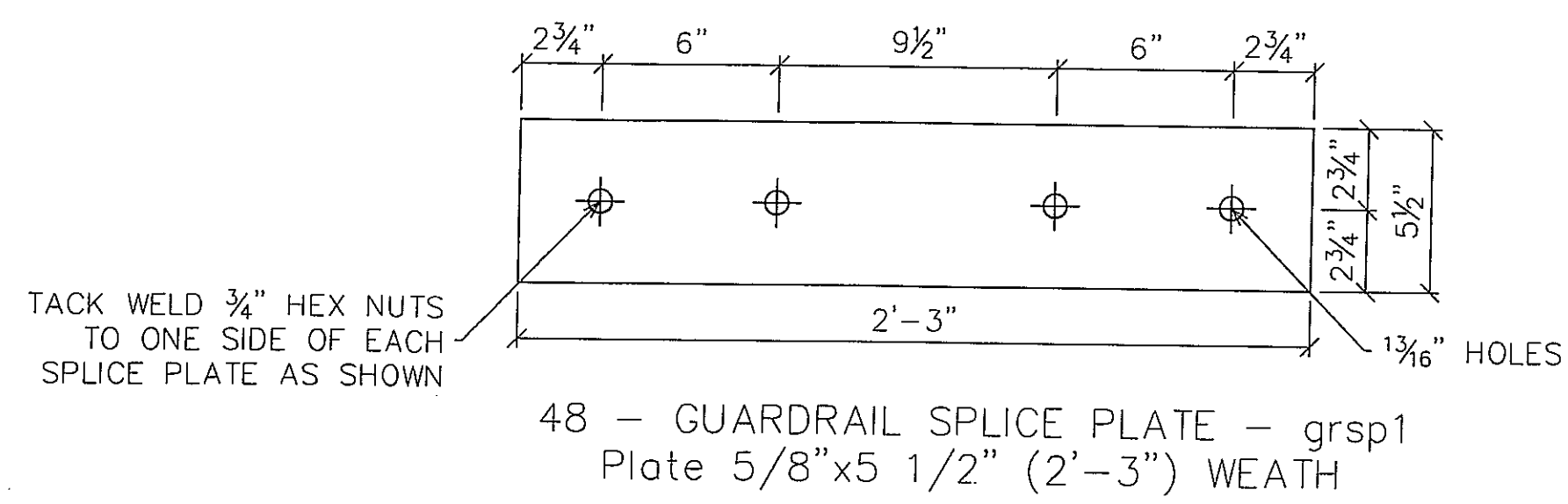
DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
CONSTRUCTION PLANS			FIELD ASSEMBLY	5a
USB JOB# 50515			20	

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DATE PLOTTED August 26, 2011



GUARDRAIL LAYOUT



RAIL MOUNTING DETAIL

BOLT CHART FIELD ASSEMBLY	5/8" A307 [TYPE 3 WEATHERING]									
LOCATION	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	8"	
GUARDRAIL TO GB1										48
TOTAL	0	0	0	0	0	0	0	0	0	48

BOLT CHART FIELD ASSEMBLY	3/4" A325 [TYPE 3 WEATHERING]									
LOCATION	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	
GUARDRAIL SPLICE	192									
TOTAL	192	0	0	0	0	0	0	0	0	0

BOLT CHART FIELD ASSEMBLY	7/8" A325 [TYPE 3 WEATHERING]									
LOCATION	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	
GB1 TO DIAG			96							
TOTAL	0	0	96	0	0	0	0	0	0	0

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

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**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
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FF: FACE TO FACE	TYP: TYPICAL
DIA: DIAMETER	UNO: UNLESS NOTED OTHERWISE
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CONSTRUCTION PRODUCTS INC.  
www.contech-cpi.com

FAB. BY: **U.S. BRIDGE**  
BRIDGING AMERICA SINCE 1934

SUBMITTAL LOG	DATE	NO:	DATE:	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			



OTIS LANE BRIDGE OVER BOQUET RIVER ESSEX COUNTY, NY				ITEM NO.: PROJECT NO.: 09-117.13A REFERENCE NO.: REF NO BRIDGE NO.: 3301650 STRUCTURAL FILE NO.:	
DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET	TOTAL
CONSTRUCTION PLANS / RAILING LAYOUT				USB JOB#	7
				50515	20

DATE PLOTTED August 26, 2011

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**MATERIAL SCHEDULE**

PC	QTY	PN	FAMILY	SECTION	LENGTH	GRADE	SURFACE		WGT
							FINISH	EACH	
8	ob1	1 1/2"	ANCHOR BOLT W/2N	AB 1 1/2	2'-0"	STEEL A449	GALV	11.7	
32	ob2	3/4"	ANCHOR BOLT W/2N	AB 3/4	1'-4"	STEEL A449	GALV	2.0	
1	abd1		AS-BUILT DWGS	Plate 1/8"x1'-10"	1'-5"	User	None	13.3	
8	obw1		ANCHOR BOLT WASHER	Plate 1/4"x6"	4"	STEEL A572-50	GALV	1.6	
32	obw2		ANCHOR BOLT WASHER	Plate 1/4"x3"	4"	STEEL A572-50	GALV	0.8	
2	op1		ABUTMENT PLATE	Plate 3/8"x6"	14'-0"	STEEL A572-50	GALV	107.2	
4	bc1		BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	WEATH	1273.6	
4	bc2		BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	WEATH	1273.6	
48	bcs1		BOTTOM CHORD SPACER	L4X4X3/8	8"	STEEL A588-50	WEATH	6.5	
8	bcwt1		BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	WEATH	33.8	
8	bcwt2		BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	WEATH	33.8	
2	bp2		BEARING PLATE	Plate 1"x1'-4"	2'-0"	STEEL A572-50	GALV	104.8	
2	bp3		BEARING PLATE	Plate 1"x1'-4"	2'-0"	STEEL A572-50	GALV	107.6	
16	bs1		BOLSTER STIFFENER	Plate 3/8"x4 13/16"	11 7/16"	STEEL A572-50	GALV	5.7	
2	d1		DIAGONAL BRACE	W12X26	7'-10 1/16"	STEEL A588-CVN	WEATH	203.7	
2	d2		DIAGONAL BRACE	W12X26	9'-5 13/16"	STEEL A588-CVN	WEATH	246.6	
2	d3		DIAGONAL BRACE	W12X26	9'-8 5/8"	STEEL A588-CVN	WEATH	252.6	
2	d4		DIAGONAL BRACE	W12X26	10'-7 11/16"	STEEL A588-CVN	WEATH	276.7	
2	d5		DIAGONAL BRACE	W12X26	10'-8 7/16"	STEEL A588-CVN	WEATH	278.3	
2	d6		DIAGONAL BRACE	W12X26	10'-8 7/16"	STEEL A588-CVN	WEATH	278.3	
2	d7		DIAGONAL BRACE	W12X26	10'-7 11/16"	STEEL A588-CVN	WEATH	276.7	
2	d8		DIAGONAL BRACE	W12X26	9'-8 5/8"	STEEL A588-CVN	WEATH	252.6	
2	d9		DIAGONAL BRACE	W12X26	9'-5 13/16"	STEEL A588-CVN	WEATH	246.6	
2	d10		DIAGONAL BRACE	W12X26	7'-10 1/16"	STEEL A588-CVN	WEATH	203.7	
4	ep2		ELASTOMERIC PAD	Plate 1 7/8"x1'-2"	1'-0"	User	None	89.3	
5	fb1		FLOOR BEAM	W24X68	14'-11 5/8"	STEEL A572-CVN	GALV	1017.9	
4	fbep1		FLOOR BEAM END PLATE	Plate 3/4"x10"	2'-3 7/8"	STEEL A572-CVN	GALV	57.3	
4	fbep2		FLOOR BEAM END PLATE	Plate 3/4"x10"	2'-3 7/8"	STEEL A572-CVN	GALV	57.3	
2	fbep3		FLOOR BEAM END PLATE	Plate 3/4"x10"	2'-3 7/8"	STEEL A572-CVN	GALV	57.0	
48	gb1		GUARDRAIL BRACKET	L6X6X3/4	8"	STEEL A588-50	WEATH	19.1	
8	gdr1		GUARDRAIL	HSS6X6X.188	16'-11 3/4"	STEEL A847	WEATH	246.2	
4	gdr12		GUARDRAIL	HSS6X6X.188	17'-11 1/2"	STEEL A847	WEATH	260.4	
8	gdr13		GUARDRAIL	HSS6X6X.188	19'-11 1/2"	STEEL A847	WEATH	289.4	
48	grsp1		GUARDRAIL SPLICE PLATE	Plate 5/8"x5 1/2"	2'-3"	STEEL A588-50	WEATH	26.0	
4	l7		LOWER GUSSET	Plate 1/2"x2'-10 15/16"	3'-5 1/16"	STEEL A588-CVN	WEATH	176.9	
8	l1113		LOWER GUSSET	Plate 1/2"x2'-4 3/16"	2'-11 13/16"	STEEL A588-CVN	WEATH	91.1	
8	l3111		LOWER GUSSET	Plate 1/2"x2'-6 1/16"	3'-5"	STEEL A588-CVN	WEATH	157.4	
8	l519		LOWER GUSSET	Plate 1/2"x2'-9 11/16"	3'-5"	STEEL A588-CVN	WEATH	167.5	
8	lr1		LATERAL ROD 1" W/N & WSH	RB1	19'-5"	STEEL F1554-55	GALV	51.9	
4	lr2		LATERAL ROD 1" W/N & WSH	RB1	19'-6"	STEEL F1554-55	GALV	52.1	
24	lrp1		LATERAL ROD PLATE	Plate 3/4"x6"	10"	STEEL A572-50	GALV	12.6	
6	lrub1		U-BOLT W/2N 1 PL WASHER	RB3/8	5"	STEEL A572-50	GALV	0.2	
4	mp 1		MASONRY PLATE	Plate 1"x1'-4"	2'-0"	STEEL A572-50	GALV	107.6	
2	oa1		OVER ANGLE	L5X5X3/8	14'-0"	STEEL A572-50	GALV	172.2	
2	plaq1		PLAQUE	Plate 1/8"x4"	4"	STEEL	GALV	0.6	
2	sa1		SHELF ANGLE	L6X6X3/8	14'-0"	STEEL A572-50	GALV	208.6	
1	sb1		STRINGER BOLSTER	W12X53	14'-0"	STEEL A572-50	GALV	742.0	
1	sb2		STRINGER BOLSTER	W12X53	14'-0"	STEEL A572-50	GALV	742.0	
16	sca1		STRINGER CONNECTION ANGLE	L4X4X3/8	5"	STEEL A572-50	GALV	4.1	
80	sca2		STRINGER CONNECTION ANGLE	L5X3-1/2X3/8	9"	STEEL A572-50	GALV	7.8	
4	shoe1		SHOE	W12X72	7 9/16"	STEEL A588-50	WEATH	45.4	
10	shp1		SHIM PLATE	Plate 1/2"x3 1/2"	10"	STEEL A588	GALV	4.8	
32	sp1		SPACER PLATE	Plate 3/8"x8"	8 3/4"	STEEL A588-50	WEATH	7.2	
22	std1		STD 1/2" DIA x 4"	STD 1/2	4"	STEEL A108	GALV	0.2	
16	str1		STRINGER	W16X40	14'-5 9/16"	STEEL A572-CVN	GALV	578.6	
8	str2		STRINGER	W16X40	15'-4 13/16"	STEEL A572-CVN	GALV	616.0	
8	strp1		STRINGER PLATE	Plate 1 3/8"x10"	7"	STEEL A572-50	GALV	19.1	
8	strp2		STRINGER PLATE	Plate 3/4"x7"	10"	STEEL A572-50	GALV	14.3	
8	strp3		STRINGER PLATE	Plate 1/4"x7"	10"	User	BRONZE	4.8	
4	tba1		TRUSS BEARING ANGLE	L6X6X3/4	1'-2"	STEEL A588-50	WEATH	33.5	
4	tba2		TRUSS BEARING ANGLE	L6X6X3/4	1'-2"	STEEL A588-50	WEATH	33.5	
2	tc1		TOP CHORD	W12X40	10'-3 1/4"	STEEL A588-50	WEATH	410.9	
4	tc2		TOP CHORD	W12X50	14'-11 3/8"	STEEL A588-50	WEATH	747.3	
4	tc3		TOP CHORD	W12X50	14'-8 1/2"	STEEL A588-50	WEATH	735.5	
2	tc4		TOP CHORD	W12X50	14'-8 9/16"	STEEL A588-50	WEATH	735.7	
2	tc5		TOP CHORD	W12X40	10'-3 1/4"	STEEL A588-50	WEATH	410.9	
4	u7		UPPER GUSSET	Plate 1/2"x8 1/2"	1'-4 1/8"	STEEL A588-50	WEATH	18.5	
8	u2u11		UPPER GUSSET	Plate 1/2"x1'-10 11/16"	2'-7 15/16"	STEEL A588-50	WEATH	71.7	
8	u3u12		UPPER GUSSET	Plate 1/2"x8 1/2"	1'-5 3/8"	STEEL A588-50	WEATH	19.3	
8	u4u10		UPPER GUSSET	Plate 1/2"x1'-9 13/16"	2'-11 3/8"	STEEL A588-50	WEATH	95.4	
8	u5u9		UPPER GUSSET	Plate 1/2"x8 1/2"	1'-4 13/16"	STEEL A588-50	WEATH	19.0	
8	u6u8		UPPER GUSSET	Plate 1/2"x1'-10 5/16"	2'-9 3/8"	STEEL A588-50	WEATH	88.9	
4	v1		VERTICAL BRACE	W12X26	6'-6 7/8"	STEEL A588-50	WEATH	170.9	
4	v2		VERTICAL BRACE	W12X26	8'-4 1/8"	STEEL A588-50	WEATH	217.0	
2	v3		VERTICAL BRACE	W12X26	10'-0 13/16"	STEEL A588-50	WEATH	261.8	

**ASSEMBLY LIST (SHIPPING)**

QTY	PN	FAMILY	PROFILE	LENGTH	SURFACE FINISH	WGT	
						EACH (lb)	Total (lb)
32	AB1	3/4" ANCHOR BOLT W/2N	AB 3/4	1'-4"	GALV	1.95	62.50
8	AB2	1 1/2" ANCHOR BOLT W/2N	AB 1 1/2	2'-0"	GALV	11.72	93.76
1	ABD1	AS-BUILT DWGS	Plate 1/8"x1'-10"	1'-5"	None	13.26	13.26
8	ABW1	ANCHOR BOLT WASHER	Plate 1/4"x6"	4"	GALV	1.56	12.46
32	ABW2	ANCHOR BOLT WASHER	Plate 1/4"x3"	4"	GALV	0.81	26.08
2	AP1	ABUTMENT PLATE	Plate 3/8"x6"	14'-0"	GALV	109.57	219.15
2	BP2	BEARING PLATE	Plate 1"x1'-4"	2'-0"	GALV	194.15	388.31
2	BP3	BEARING PLATE	Plate 1"x1'-4"	2'-0"	GALV	196.88	393.76
2	FB1	FLOOR BEAM	W24X68	15'-1 1/8"	GALV	1182.65	2365.30
2	FB2	FLOOR BEAM	W24X68	15'-1 1/8"	GALV	1182.65	2365.30
1	FB3	FLOOR BEAM	W24X68	15'-1 1/8"	GALV	1182.08	1182.08
48	GB1	GUARDRAIL BRACKET	L6X6X3/4	8"	WEATH	19.13	918.40
8	GDR1	GUARDRAIL	HSS6X6X.188	16'-11 3/4"	WEATH	246.20	1969.58
4	GDR12	GUARDRAIL	HSS6X6X.188	17'-11 1/2"	WEATH	260.40	1041.58
8	GDR13	GUARDRAIL	HSS6X6X.188	19'-11 1/2"	WEATH	289.40	2315.17
48	GRSP1	GUARDRAIL SPLICE PLATE	Plate 5/8"x5 1/2"	2'-3"	WEATH	25.96	1246.09
8	LR1	LATERAL ROD 1" W/N & WSH	RB1	19'-5"	GALV	51.89	415.14
4	LR2	LATERAL ROD 1" W/N & WSH	RB1	19'-6"	GALV	52.12	208.49
4	MP 1	MASONRY PLATE	Plate 1"x1'-4"	2'-0"	GALV	107.56	430.24
6	LRUB1	U-BOLT W/2N 1 PL WASHER	RB3/8	5"	GALV	0.16	0.94
2	SA1	SHELF ANGLE	L6X6X3/8	14'-0"	GALV	380.80	761.60
1	SB1	STRINGER BOLSTER	W12X53	14'-0"	GALV	812.56	812.56
1	SB2	STRINGER BOLSTER	W12X53	14'-0"	GALV	812.56	812.56
16	SCA1	STRINGER CONNECTION ANGLE	L4X4X3/8	5"	GALV	4.08	65.33
80	SCA2	STRINGER CONNECTION ANGLE	L5X3-1/2X3/8	9"	GALV	7.80	624.00
16	STR1	STRINGER	W16X40	14'-5 9/16"	GALV	578.62	9257.87
8	STR2	STRINGER	W16X40	15'-4 13/16"	GALV	615.98	4927.80
8	STRP1	STRINGER PLATE	Plate 1 3/8"x10"	7"	GALV	19.09	152.69
8	STRP2	STRINGER PLATE	Plate 3/4"x7"	10"	GALV	14.31	114.52
8	STRP3	STRINGER PLATE	Plate 1/4"x7"	10"	BRONZE	4.77	38.17
4	TBA1	TRUSS BEARING ANGLE	L6X6X3/4	1'-2"	WEATH	33.48	133.93
4	TBA2	TRUSS BEARING ANGLE	L6X6X3/4	1'-2"	WEATH	33.48	133.93
2	TSa	BOTTOM CHORD	C12X30	46'-2 9/16"	WEATH	7642.57	15285.15
2	TSB	BOTTOM CHORD	C12X30	53'-3 3/8"	WEATH	9416.89	18833.78

**BOLT CHART (SHOP)**

DIAMETER	LENGTH	DESCRIPTION	REMARKS	BOLTS			NUTS	WASHERS
				QTY	CLASS	UNIT WGT		
5/8"	8"			48	A307	0.88	48	48
3/4"	2"			192	A325-3	0.56	192	192
7/8"	2 1/4"			32	A325-1	0.88	32	32
7/8"	2 1/2"			216	A325-1	0.92	216	216
7/8"	3 1/4"			136	A325-1	1.05	136	136
7/8"	3 3/4"			8	A325-1	1.13	8	8
7/8"	2 1/4"			544	A325-3	0.88	544	544
7/8"	2 1/2"			1500	A325-3	0.92	1500	1500
7/8"	3"			56	A325-3	1.01	56	56
7/8"	3 1/2"			16	A325-3	1.09	16	16
7/8"	4 1/2"			32	A36	1.26	32	32

**FINAL**  
APPROVED FOR FABRICATION

8/26/11

**SYMBOLS & ABBREVIATIONS**  
 NS: NEAR SIDE  
 EQ: EQUAL  
 @: CENTERLINE  
 REF: REFERENCE  
 CHK: CHECK  
 O\O: OUT TO OUT  
 C\C: CENTER TO CENTER  
 F\F: FACE TO FACE  
 DIA: DIAMETER  
 R: RADIUS  
 FS: FAR SIDE  
 WP: WORK POINT  
 CA: GAUGE  
 ID: INSIDE DIAMETER  
 OD: OUTSIDE DIAMETER  
 BRG: BEARING  
 TYP: TYPICAL  
 UNO: UNLESS NOTED OTHERWISE  
 ABUT: ABUTMENT  
 T&B: TOP & BOTTOM

DIST. BY:



FAB. BY:



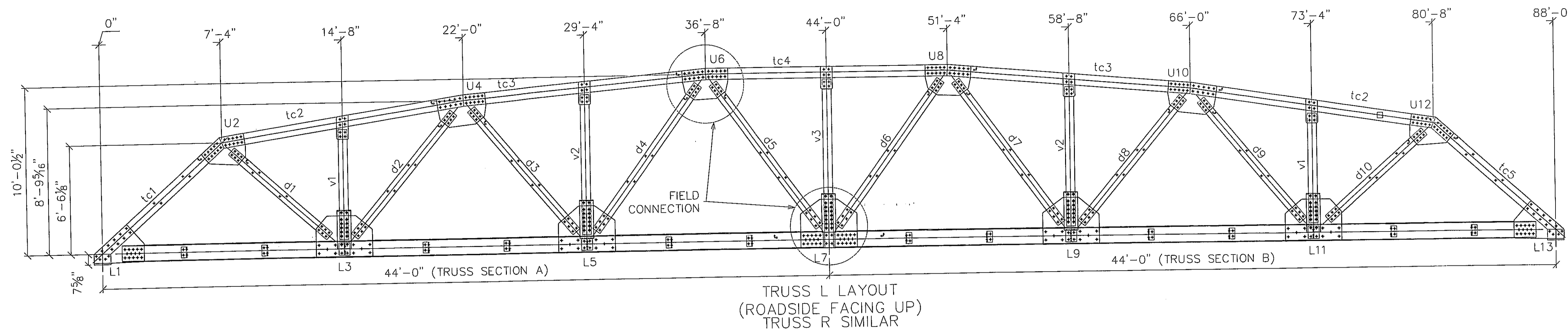
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RESUBMITTAL NO. 2		8/26/11	2			
CUSTOMER APPROVAL						
SHOP REVIEW						
PRE FAB MTG						
APPROVED FOR FAB						

OTIS LANE BRIDGE  
OVER BOUQUET RIVER  
ESSEX COUNTY, NY

DESIGN: SAF DRAW: CRM/AEC REVIEW: RLL CHECK: CLG

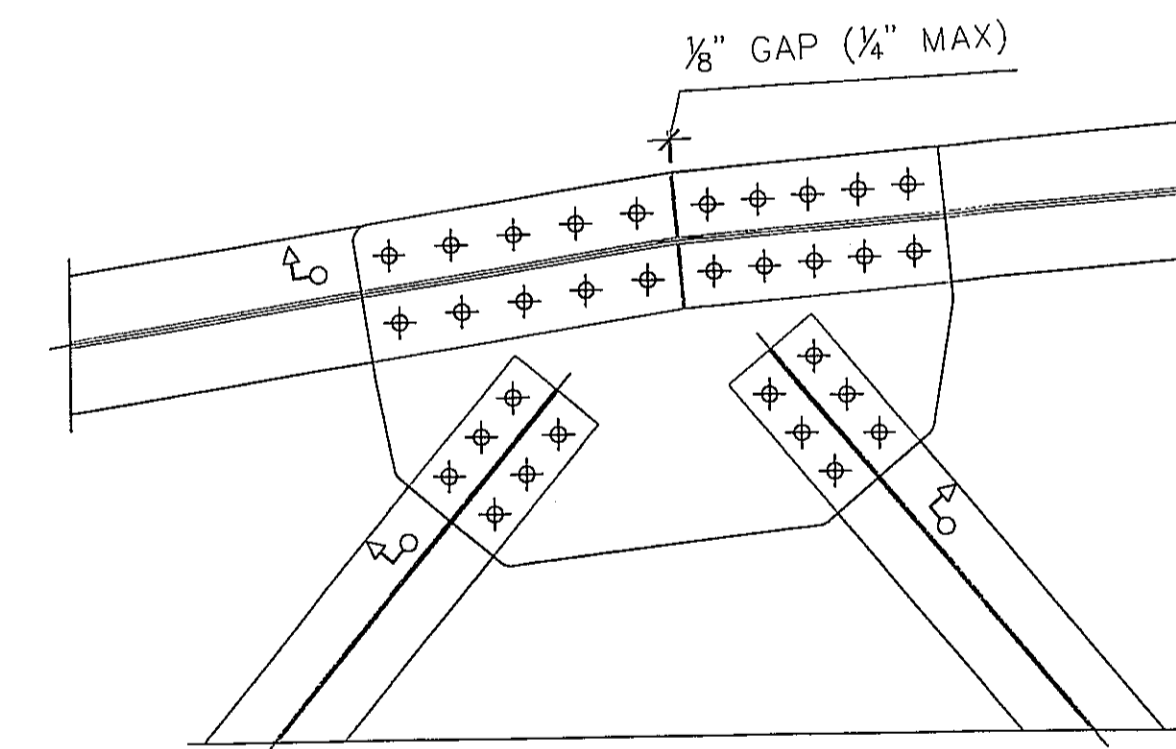
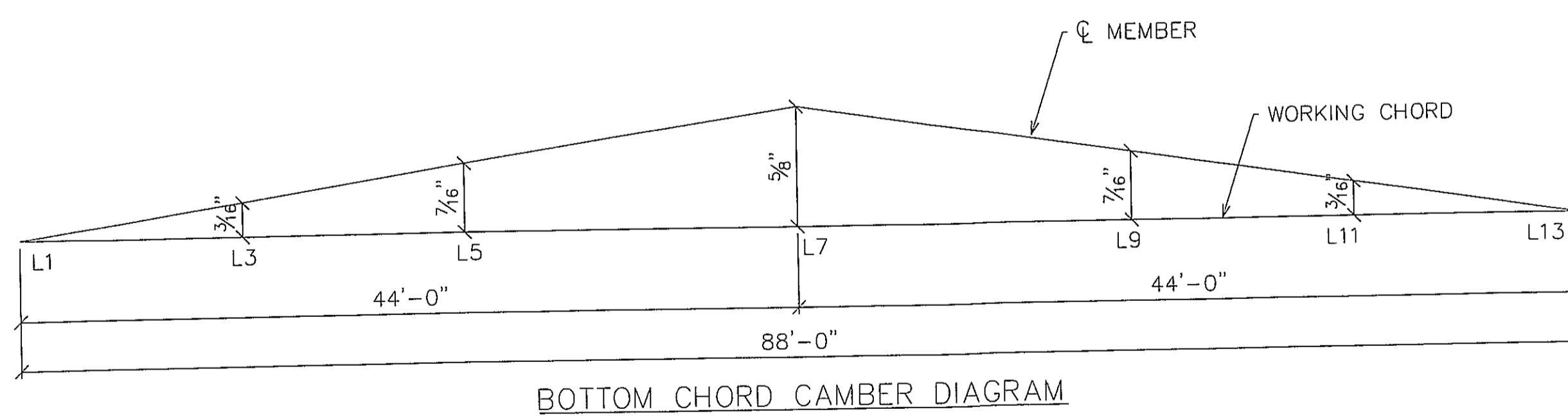
**BILL OF MATERIALS**

ITEM NO.:	PROJECT NO.:	REFERENCE NO.:	BRIDGE NO.:	STRUCTURAL FILE NO.:
	09-117.13A	REF NO	3301650	
USB JOB#	8	20	TOTAL	
50515				



**TRUSS ASSEMBLY NOTES:**

1. THE SQUARE CORNER OF THE LOWER GUSSET PLATES ARE TO FACE TOWARDS THE  $\phi$  OF THE TRUSS
2. SHEETS 9a-9b CONTAIN THE DRAWINGS FOR THE COMPLETED TRUSSES L&R.
3. THE TRUSS LAYOUT IS SHOWN IN THE "UNLOADED" POSITION.
4. FOR FIELD BOLT QUANTITIES AND LENGTHS, SEE SHEET 5 & 5a.
5. THE BOLT CHARTS ARE SHOWN ON SHEETS 9a-9b.
6. ASSEMBLY DRAWINGS PROVIDE THE MAXIMUM NUMBER OF SHIMS PERMITTED.
7. TRUSS MEMBERS ARE DESIGNED FOR A  $\frac{1}{8}$ " GAP BETWEEN MEMBERS ( $\frac{1}{4}$ " MAX) AT COMPLETE FIT UP.



**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

S:\JOBS\NEW YORK\50515-Contech-Essex Co.-Otis Lane-Elizabethtown NY-88 x 14 Weathering Truss-Galv-Undercarriage\Drawings\50515.dwg

**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
$\phi$ : CENTERLINE	WP: WORK POINT
REF: REFERENCE	GA: GAUGE
CHK: CHECK	ID: INSIDE DIAMETER
CO: OUT TO OUT	OD: OUTSIDE DIAMETER
CC: CENTER TO CENTER	BR: BEARING
FF: FACE TO FACE	TYP: TYPICAL
DIA: DIAMETER	UNO: UNLESS NOTED OTHERWISE
R: RADIUS	ABUT: ABUTMENT
	T&B: TOP & BOTTOM

DIST. BY: **CONTECH**  
CONSTRUCTION PRODUCTS INC.  
www.contech-cpi.com

FAB. BY: **U.S. BRIDGE**  
BRIDGING AMERICA SINCE 1936

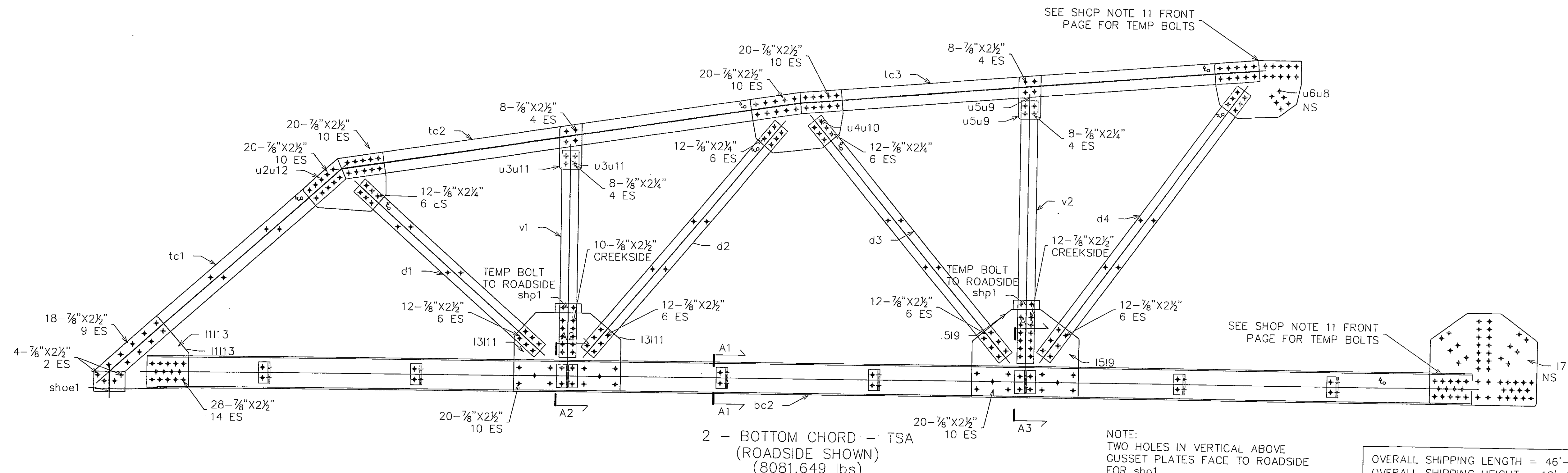
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RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			

OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET 9	TOTAL 20
SHOP DETAILS			TRUSS ASSEMBLY		
USB JOB# 50515					

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

DATE PLOTTED August 26, 2011



2 - BOTTOM CHORD - TSA  
(ROADSIDE SHOWN)  
(8081.649 lbs)

NOTE:  
TWO HOLES IN VERTICAL ABOVE  
GUSSET PLATES FACE TO ROADSIDE  
FOR shp1.

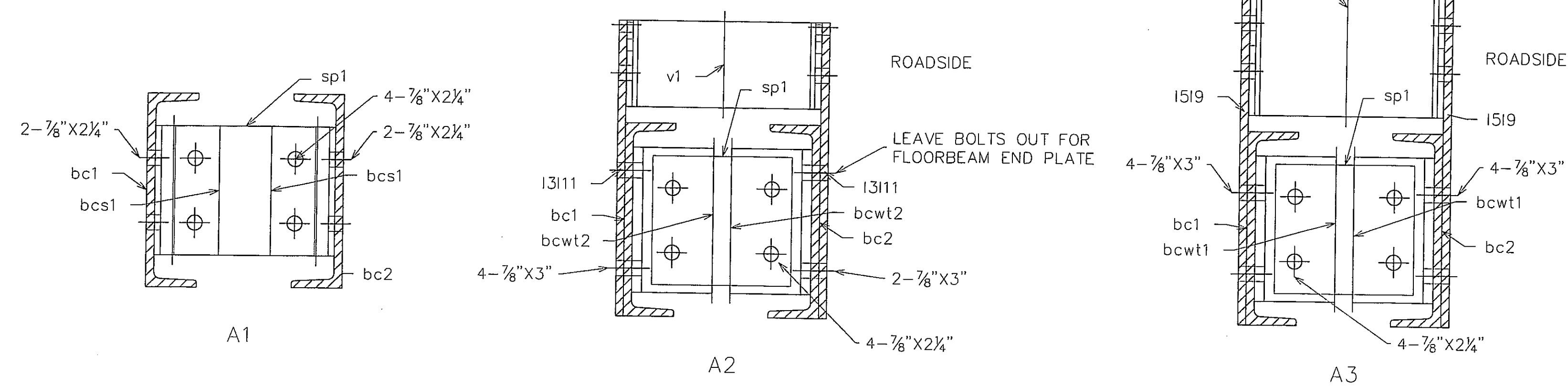
OVERALL SHIPPING LENGTH = 46'-2 1/2"  
OVERALL SHIPPING HEIGHT = 10'-11 3/4"

BOLT CHART (SHOP)								
DIAMETER	LENGTH	DESCRIPTION	REMARKS	BOLTS			NUTS	WASHERS
				QTY	CLASS	UNIT WGT		
7/8"	2 1/4"			216	A325-3	0.88	216	216
7/8"	2 1/2"			512	A325-3	0.92	512	512
7/8"	3"			28	A325-3	1.01	28	28

(BOLT QTYS LISTED ARE FOR 2 EA. TRUSS SEGMENT "A")

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

MATERIAL SCHEDULE								
PC	QTY	PN	FAMILY	PROFILE	LENGTH	GRADE	WGT	
							EACH (lb)	TOTAL (lb)
PART NO.=TSA QTY=2 FINISH=WEATH TOTAL WGT=15285.15(lb)								
1	bc1		BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	1273.6	1273.6
1	bc2		BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	1273.6	1273.6
12	bcs1		BOTTOM CHORD SPACER	L4X4X3/8	8"	STEEL A588-50	6.5	78.4
2	bcwt1		BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	33.7	67.5
2	bcwt2		BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	33.8	67.5
1	d1		DIAGONAL BRACE	W12X26	7'-10 1/16"	STEEL A588-CVN	203.7	203.7
1	d2		DIAGONAL BRACE	W12X26	9'-5 13/16"	STEEL A588-CVN	246.6	246.6
1	d3		DIAGONAL BRACE	W12X26	9'-8 5/8"	STEEL A588-CVN	252.6	252.6
1	d4		DIAGONAL BRACE	W12X26	10'-7 11/16"	STEEL A588-CVN	276.7	276.7
1	l7		LOWER GUSSET	Plate 1/2"x2'-10 15/16"	3'-5 1/16"	STEEL A588-CVN	176.9	176.9
2	l1113		LOWER GUSSET	Plate 1/2"x2'-4 3/16"	2'-11 13/16"	STEEL A588-CVN	91.1	182.1
2	l3111		LOWER GUSSET	Plate 1/2"x2'-6 3/32"	3'-5"	STEEL A588-CVN	157.4	314.8
2	l519		LOWER GUSSET	Plate 1/2"x2'-9 23/32"	3'-5"	STEEL A588-CVN	167.5	335.1
1	shoe1		SHOE	W12X72	7 9/16"	STEEL A588-50	45.4	45.4
2	shp1		SHIM PLATE	Plate 1/2"x3 1/2"	10"	STEEL A588-CVN	4.8	9.5
8	sp1		SPACER PLATE	Plate 3/8"x8"	8 3/4"	STEEL A588-50	7.2	57.3
1	tc1		TOP CHORD	W12X40	10'-3 1/4"	STEEL A588-50	410.9	410.9
1	tc2		TOP CHORD	W12X50	14'-11 3/8"	STEEL A588-50	747.3	747.3
1	tc3		TOP CHORD	W12X50	14'-8 1/2"	STEEL A588-50	735.5	735.5
2	u2u12		UPPER GUSSET	Plate 1/2"x1'-10 11/16"	2'-7 15/16"	STEEL A588-50	71.7	143.4
2	u3u11		UPPER GUSSET	Plate 1/2"x8 1/2"	1'-5 3/8"	STEEL A588-50	19.3	38.6
2	u4u10		UPPER GUSSET	Plate 1/2"x1'-9 27/32"	2'-11 3/8"	STEEL A588-50	95.4	190.8
2	u5u9		UPPER GUSSET	Plate 1/2"x8 1/2"	1'-4 13/16"	STEEL A588-50	19.0	37.9
1	u6u8		UPPER GUSSET	Plate 1/2"x1'-10 11/32"	2'-9 3/8"	STEEL A588-50	88.9	88.9
1	v1		VERTICAL BRACE	W12X26	6'-6 7/8"	STEEL A588-50	170.9	170.9
1	v2		VERTICAL BRACE	W12X26	8'-4 1/8"	STEEL A588-50	217.0	217.0
Total element mass (lb)							7642.57	15285.15

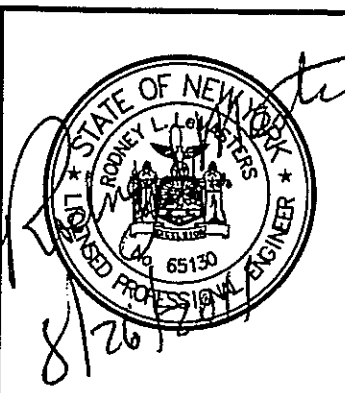


SYMBOLS & ABBREVIATIONS  
 NS: NEAR SIDE  
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 O/O: OUT TO OUT  
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 F/F: FACE TO FACE  
 DIA: DIAMETER  
 R: RADIUS  
 UNO: UNLESS NOTED OTHERWISE  
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 T&B: TOP & BOTTOM

DIST. BY: **CONTECH**  
 CONSTRUCTION PRODUCTS INC.  
 www.contech-cpi.com

FAB. BY: **U.S. BRIDGE**  
 BRIDGING AMERICA SINCE 1936

SUBMITTAL LOG		DATE	NO.	DATE	REVISIONS:	BY:
INITIAL SUBMITTAL		7/29/11	▲			
RESUBMITTAL NO. 2		8/26/11	▲			
CUSTOMER APPROVAL		-	▲			
SHOP REVIEW		-	▲			
PRE FAB MTG		-	▲			
APPROVED FOR FAB		-	▲			



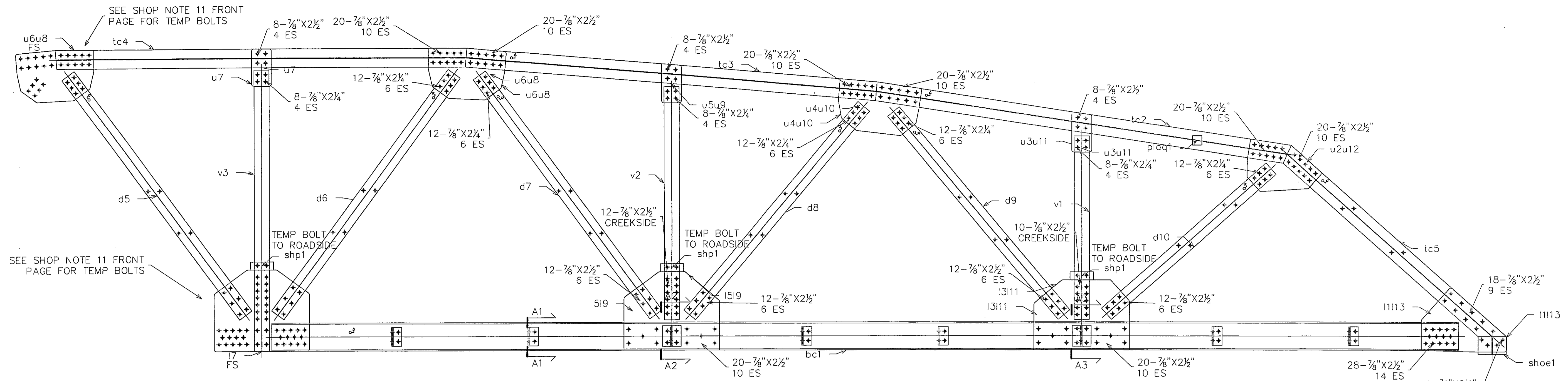
OTIS LANE BRIDGE  
 OVER BOQUET RIVER  
 ESSEX COUNTY, NY

ITEM NO.:  
 PROJECT NO.: 09-117.13A  
 REFERENCE NO.: REF NO  
 BRIDGE NO.: 3301650  
 STRUCTURAL FILE NO.:

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
SHOP DETAILS			TRUSS ASSEMBLY	9a
USB JOB# 50515			20	TOTAL

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DATE PLOTTED August 26, 2011



NOTE:  
TWO HOLES IN VERTICAL ABOVE  
GUSSET PLATES FACE TO ROADSIDE  
FOR shp1.

2 - BOTTOM CHORD - TSB  
(ROADSIDE SHOWN)  
(9963.683 lbs)

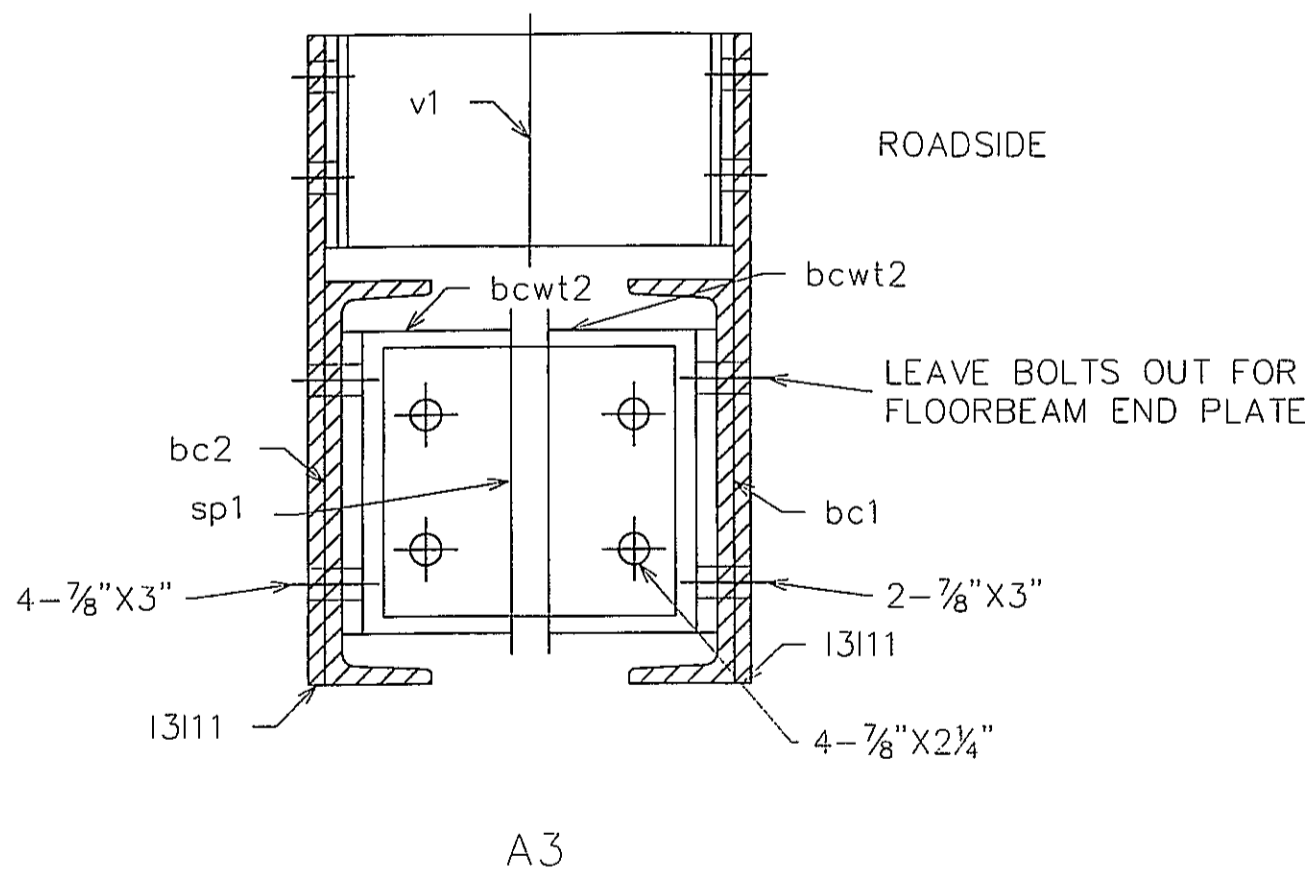
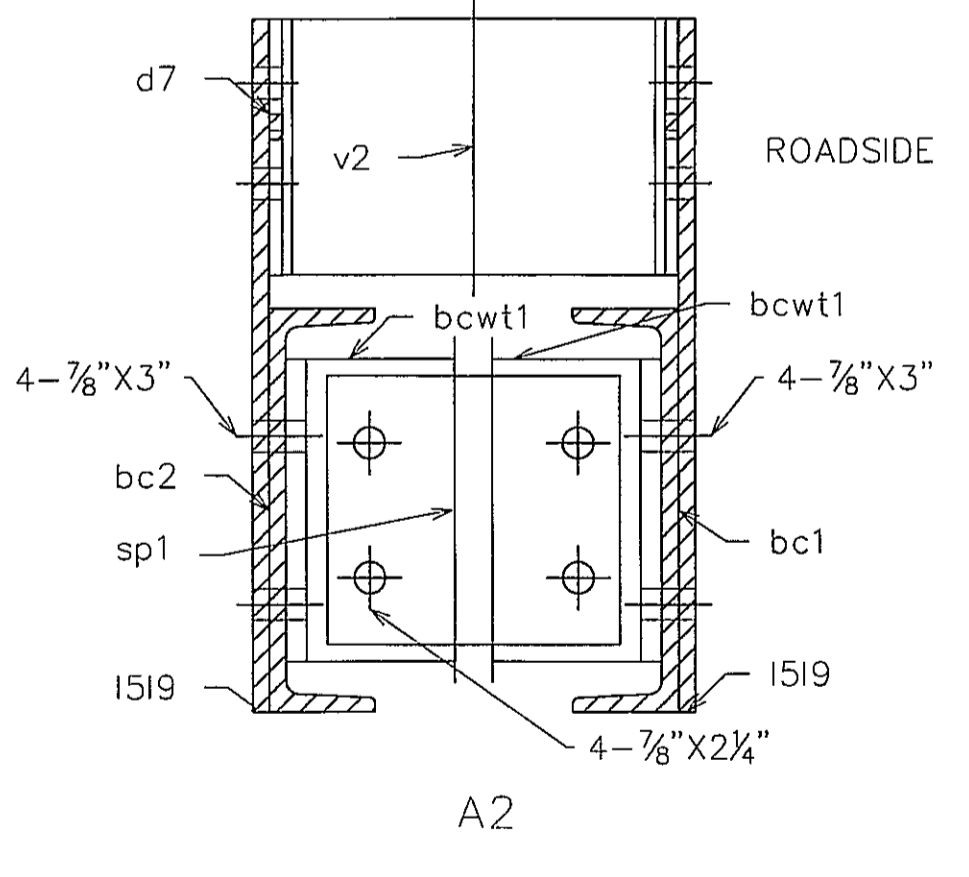
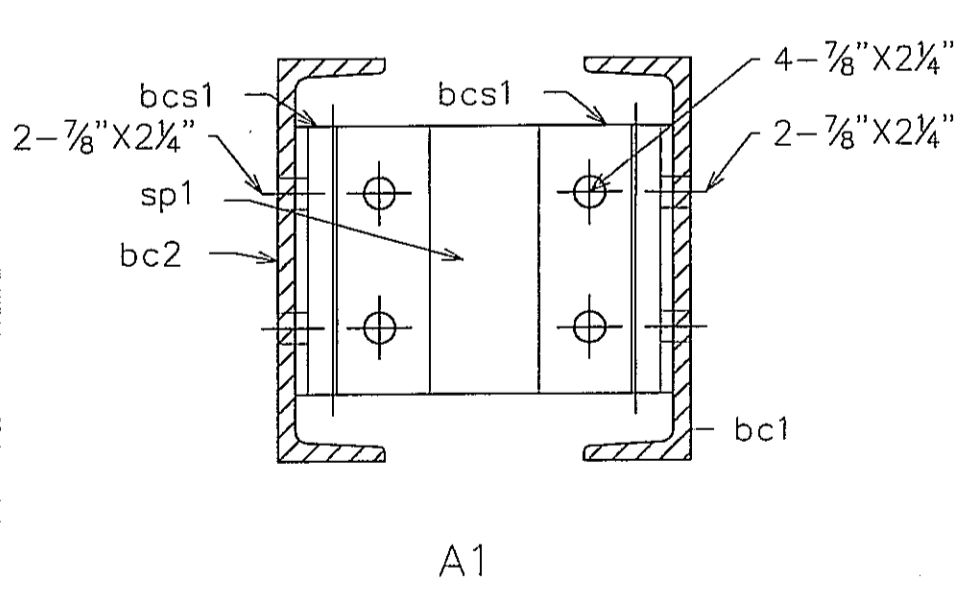
**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

OVERALL SHIPPING LENGTH = 46'-2 1/2"  
OVERALL SHIPPING HEIGHT = 10'-11 3/4"

BOLT CHART (SHOP)								
DIAMETER	LENGTH	DESCRIPTION	REMARKS	BOLTS		NUTS	WASHERS	
				QTY	CLASS	UNIT WGT	QTY	QTY
7/8"	2 1/4"			280	A325-3	0.88	280	280
7/8"	2 1/2"			608	A325-3	0.92	608	608
7/8"	3"			28	A325-3	1.01	28	28

(BOLT QTYS LISTED ARE FOR 2 EA. TRUSS SEGMENT "B")

MATERIAL SCHEDULE									
PC	QTY	PN	FAMILY	PROFILE	LENGTH	GRADE	WGT		
							EACH (lb)	TOTAL (lb)	
PART NO.=TSB QTY=2 FINISH=WEATH TOTAL WGT=18833.78(lb)									
1		bc1	BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	1273.6	1273.6	
1		bc2	BOTTOM CHORD	C12X30	42'-5 7/16"	STEEL A588-CVN	1273.6	1273.6	
12		bcs1	BOTTOM CHORD SPACER	L4X4X3/8	8"	STEEL A588-50	6.5	78.4	
2		bcwt1	BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	33.8	67.5	
2		bcwt2	BOTTOM CHORD SPACER WT	W10X45	9"	STEEL A588-50	33.8	67.5	
1		d5	DIAGONAL BRACE	W12X26	10'-8 7/16"	STEEL A588-CVN	278.3	278.3	
1		d6	DIAGONAL BRACE	W12X26	10'-8 7/16"	STEEL A588-CVN	278.3	278.3	
1		d7	DIAGONAL BRACE	W12X26	10'-7 11/16"	STEEL A588-CVN	276.7	276.7	
1		d8	DIAGONAL BRACE	W12X26	9'-8 5/8"	STEEL A588-CVN	252.6	252.6	
1		d9	DIAGONAL BRACE	W12X26	9'-5 13/16"	STEEL A588-CVN	246.6	246.6	
1		d10	DIAGONAL BRACE	W12X26	7'-10 1/16"	STEEL A588-CVN	203.7	203.7	
1		l7	LOWER GUSSET	Plate 1/2"x2'-10 15/16"	3'-5 1/16"	STEEL A588-CVN	176.9	176.9	
2		l1113	LOWER GUSSET	Plate 1/2"x2'-4 3/16"	2'-11 13/16"	STEEL A588-CVN	91.1	182.1	
2		l3111	LOWER GUSSET	Plate 1/2"x2'-6 3/32"	3'-5"	STEEL A588-CVN	157.4	314.8	
2		l519	LOWER GUSSET	Plate 1/2"x2'-9 23/32"	3'-5"	STEEL A588-CVN	167.5	335.1	
1		plaq1	PLAQUE	Plate 1/8"x4"	4"	STEEL	0.6	0.6	
1		shoe1	SHOE	W12X72	7 9/16"	STEEL A588-50	45.4	45.4	
3		shp1	SHIM PLATE	Plate 1/2"x3 1/2"	10"	STEEL A588-CVN	4.8	14.3	
8		sp1	SPACER PLATE	Plate 3/8"x8"	8 3/4"	STEEL A588-50	7.2	57.3	
1		tc2	TOP CHORD	W12X50	14'-11 3/8"	STEEL A588-50	747.3	747.3	
1		tc3	TOP CHORD	W12X50	14'-8 1/2"	STEEL A588-50	735.5	735.5	
1		tc4	TOP CHORD	W12X50	14'-8 9/16"	STEEL A588-50	735.7	735.7	
1		tc5	TOP CHORD	W12X40	10'-3 1/4"	STEEL A588-50	410.9	410.9	
2		u7	UPPER GUSSET	Plate 1/2"x8 1/2"	1'-4 1/8"	STEEL A588-50	18.5	37.1	
2		u2u12	UPPER GUSSET	Plate 1/2"x1'-10 11/16"	2'-7 15/16"	STEEL A588-50	71.7	143.4	
2		u3u11	UPPER GUSSET	Plate 1/2"x8 1/2"	1'-5 3/8"	STEEL A588-50	19.3	38.6	
2		u4u10	UPPER GUSSET	Plate 1/2"x1'-9 27/32"	2'-11 3/8"	STEEL A588-50	95.4	190.8	
2		u5u9	UPPER GUSSET	Plate 1/2"x8 1/2"	1'-4 13/16"	STEEL A588-50	19.0	37.9	
3		u6u8	UPPER GUSSET	Plate 1/2"x1'-10 11/32"	2'-9 3/8"	STEEL A588-50	88.9	266.6	
1		v1	VERTICAL BRACE	W12X26	6'-6 7/8"	STEEL A588-50	170.9	170.9	
1		v2	VERTICAL BRACE	W12X26	8'-4 1/8"	STEEL A588-50	217.0	217.0	
1		v3	VERTICAL BRACE	W12X26	10'-0 13/16"	STEEL A588-50	261.8	261.8	
Total element mass (lb)							9416.89	18833.78	



**SYMBOLS & ABBREVIATIONS**  
 NS: NEAR SIDE  
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 ID: INSIDE DIAMETER  
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DIST. BY: **CONTECH** CONSTRUCTION PRODUCTS INC.  
 FAB. BY: **U.S. BRIDGE** BRIDGING AMERICA SINCE 1936

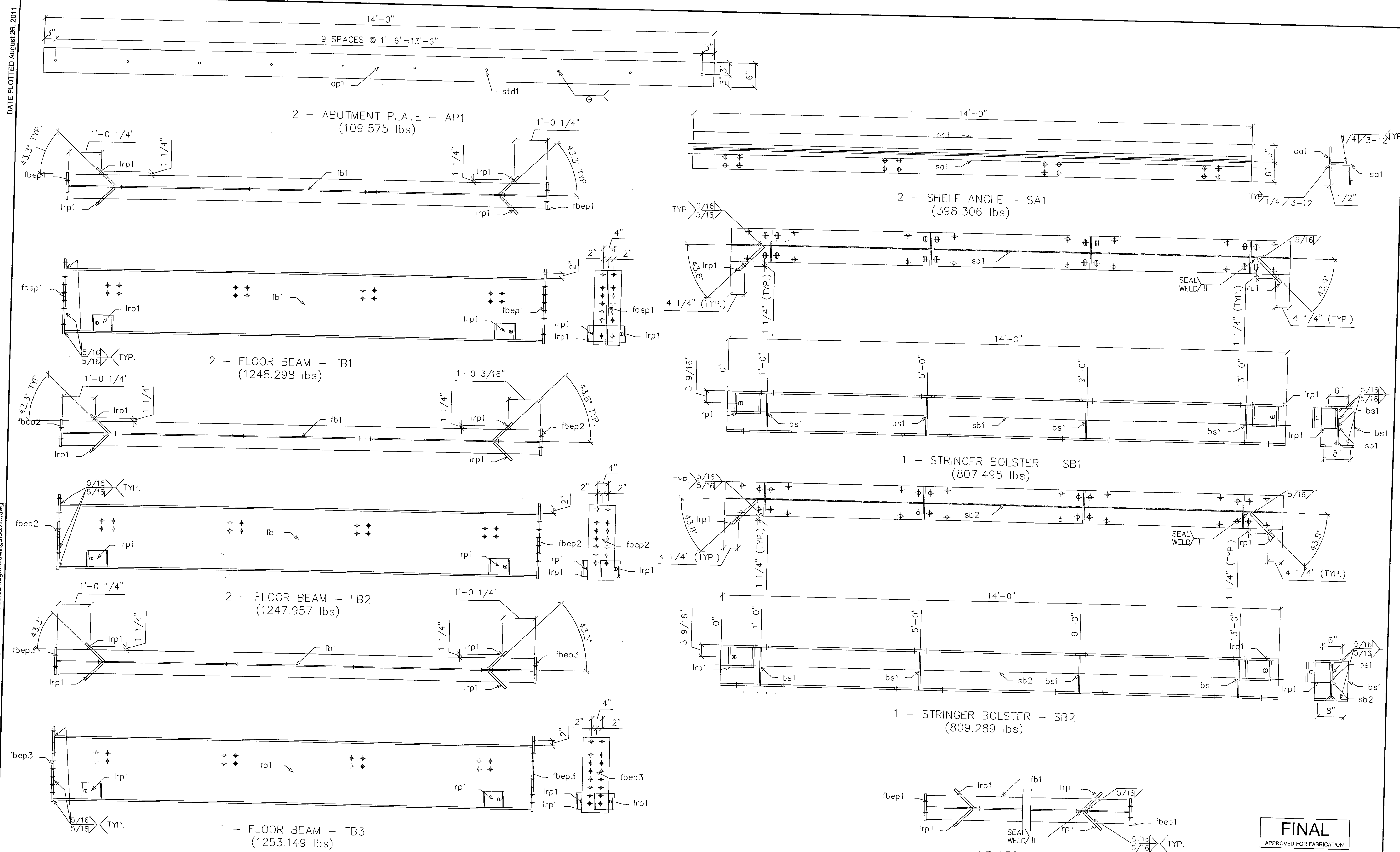
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RESUBMITTAL NO. 2	8/26/11				
CUSTOMER APPROVAL	-				
SHOP REVIEW	-				
PRE FAB MTG	-				
APPROVED FOR FAB	-				

OTIS LANE BRIDGE OVER BOQUET RIVER ESSEX COUNTY, NY  
 ITEM NO.: PROJECT NO.: 09-117.13A  
 REFERENCE NO.: REF NO  
 BRIDGE NO.: 3301650  
 STRUCTURAL FILE NO.:  
 DESIGN: SAF DRAW: CRM/AEC REVIEW: RLL CHECK: CLG  
 SHOP DETAILS TRUSS ASSEMBLY USB JOB# 50515  
 SHEET 9b TOTAL 20

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DATE PLOTTED August 26, 2011

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**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
CP: CENTERLINE	WP: WORK POINT
REF: REFERENCE	GA: GAUGE
CHK: CHECK	ID: INSIDE DIAMETER
O/O: OUT TO OUT	OD: OUTSIDE DIAMETER
C/C: CENTER TO CENTER	BRG: BEARING
F/F: FACE TO FACE	TYP: TYPICAL
DIA: DIAMETER	UNQ: UNLESS NOTED OTHERWISE
R: RADIUS	ABUT: ABUTMENT
	T&B: TOP & BOTTOM

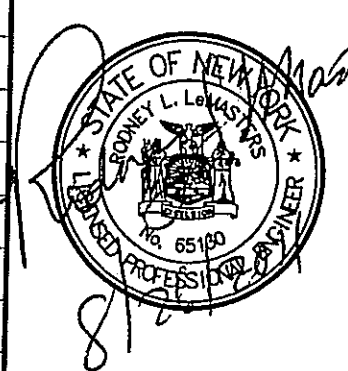
DIST. BY:

**CONTECH**  
CONSTRUCTION PRODUCTS INC.  
www.contech-cpi.com

FAB. BY:

**U.S. BRIDGE**  
BRIDGING AMERICA SINCE 1936

SUBMITTAL LOG	DATE	NO:	DATE:	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			



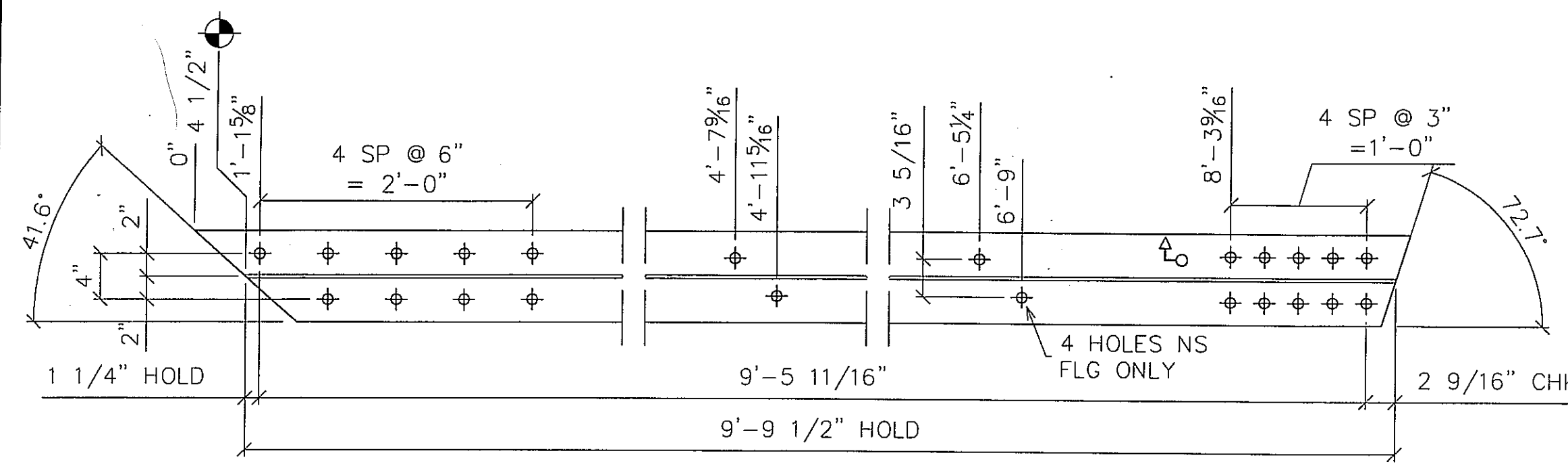
OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

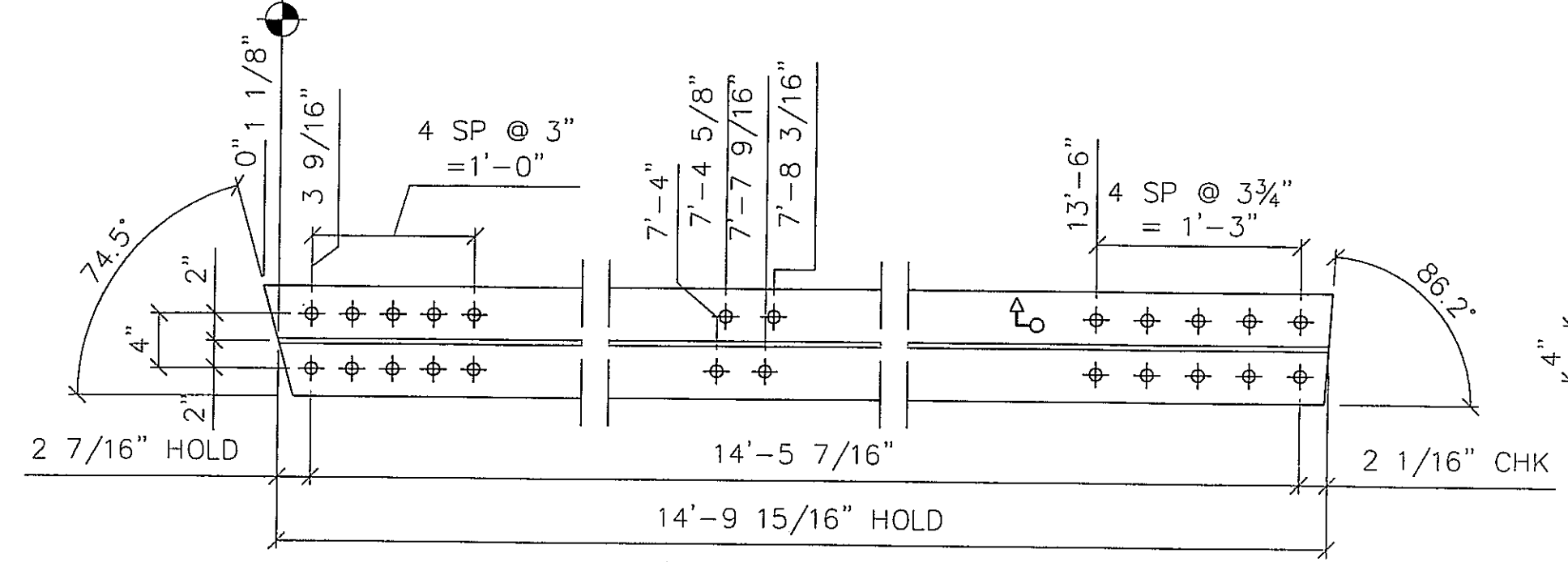
DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
SHOP DETAILS			SHOP ASSEMBLY	10
USB JOB# 50515			20	TOTAL

DATE PLOTTED August 26, 2011

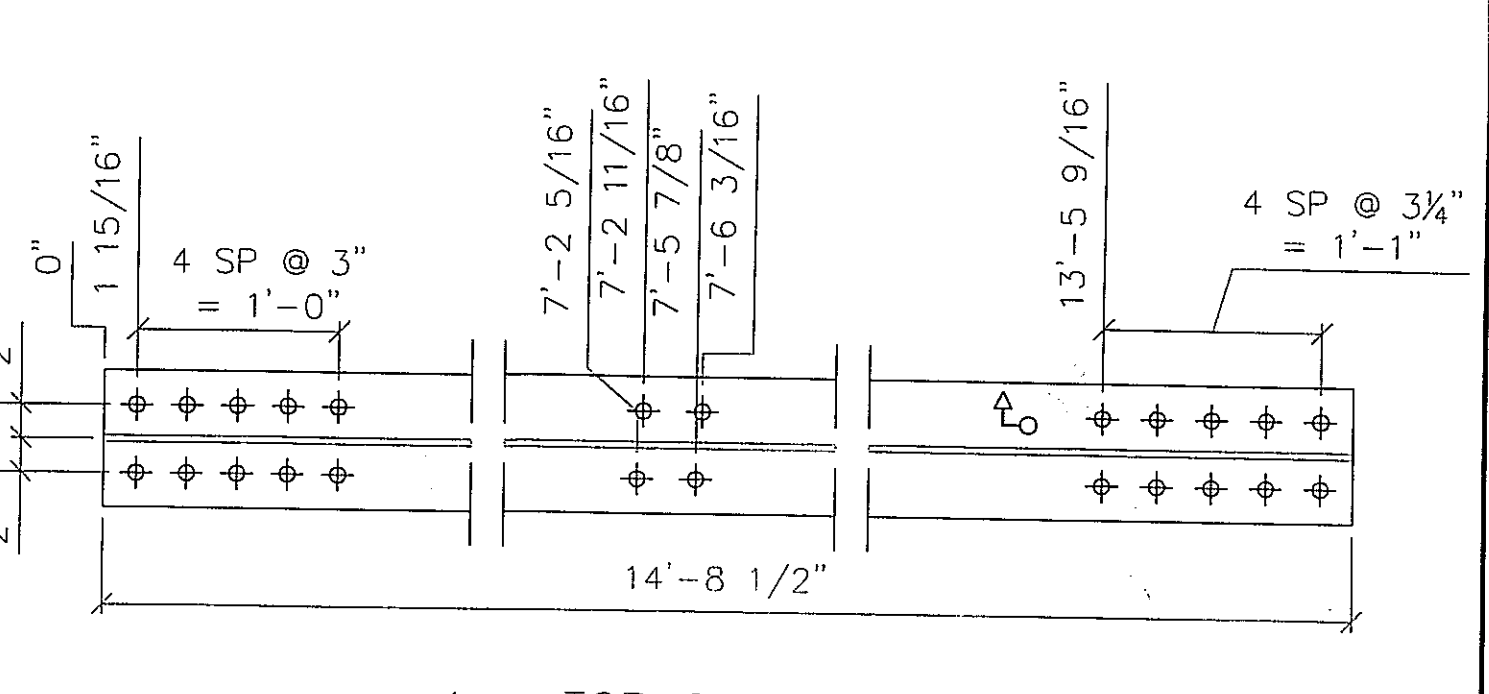
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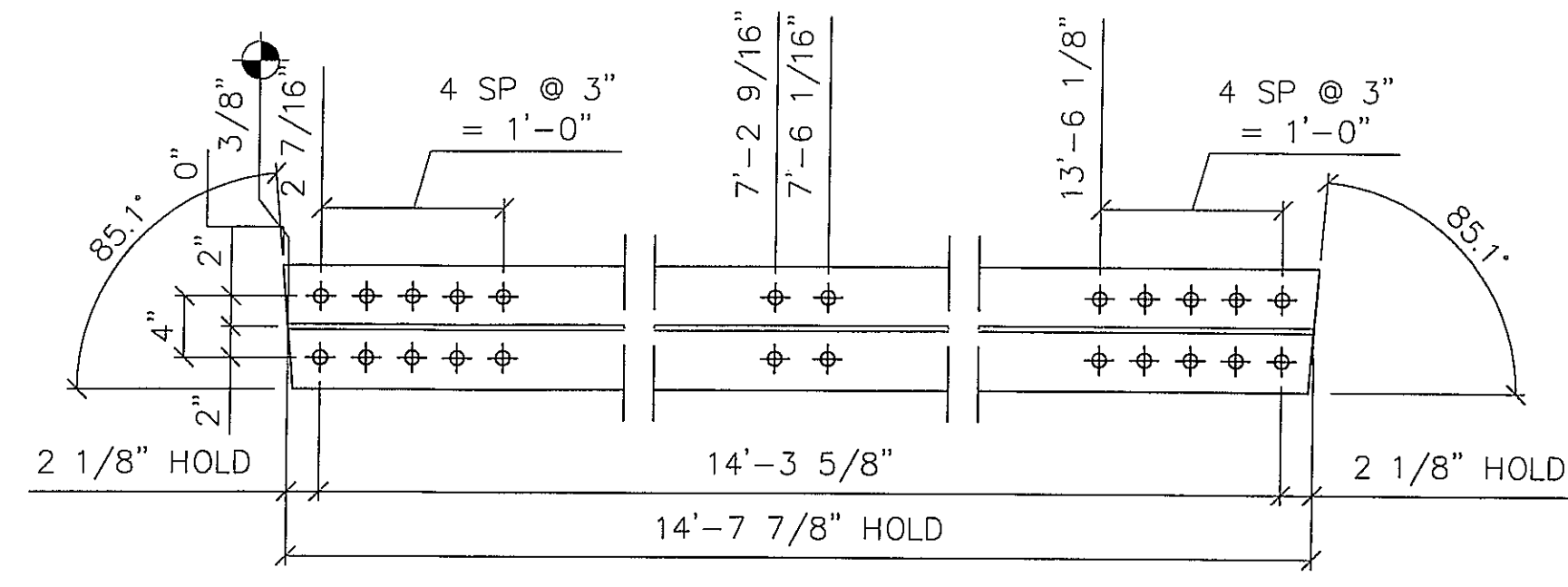
2 - TOP CHORD - tc1  
W12X40 (10'-3 1/4") WEATH



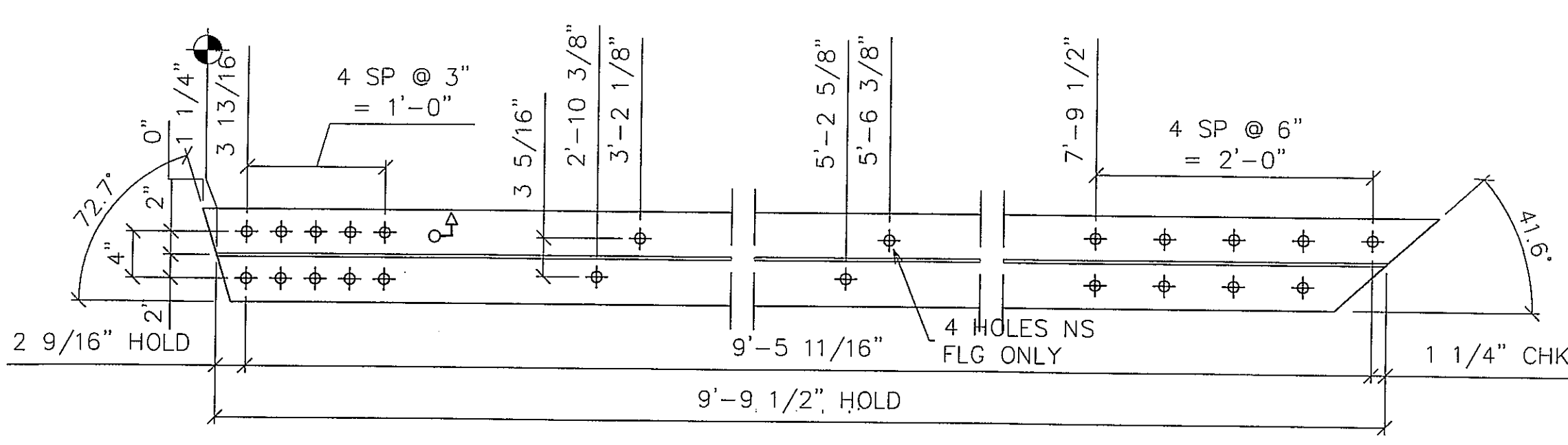
4 - TOP CHORD - tc2  
W12X50 (14'-11 3/8") WEATH



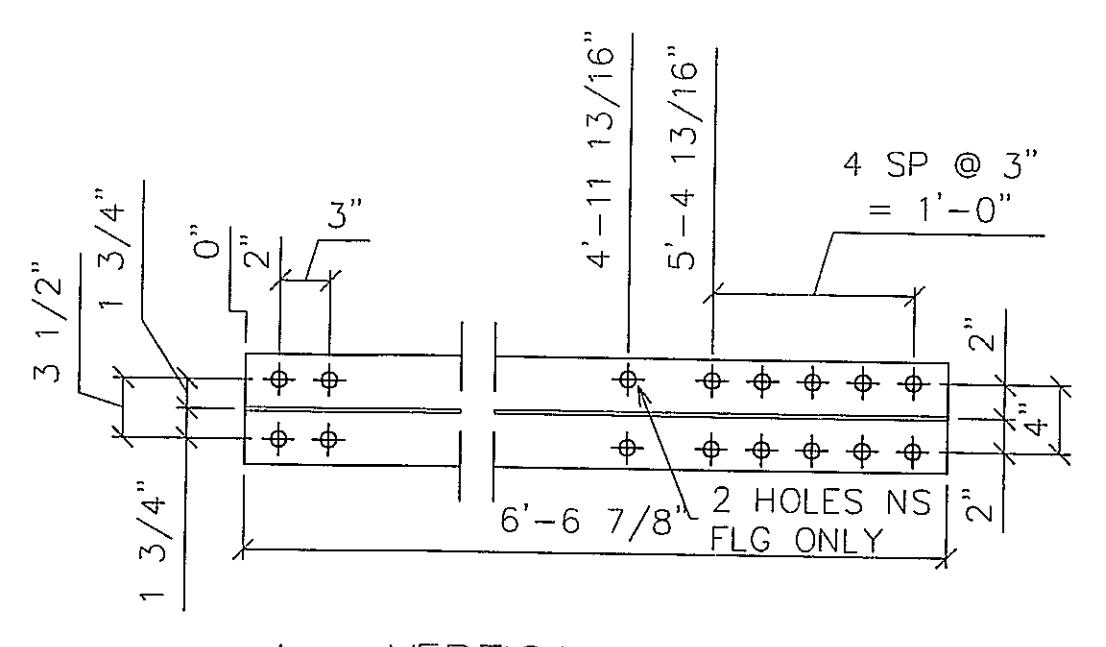
4 - TOP CHORD - tc3  
W12X50 (14'-8 1/2") WEATH



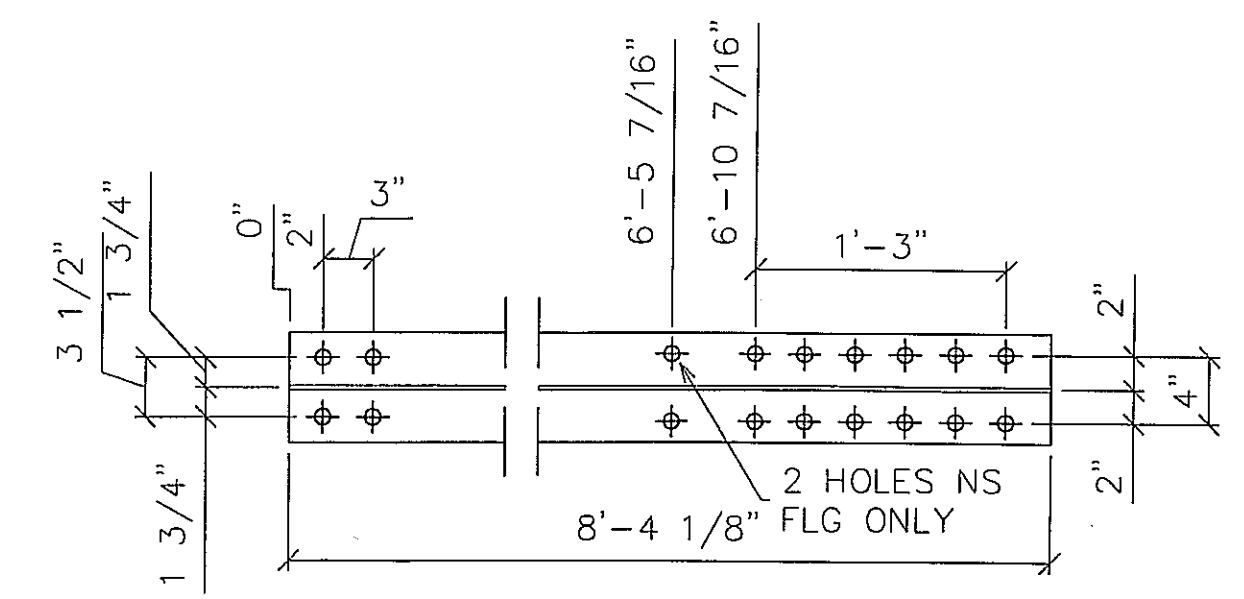
2 - TOP CHORD - tc4  
W12X50 (14'-8 9/16") WEATH



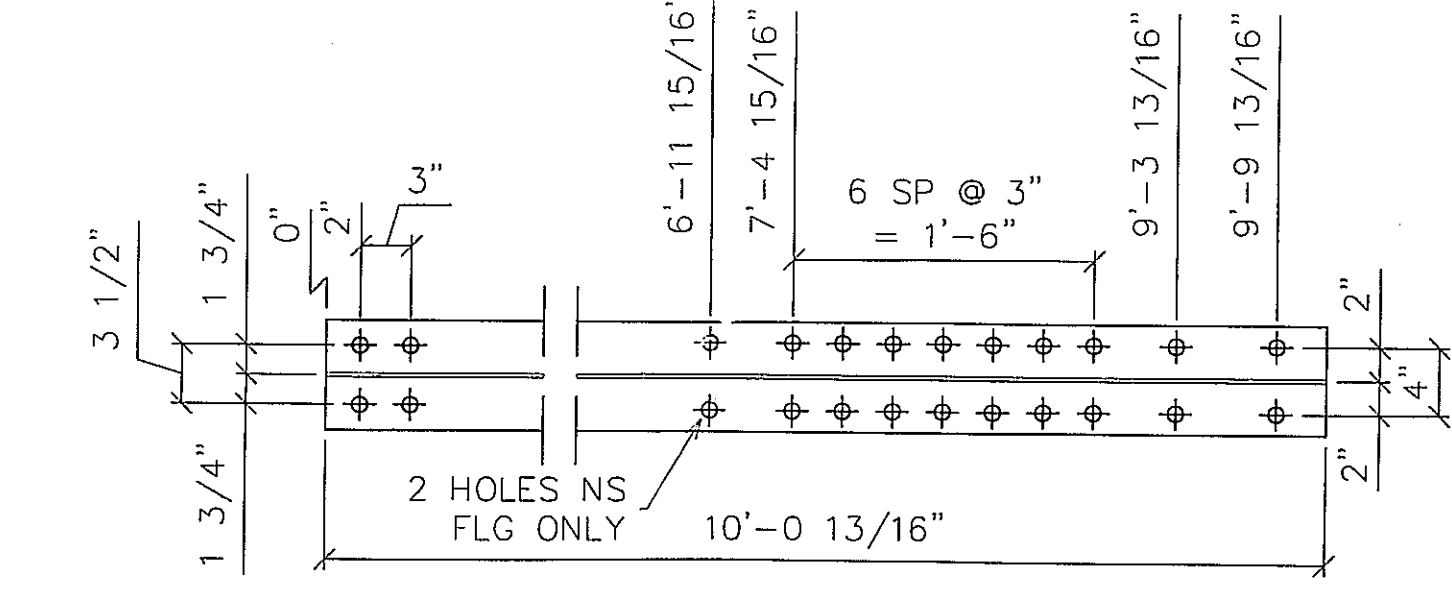
2 - TOP CHORD - tc5  
W12X40 (10'-3 1/4") WEATH



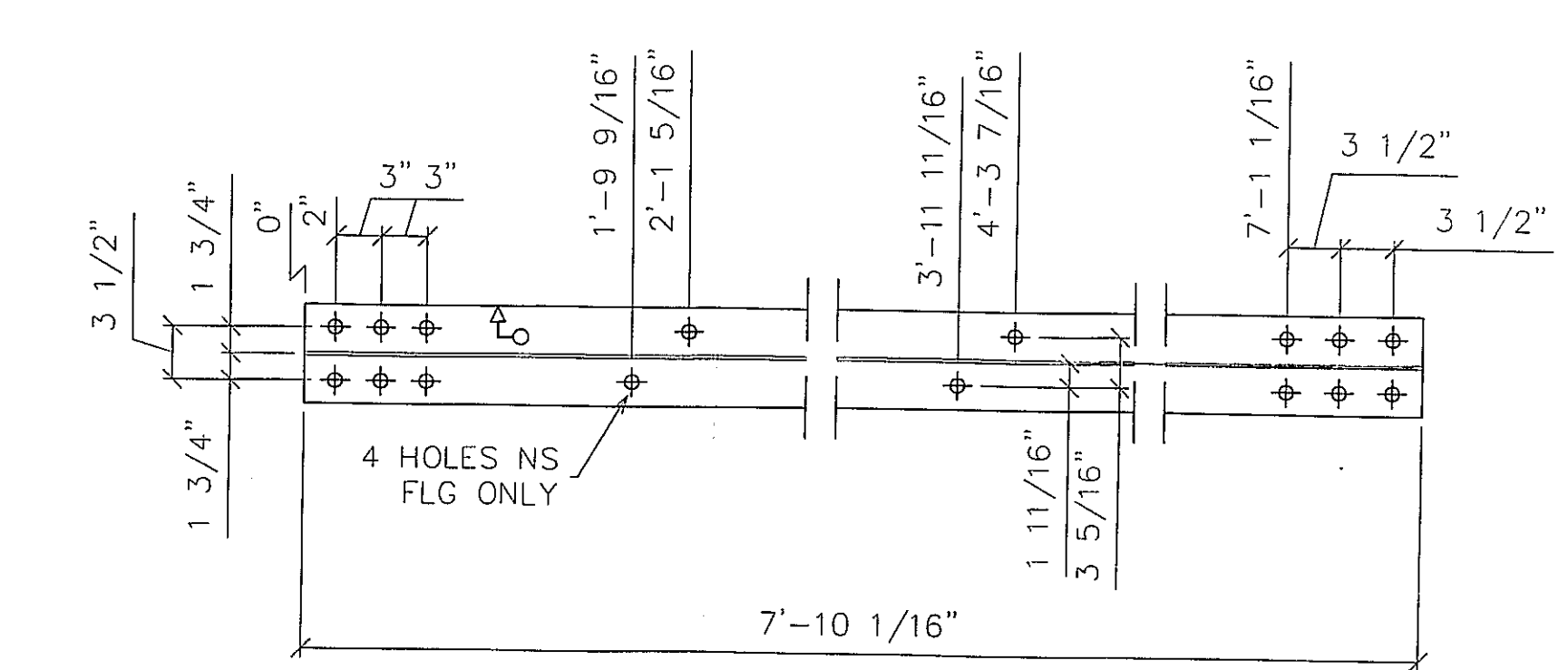
4 - VERTICAL BRACE - v1  
W12X26 (6'-6 7/8") WEATH



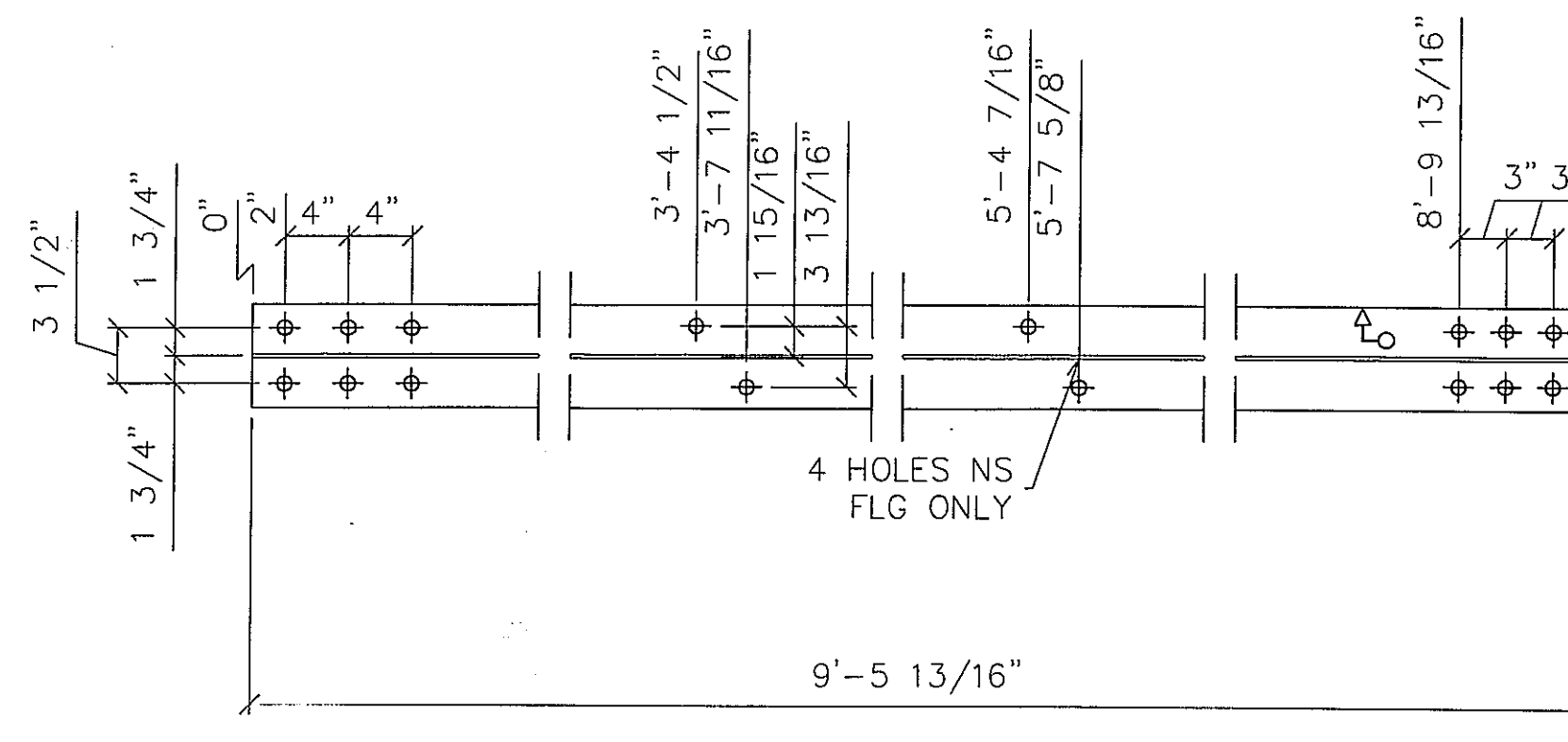
4 - VERTICAL BRACE - v2  
W12X26 (8'-4 1/8") WEATH



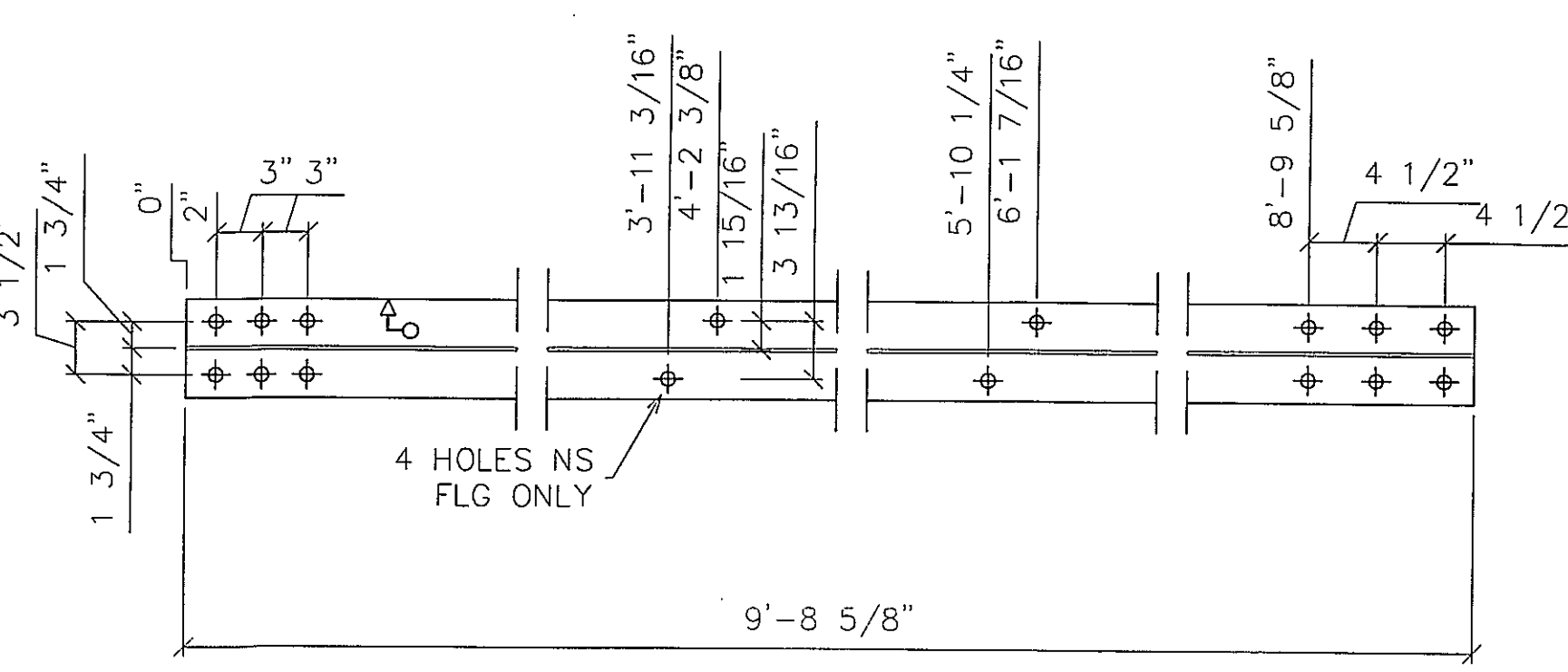
2 - VERTICAL BRACE - v3  
W12X26 (10'-0 13/16") WEATH



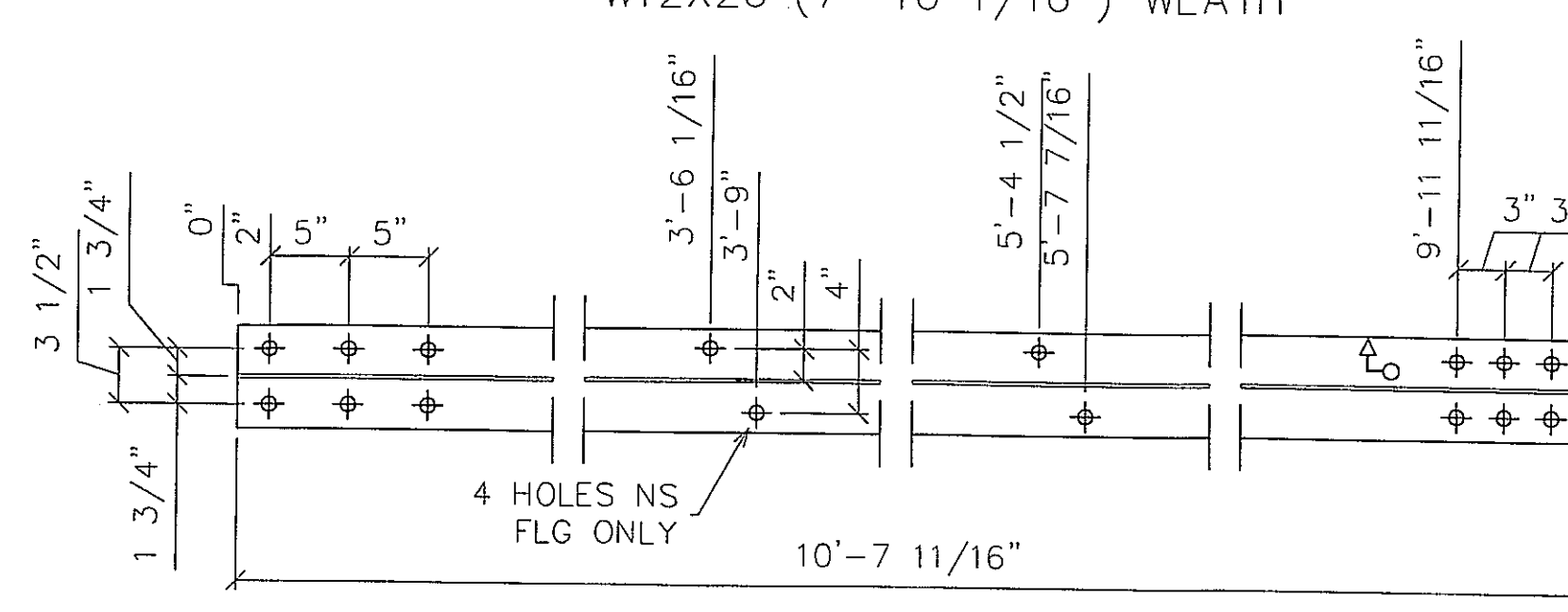
2 - DIAGONAL BRACE - d1  
W12X26 (7'-10 1/16") WEATH



2 - DIAGONAL BRACE - d2  
W12X26 (9'-5 13/16") WEATH



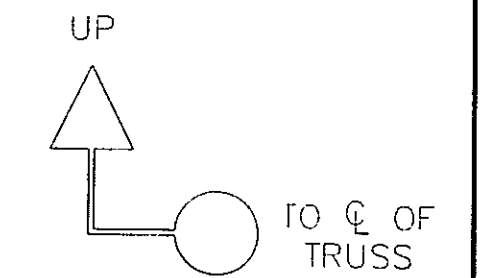
2 - DIAGONAL BRACE - d3  
W12X26 (9'-8 5/8") WEATH



2 - DIAGONAL BRACE - d4  
W12X26 (10'-7 11/16") WEATH

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

15/16" Ø HOLES UNO



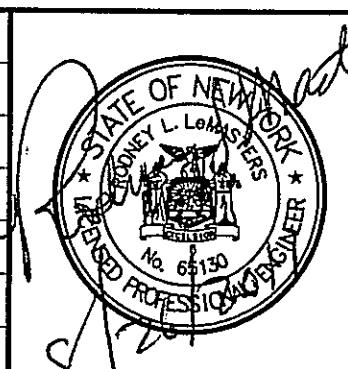
**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
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REF: REFERENCE	GA: GAUGE
CHK: CHECK	ID: INSIDE DIAMETER
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FF: FACE TO FACE	TYP: TYPICAL
DIA/Ø: DIAMETER	UNO: UNLESS NOTED OTHERWISE
R: RADIUS	ABUT: ABUTMENT
	T&B: TOP & BOTTOM

DIST. BY: **CONTECH** CONSTRUCTION PRODUCTS INC. www.contech-cpi.com

FAB. BY: **U.S. BRIDGE** BRIDGING AMERICA SINCE 1934

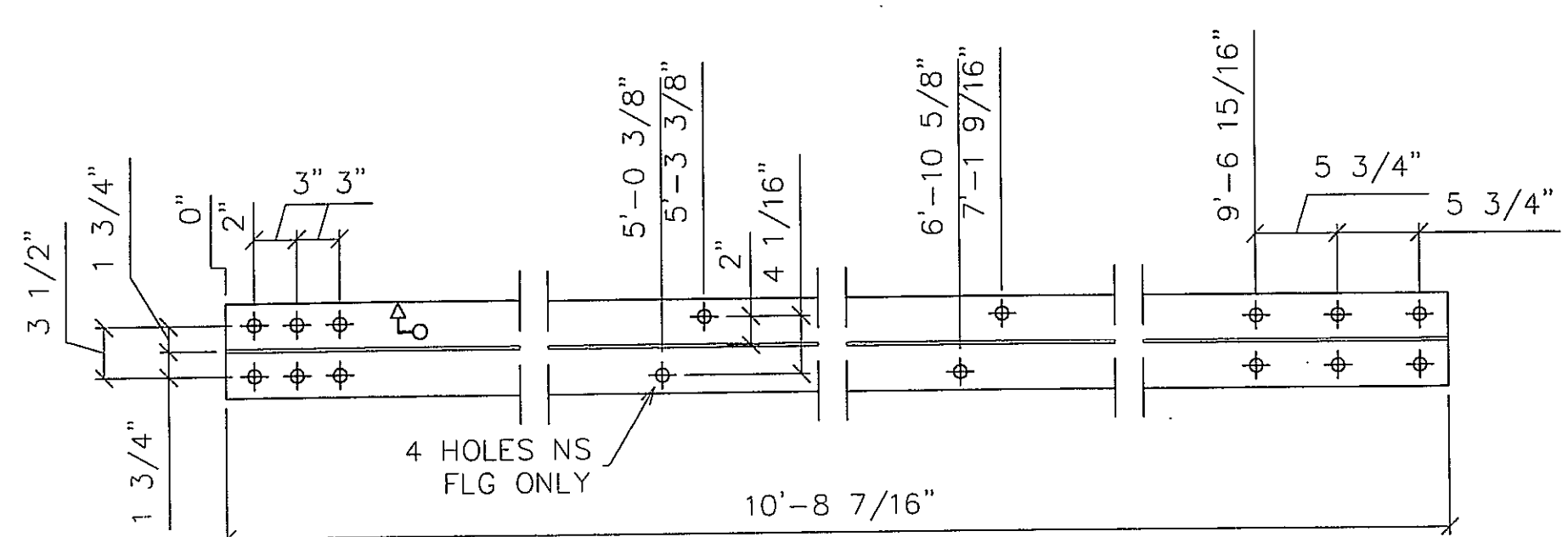
SUBMITTAL LOG		DATE	NO.	DATE	REVISIONS:	BY:
INITIAL SUBMITTAL		7/29/11	▲			
RESUBMITTAL NO. 2		8/26/11	▲			
CUSTOMER APPROVAL			▲			
SHOP REVIEW			▲			
PRE FAB MTG			▲			
APPROVED FOR FAB			▲			



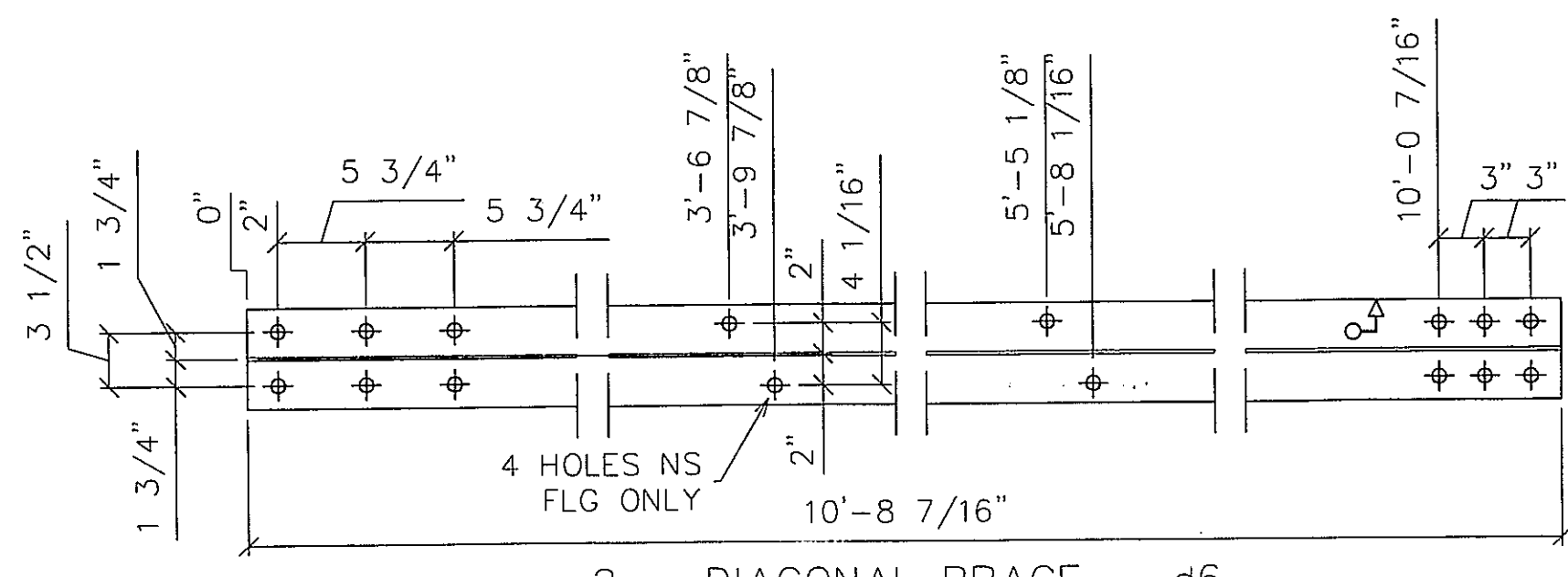
OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

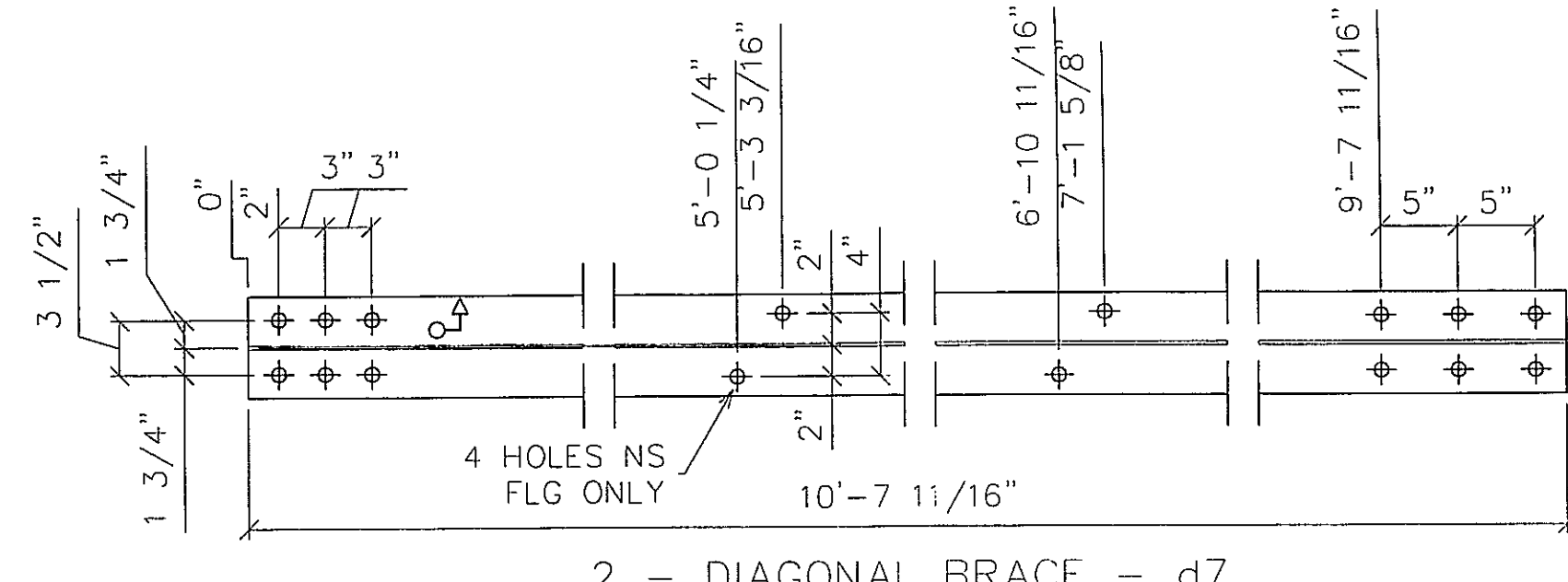
DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET 11a
SHOP DETAILS		PROFILES		USB JOB# 50515



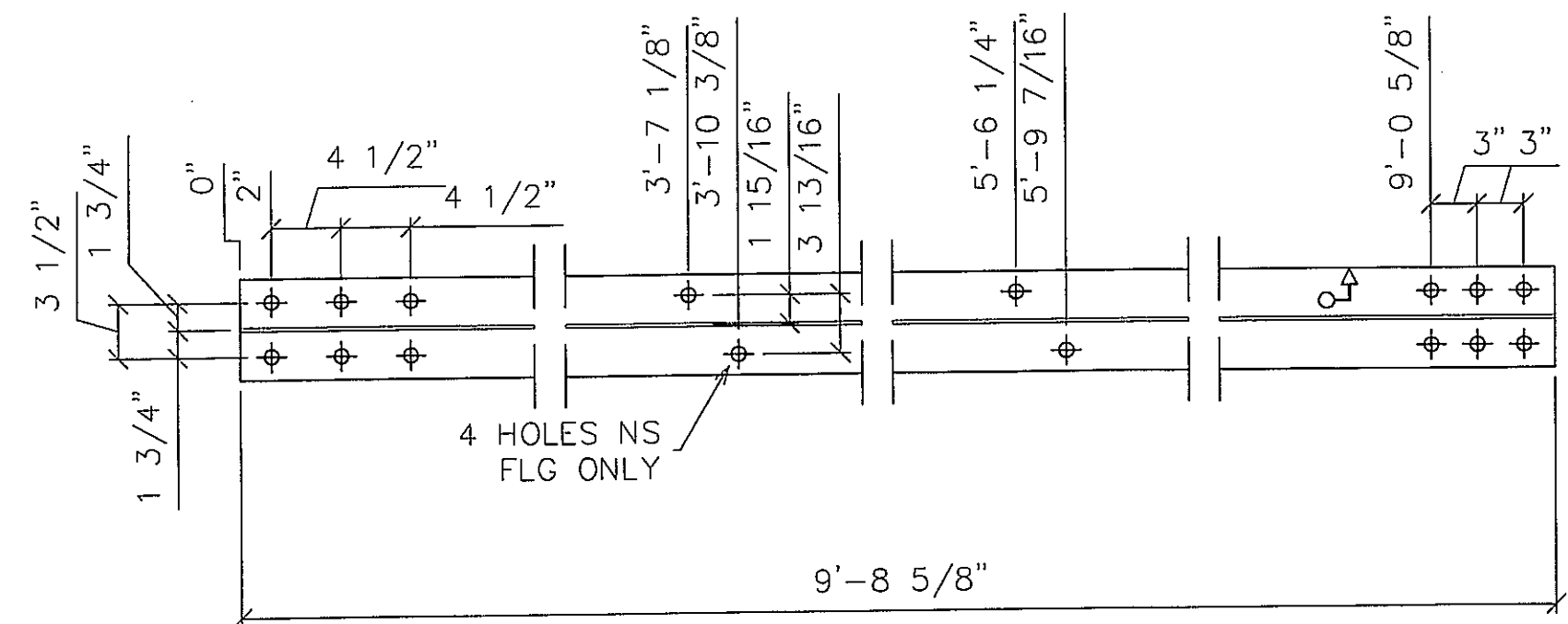
2 - DIAGONAL BRACE - d5  
W12X26 (10'-8 7/16") WEATH



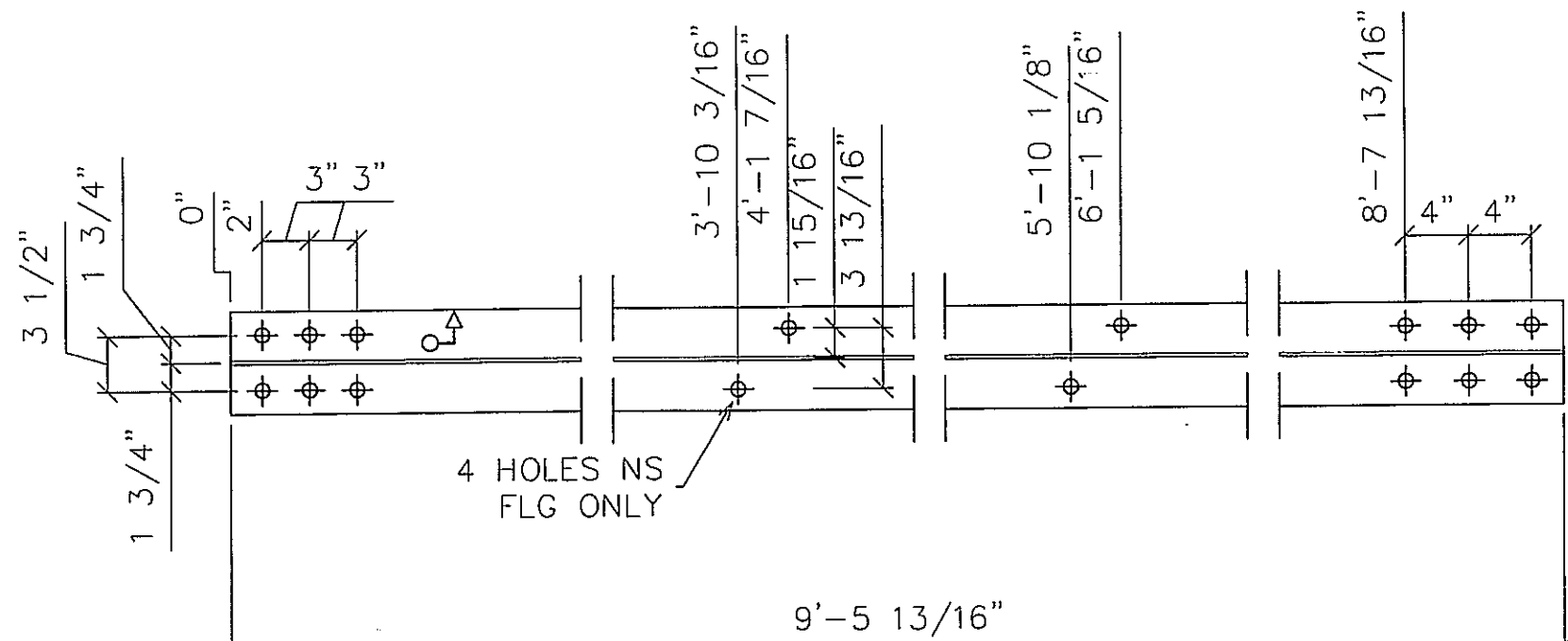
2 - DIAGONAL BRACE - d6  
W12X26 (10'-8 7/16") WEATH



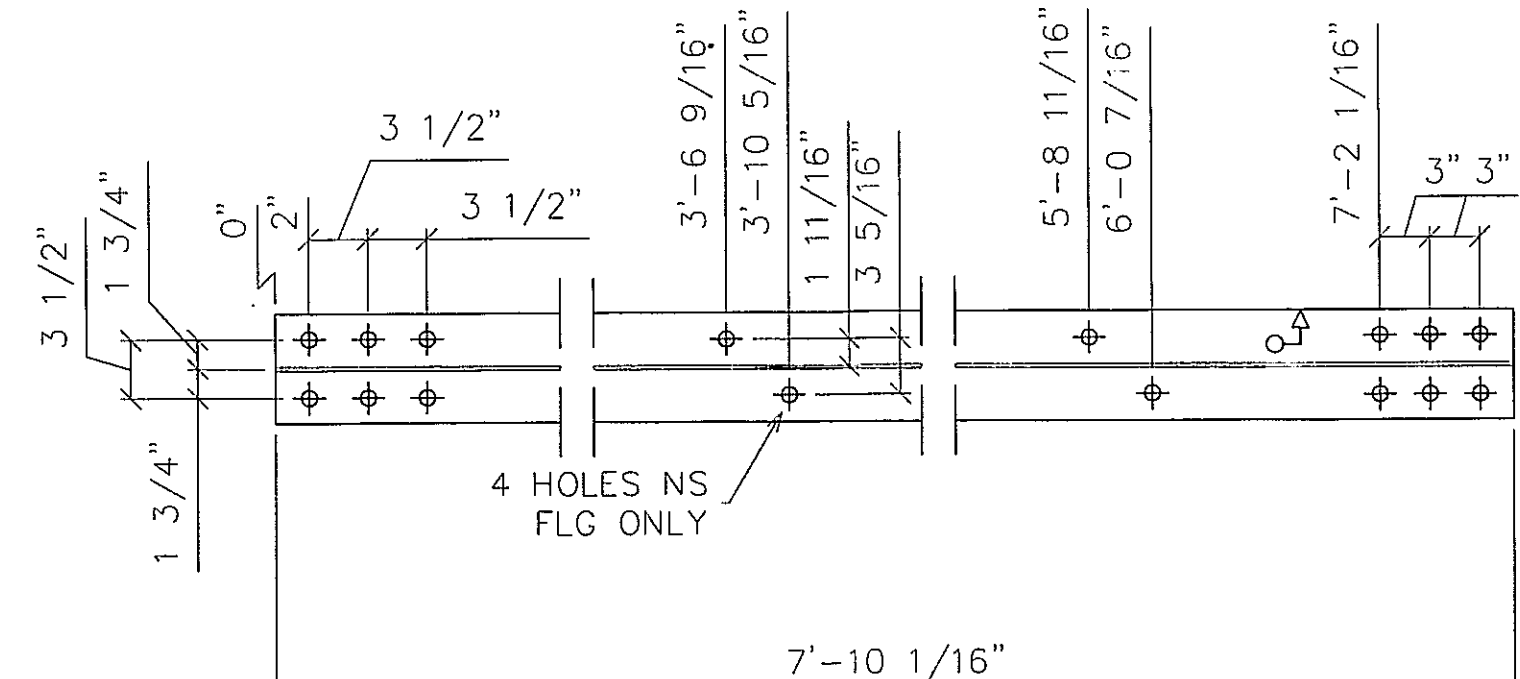
2 - DIAGONAL BRACE - d7  
W12X26 (10'-7 11/16") WEATH



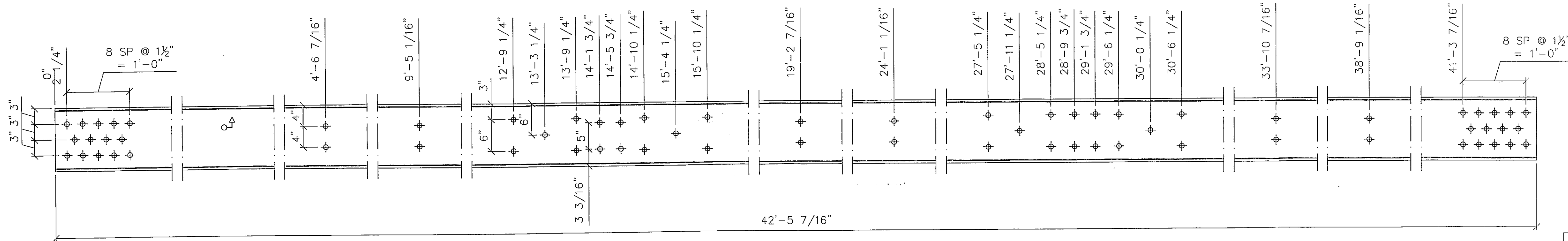
2 - DIAGONAL BRACE - d8  
W12X26 (9'-8 5/8") WEATH



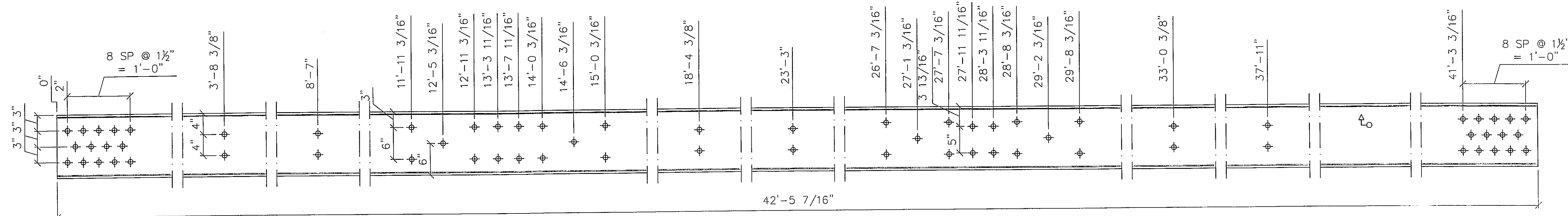
2 - DIAGONAL BRACE - d9  
W12X26 (9'-5 13/16") WEATH



2 - DIAGONAL BRACE - d10  
W12X26 (7'-10 1/16") WEATH



4 - BOTTOM CHORD - bc1  
C12X30 (42'-5 7/16") WEATH



4 - BOTTOM CHORD - bc2  
C12X30 (42'-5 7/16") WEATH

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

15/16" Ø HOLES UNO  
UP  
TO C. OF TRUSS

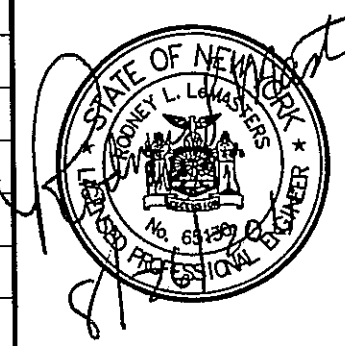
**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
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F/F: FACE TO FACE	TYP: TYPICAL
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	T&B: TOP & BOTTOM

DIST. BY: **CONTECH**  
CONSTRUCTION PRODUCTS INC.  
www.contech-cpi.com

FAB. BY: **U.S. BRIDGE**  
BRIDGING AMERICA SINCE 1938

SUBMITTAL LOG	DATE	NO.	DATE	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	1			
RESUBMITTAL NO. 2	8/26/11	2			
CUSTOMER APPROVAL	-				
SHOP REVIEW	-				
PRE FAB MTG	-				
APPROVED FOR FAB	-				

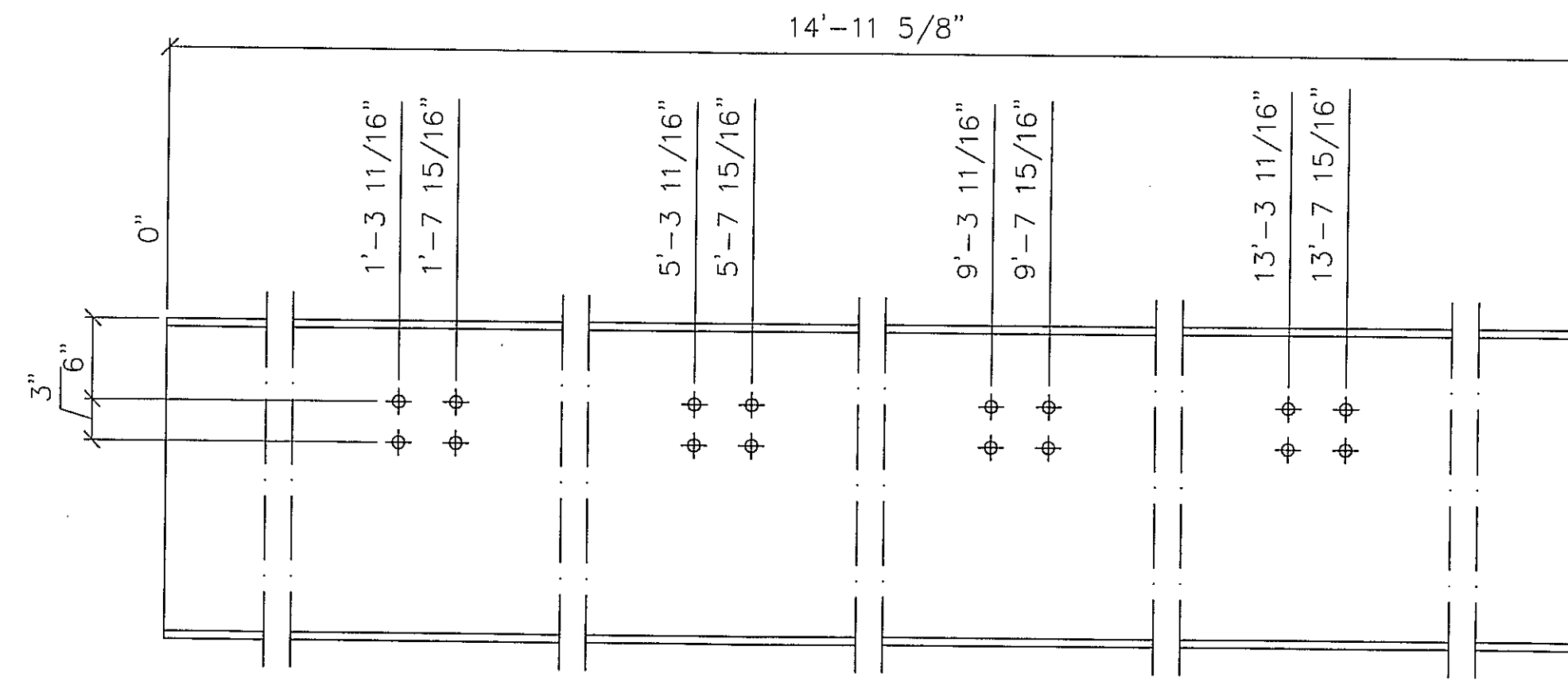
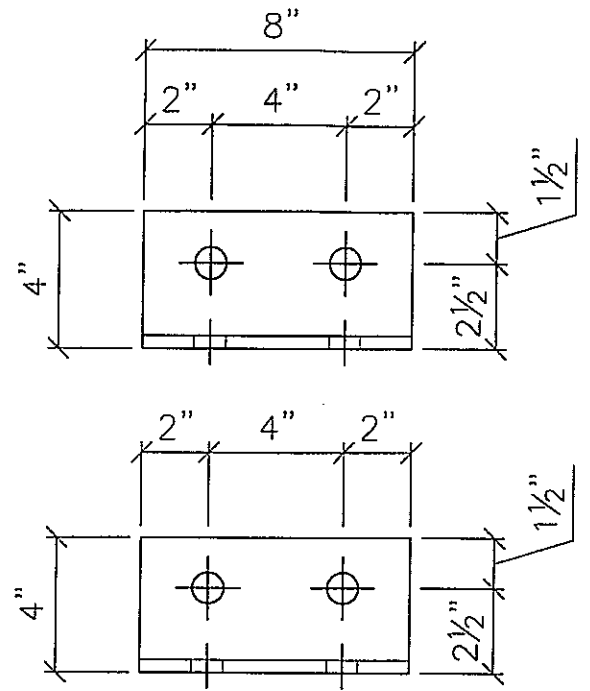


OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

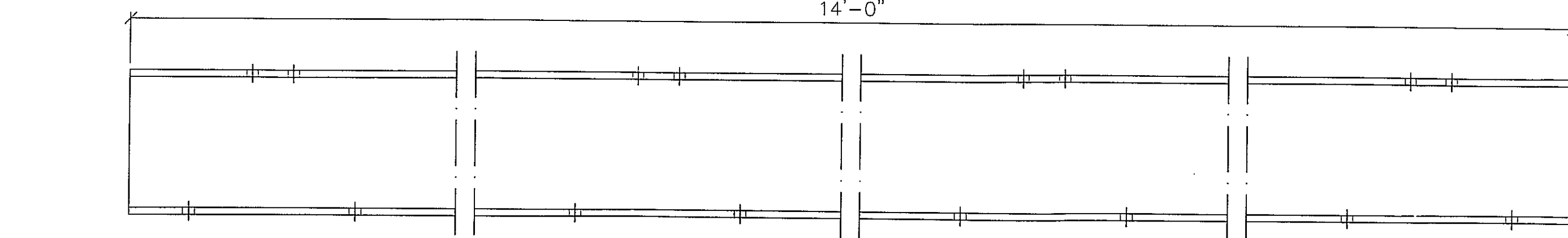
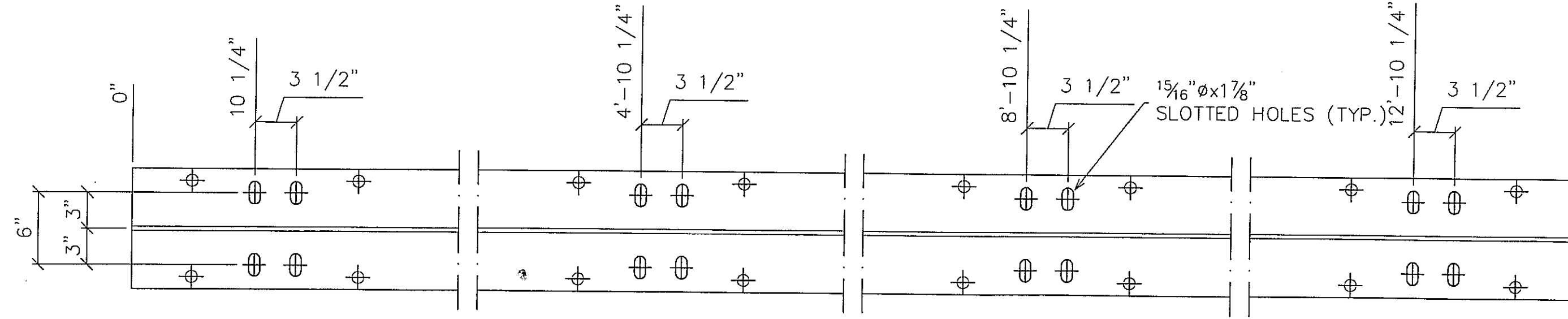
ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
SHOP DETAILS			PROFILES	11b
USB JOB# 50515			20	TOTAL

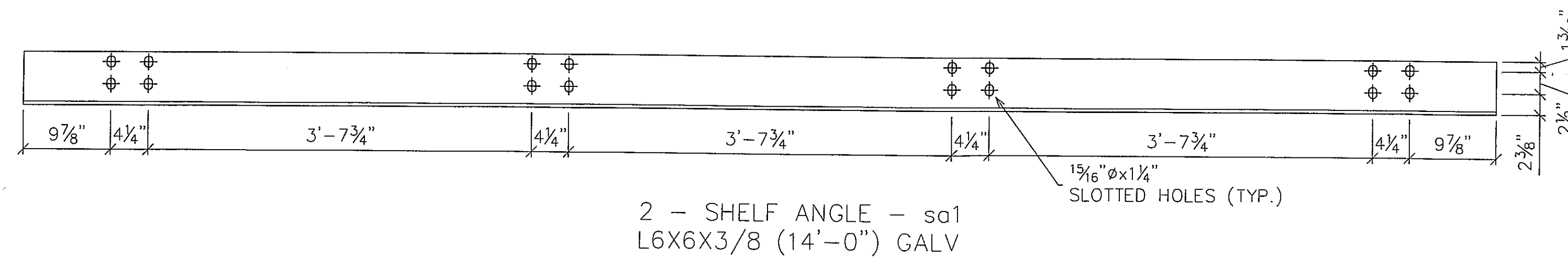
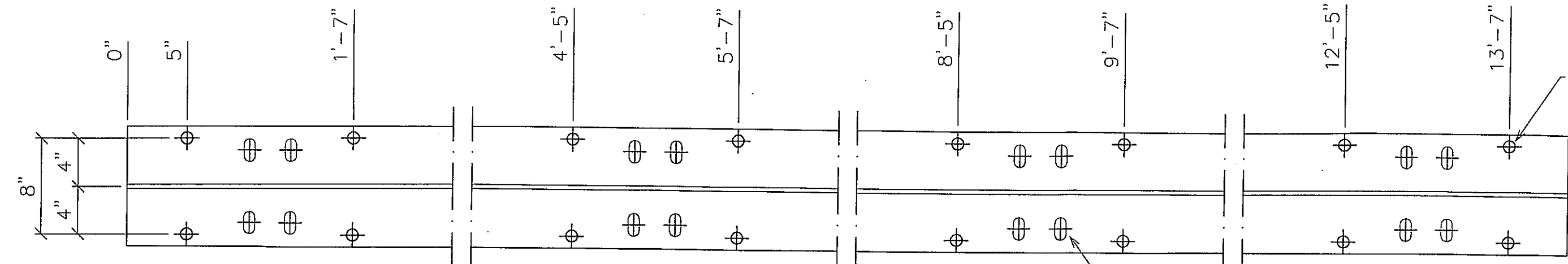
48 - BOTTOM CHORD SPACER - bcs1  
L4X4X3/8 (8") WEATH



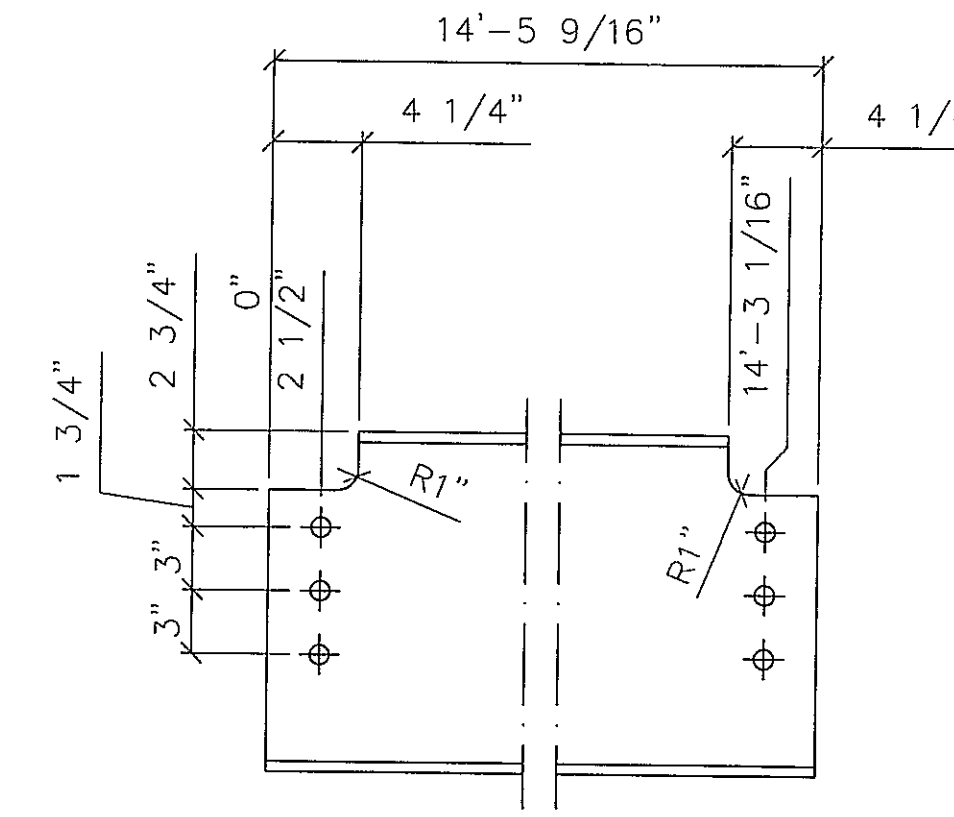
5 - FLOOR BEAM - fb1  
W24X68 (14'-11 5/8") GALV



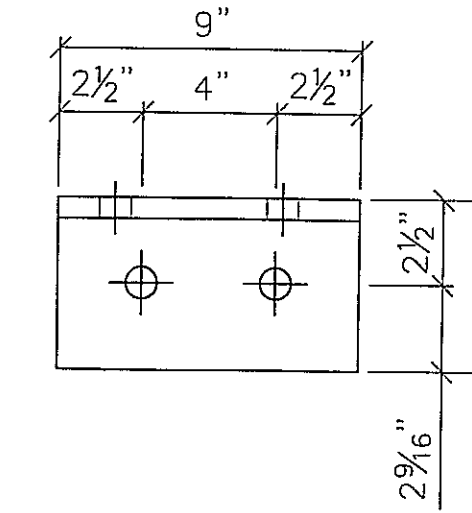
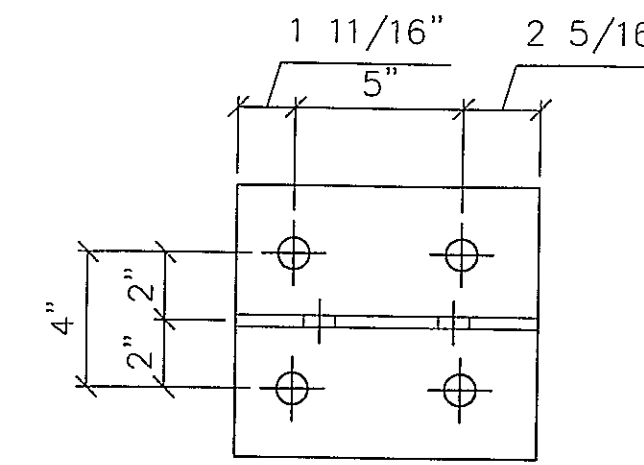
1 - STRINGER BOLSTER - sb1  
W12X53 (14'-0") GALV



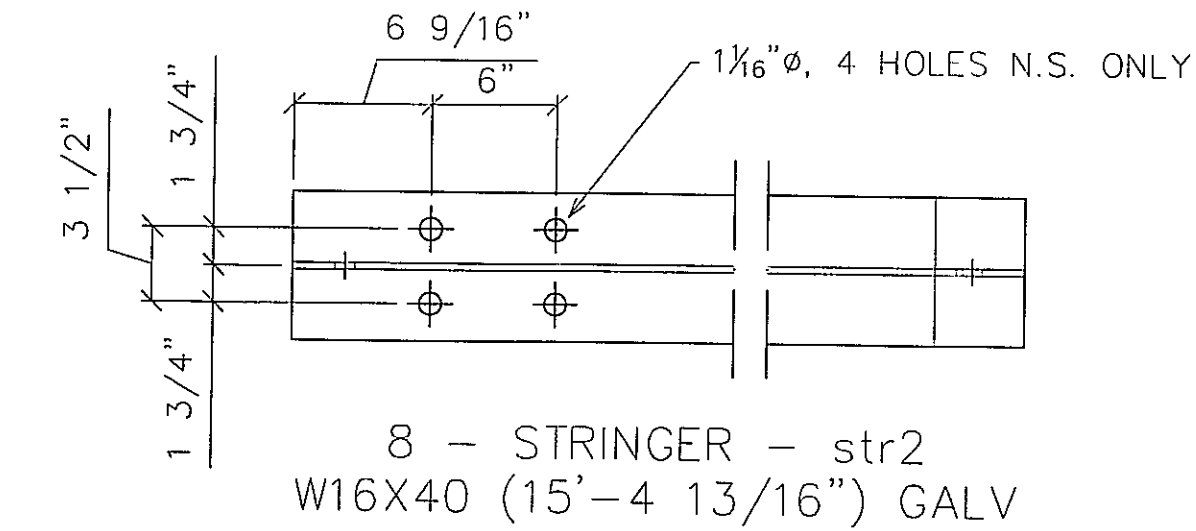
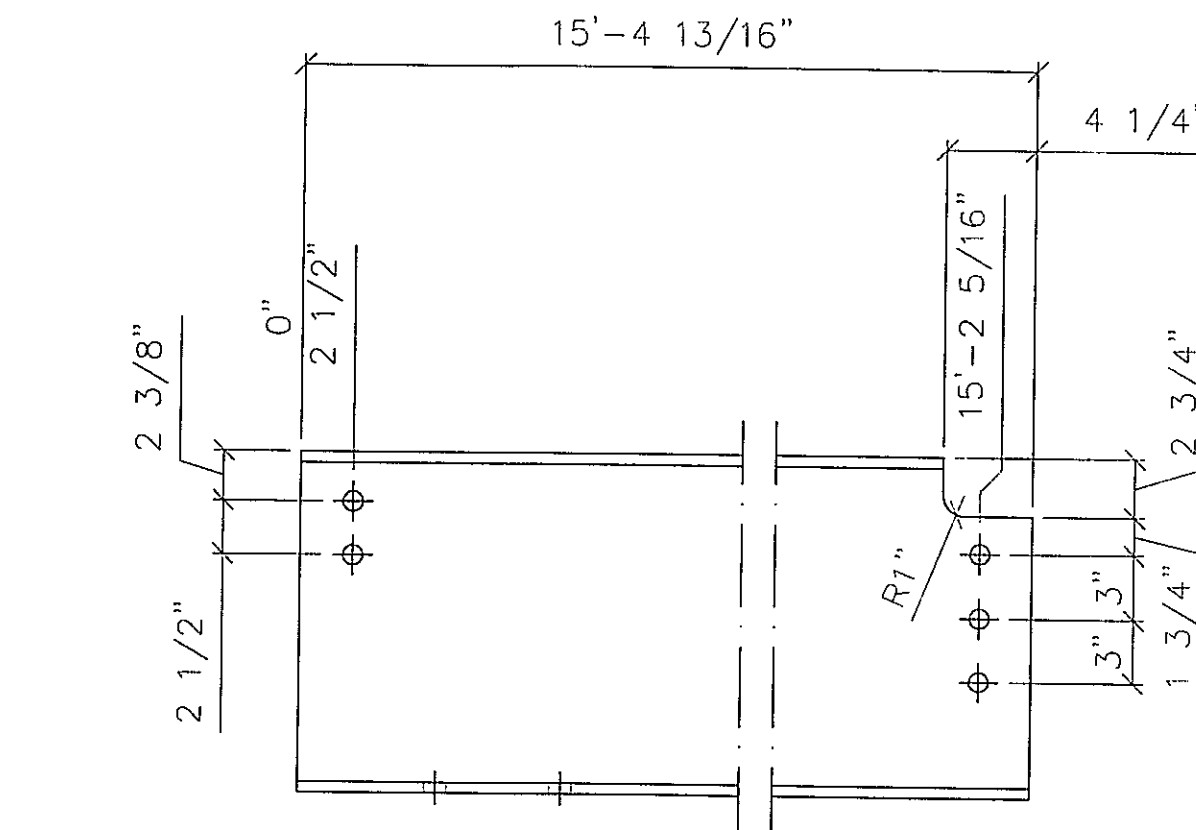
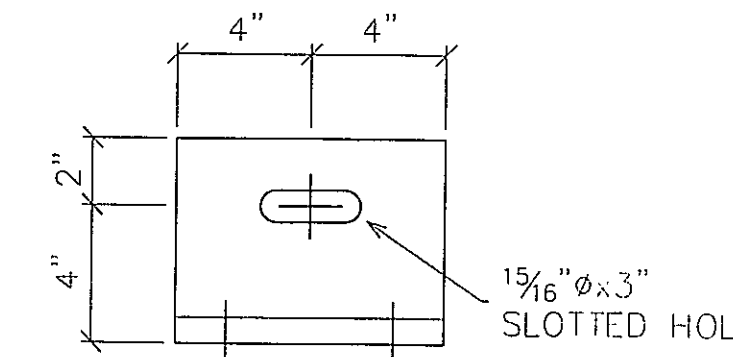
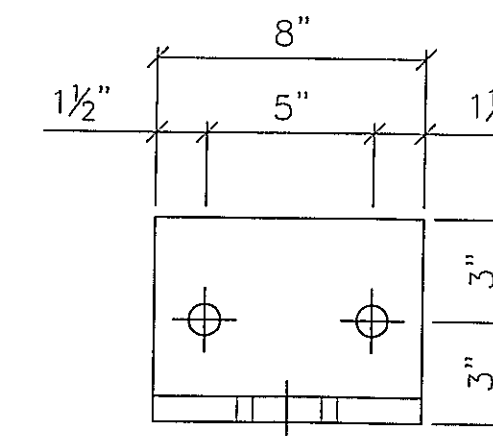
2 - SHELF ANGLE - sa1  
L6X6X3/8 (14'-0") GALV



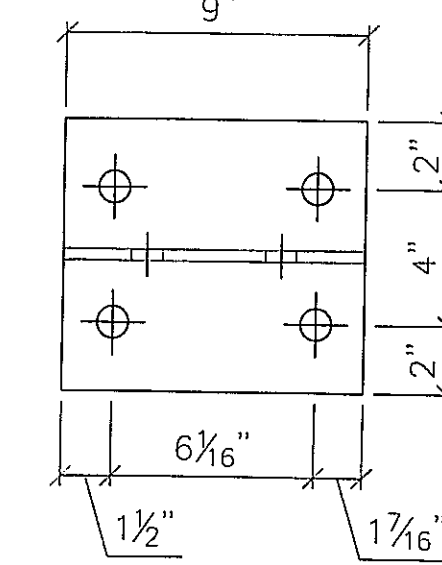
16 - STRINGER - str1  
W16X40 (14'-5 9/16") GALV



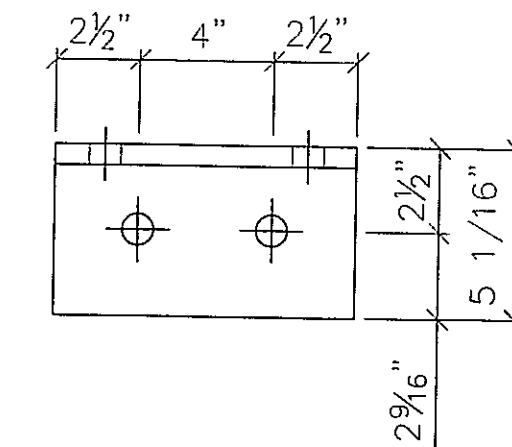
8 - BOTTOM CHORD SPACER WT - bcwt1  
W10X45 (9") WEATH



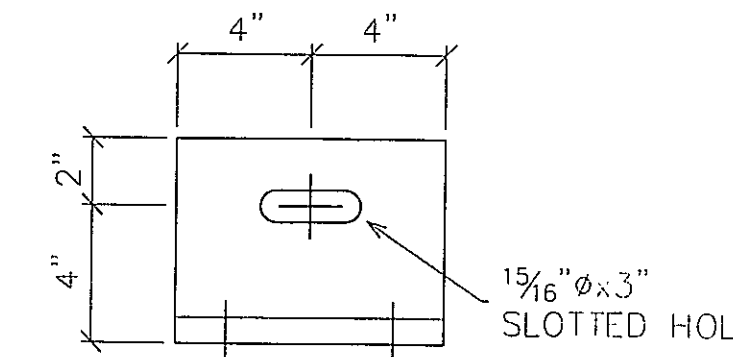
8 - STRINGER - str2  
W16X40 (15'-4 13/16") GALV



8 - BOTTOM CHORD SPACER WT - bcwt2  
W10X45 (9") WEATH

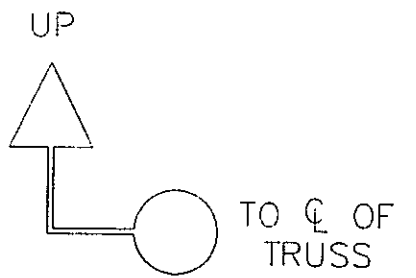


48 - GUARDRAIL BRACKET - gb1  
L6X6X3/4 (8") WEATH



**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

1 5/16" Ø HOLES UNO



SYMBOLS & ABBREVIATIONS	
ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
C: CENTERLINE	WP/⊕: WORK POINT
REF: REFERENCE	GA: GAUGE
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O/O: OUT TO OUT	OD: OUTSIDE DIAMETER
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	T&B: TOP & BOTTOM

DESIGN BY: **CONTECH** CONSTRUCTION PRODUCTS INC.  
FAB. BY: **U.S. BRIDGE** BRIDGING AMERICA SINCE 1936

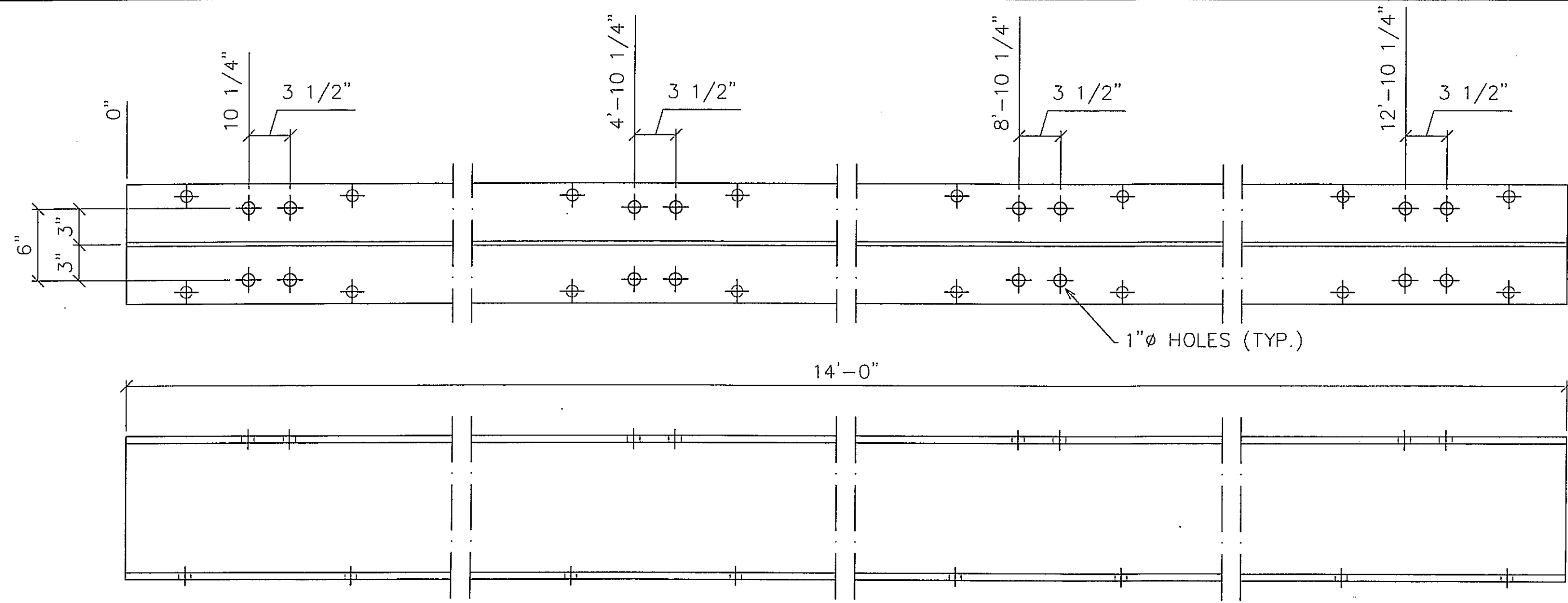
SUBMITTAL LOG		DATE	NO.	DATE	REVISIONS:	BY:
INITIAL SUBMITTAL		7/29/11	▲			
RESUBMITTAL NO. 2		8/26/11	▲			
CUSTOMER APPROVAL		-	▲			
SHOP REVIEW		-	▲			
PRE FAB MTG		-	▲			
APPROVED FOR FAB		-	▲			



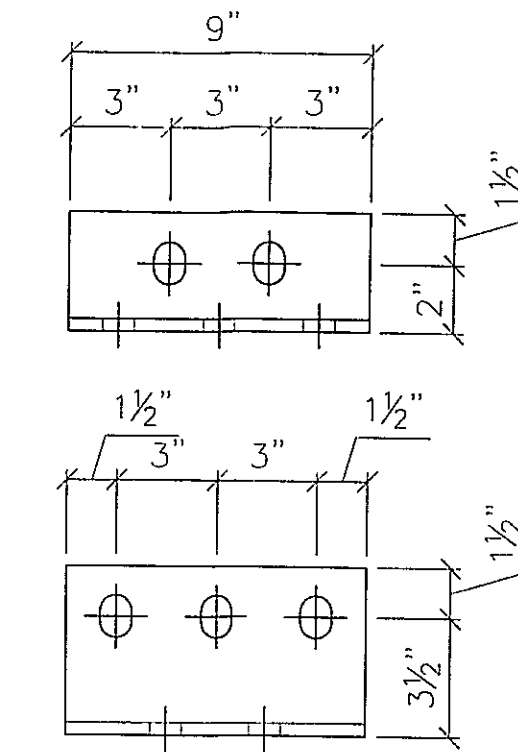
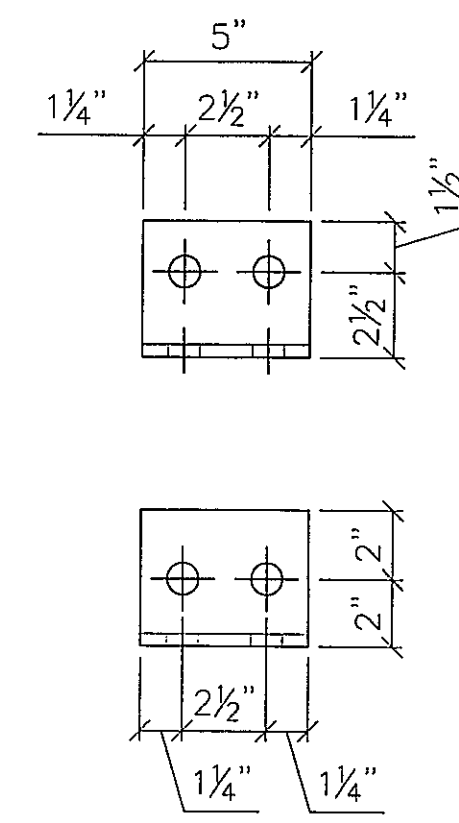
OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG	SHEET
SHOP DETAILS		PROFILES		11c
USB JOB# 50515			20	TOTAL

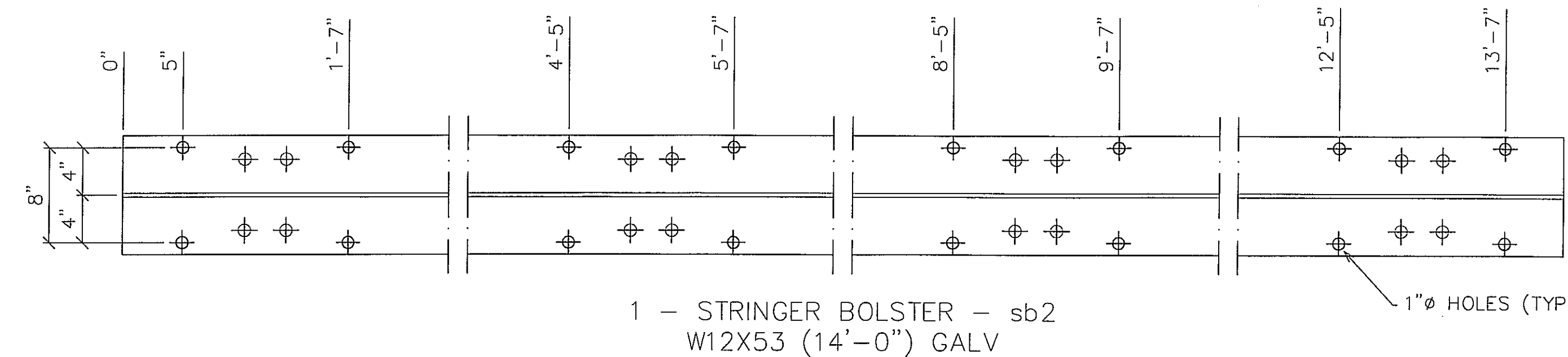


16 - STRINGER CONNECTION ANGLE - sca1  
L4X4X3/8 (5") GALV

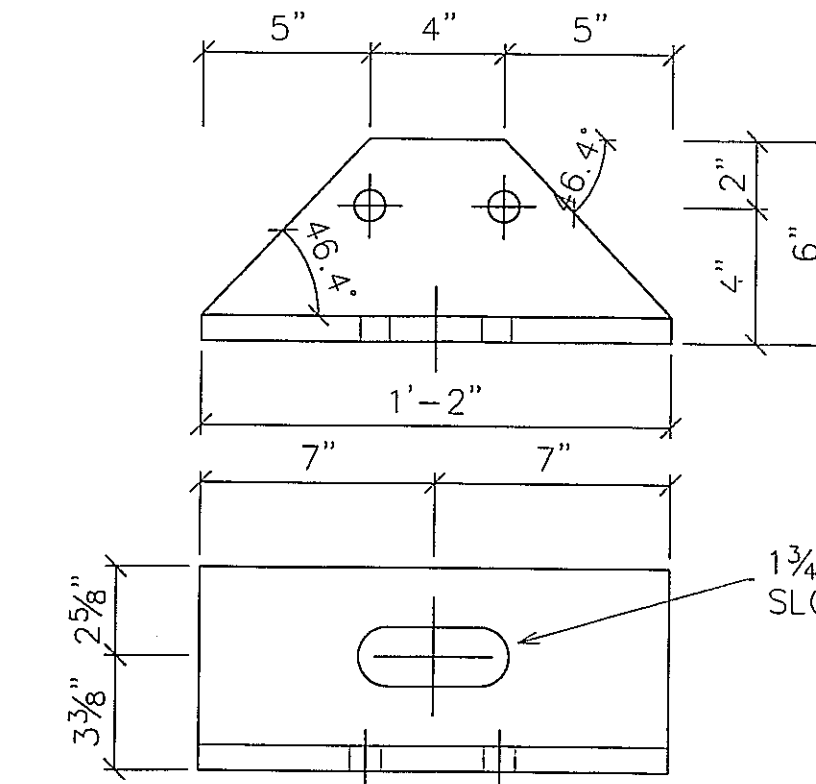


1 5/16" x 1 1/4" SLOTTED HOLES

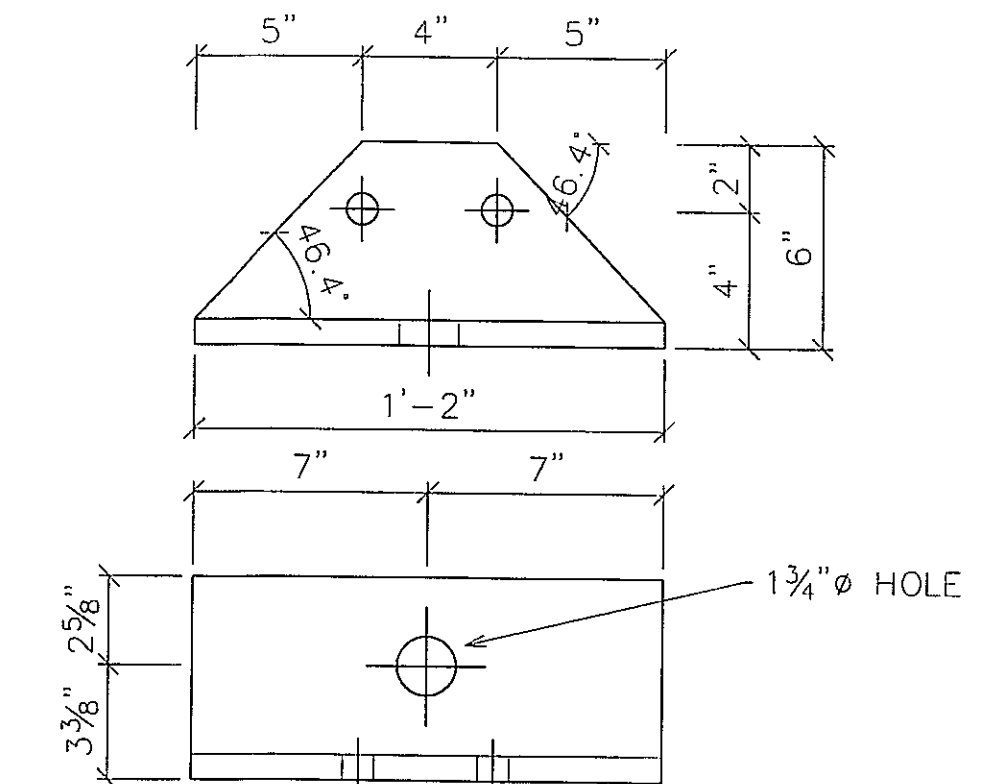
80 - STRINGER CONNECTION ANGLE - sca2  
L5X3-1/2X3/8 (9") GALV



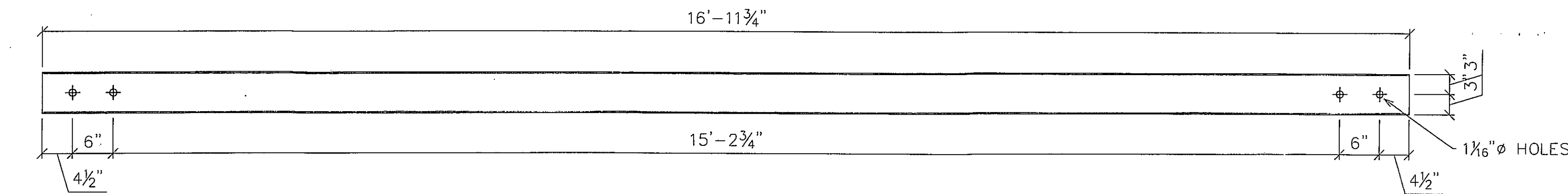
1 - STRINGER BOLSTER - sb2  
W12X53 (14'-0") GALV



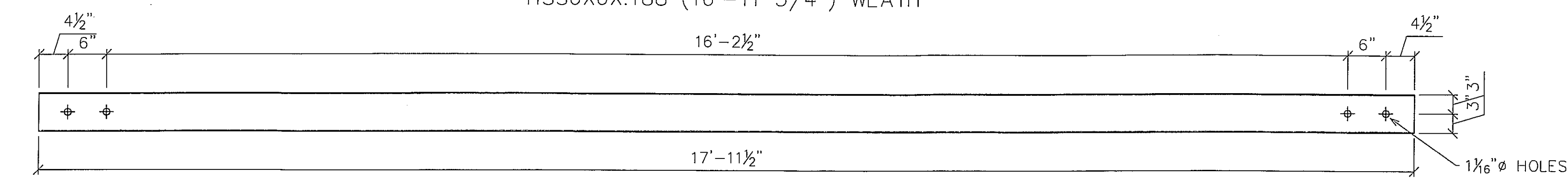
4 - TRUSS BEARING ANGLE - tba1  
L6X6X3/4 (1'-2") WEATH



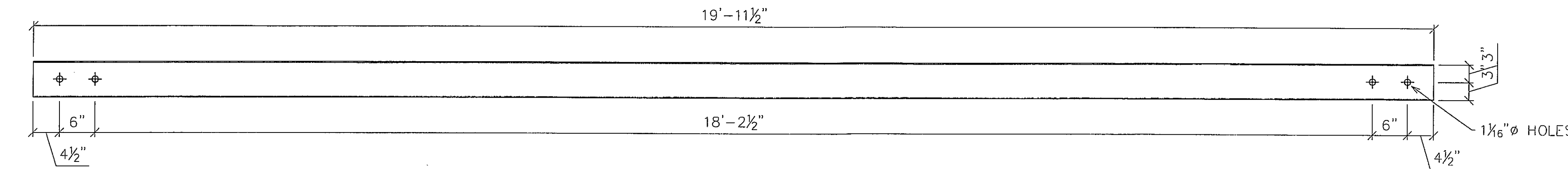
4 - TRUSS BEARING ANGLE - tba2  
L6X6X3/4 (1'-2") WEATH



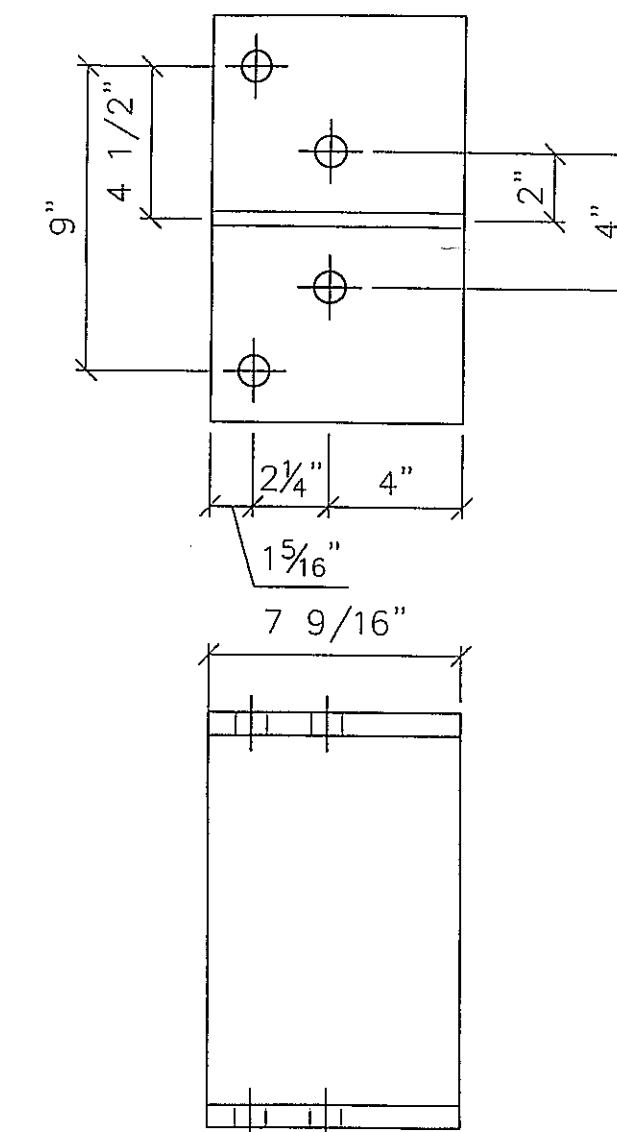
8 - GUARDRAIL - gdr1  
HSS6X6X.188 (16'-11 3/4") WEATH



4 - GUARDRAIL - gdr2  
HSS6X6X.188 (17'-11 1/2") WEATH



8 - GUARDRAIL - gdr3  
HSS6X6X.188 (19'-11 1/2") WEATH



4 - SHOE - shoe1  
W12X72 (7 9/16") WEATH

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

1 5/16" HOLES UNO  
UP  
TO C/F OF TRUSS

**SYMBOLS & ABBREVIATIONS**

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DIST. BY: **CONTECH**  
CONSTRUCTION PRODUCTS INC.  
www.contech-cpl.com

FAB. BY: **U.S. BRIDGE**  
BRIDGING AMERICA SINCE 1936

SUBMITTAL LOG	DATE	NO.	DATE:	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
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CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			



OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

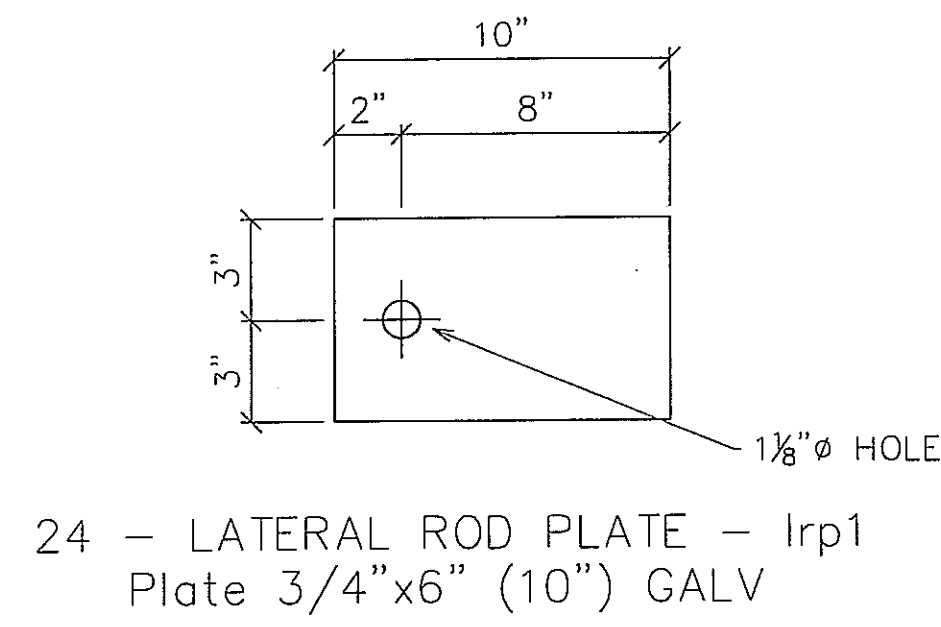
DESIGN: SAF    DRAW: CRM/AEC    REVIEW: RLL    CHECK: CLG

SHOP DETAILS    PROFILES    USB JOB# 50515

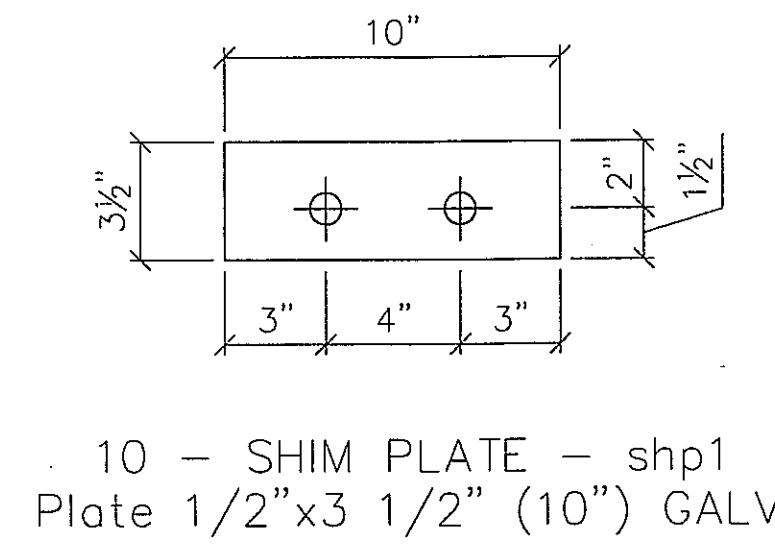
ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

SHEET **11d** TOTAL 20

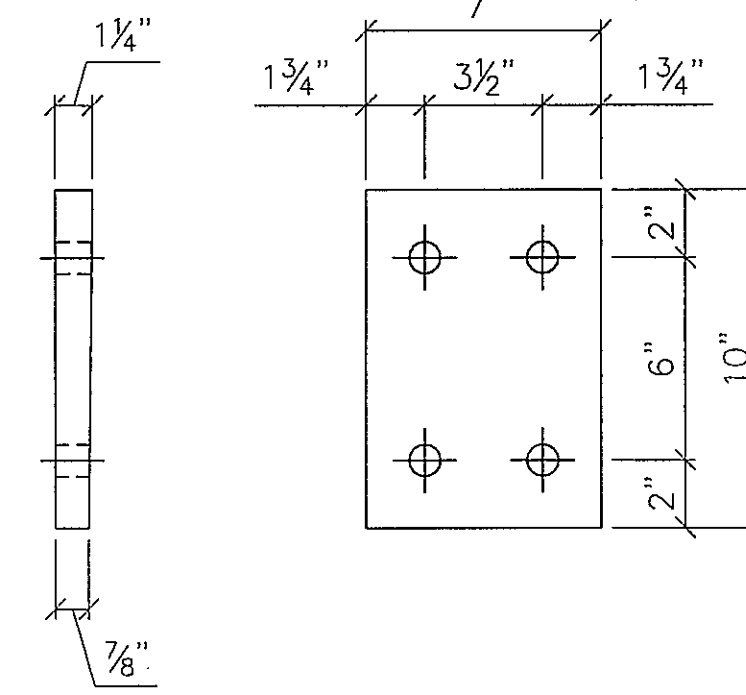




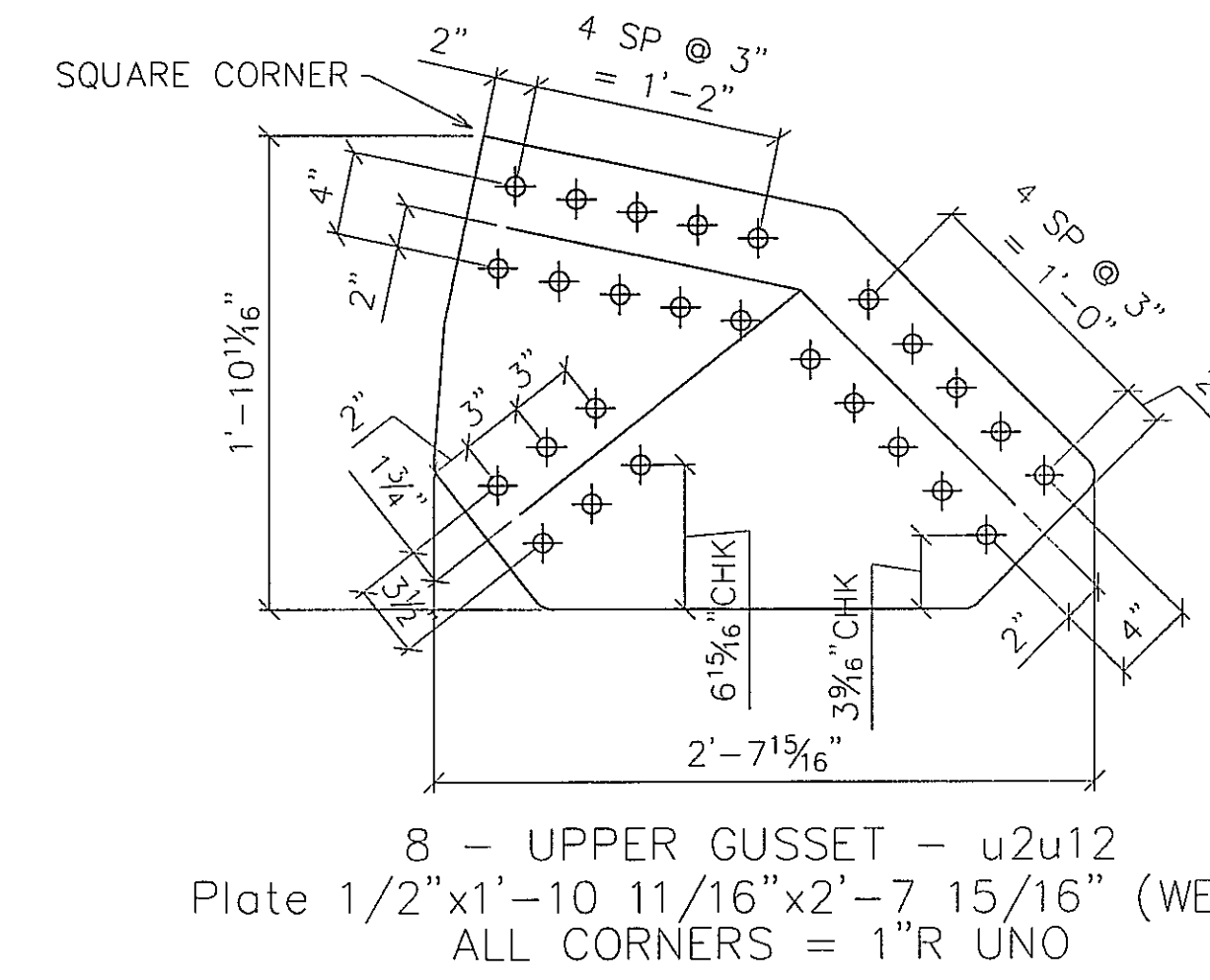
24 - LATERAL ROD PLATE - lrp1  
Plate 3/4"x6" (10") GALV



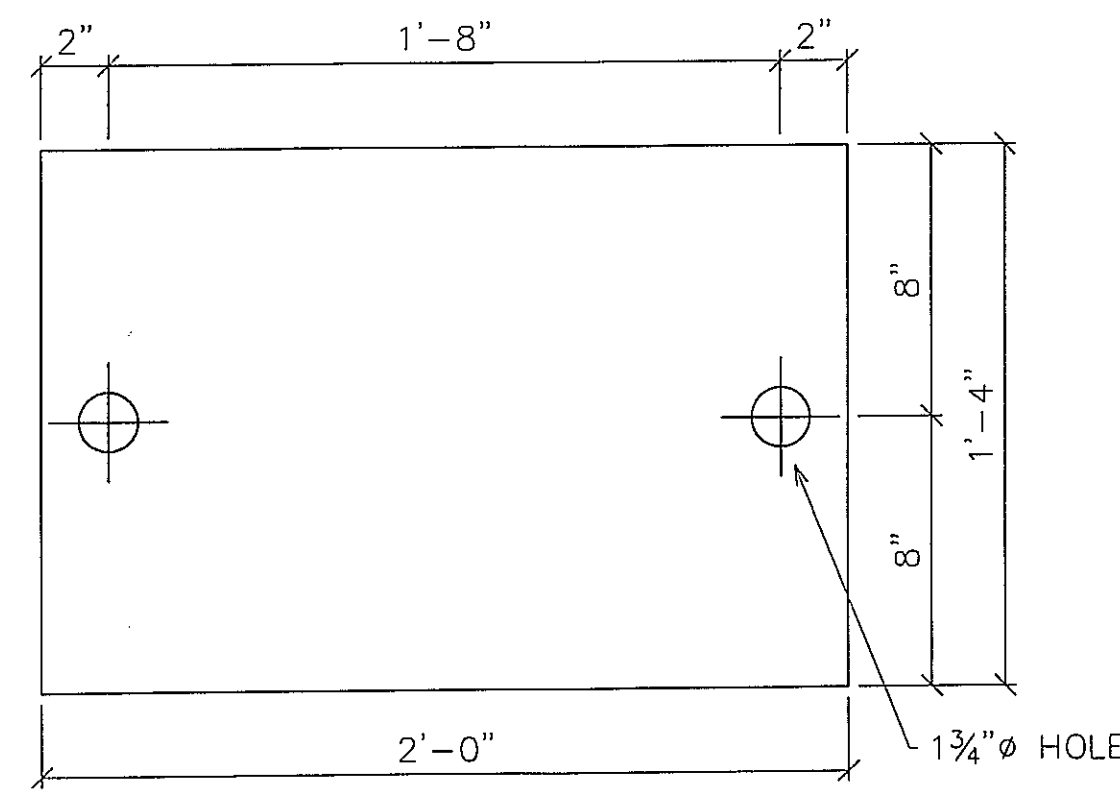
10 - SHIM PLATE - shp1  
Plate 1/2"x3 1/2" (10") GALV



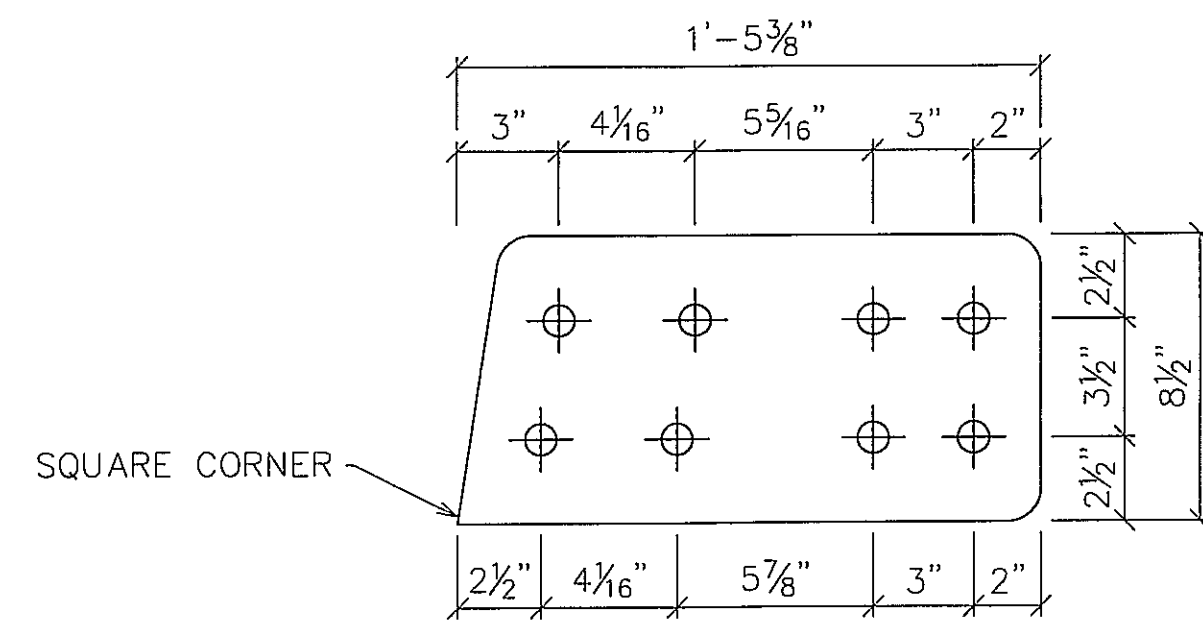
8 - STRINGER PLATE - strp1  
Plate 1 3/8"x10" (7") GALV



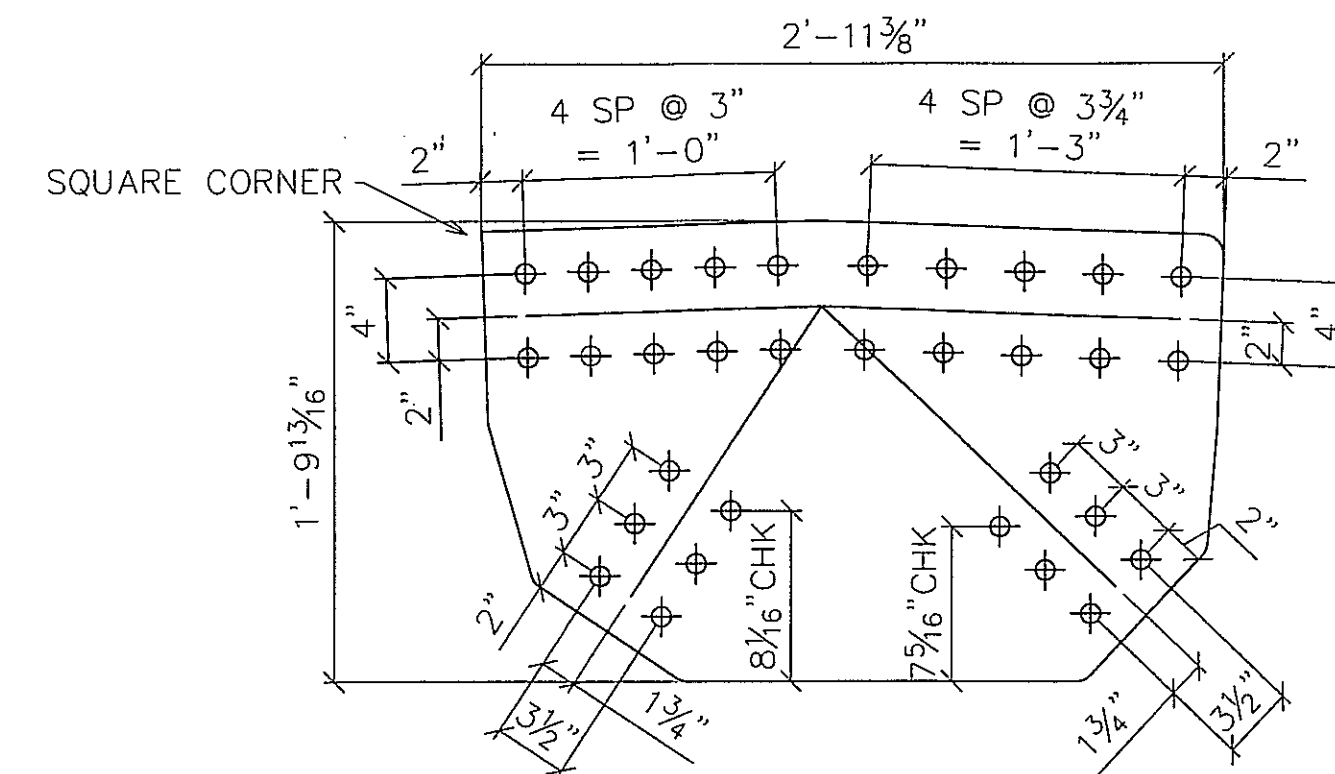
8 - UPPER GUSSET - u2u12  
Plate 1/2"x1'-10 11/16"x2'-7 15/16" (WEATH)  
ALL CORNERS = 1"R UNO



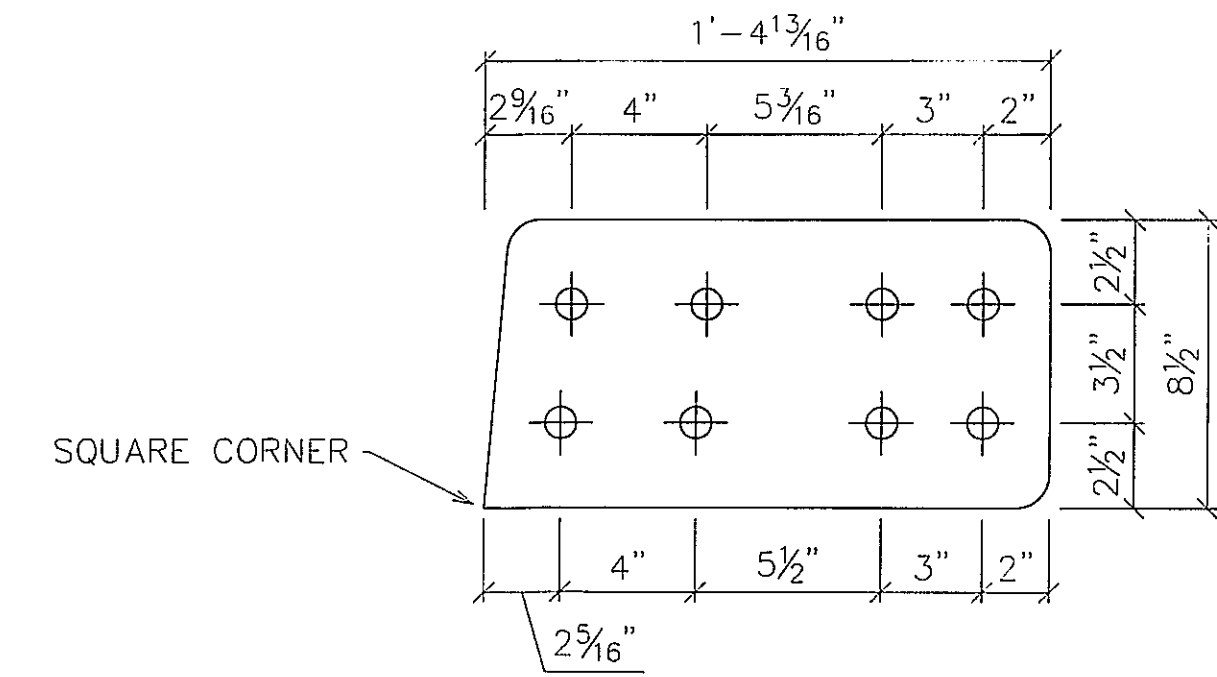
4 - MASONRY PLATE - mp 1  
Plate 1"x1'-4" (2'-0") GALV



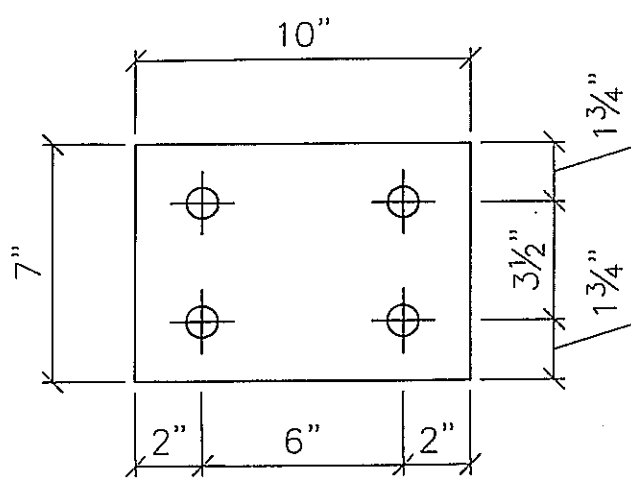
8 - UPPER GUSSET - u3u11  
Plate 1/2"x8 1/2" (1'-5 3/8") WEATH  
ALL CORNERS = 1"R UNO



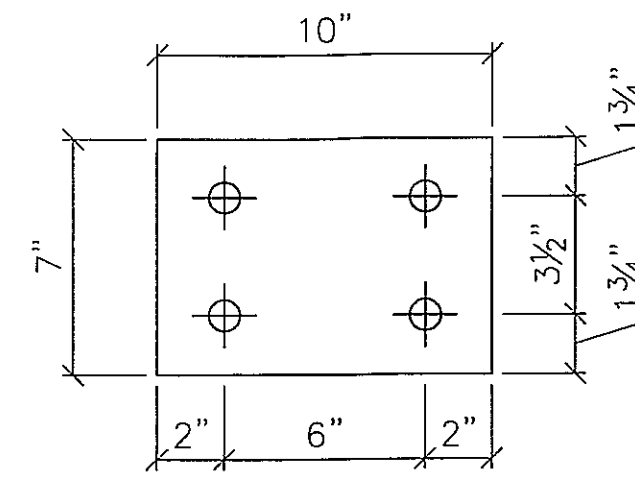
8 - UPPER GUSSET - u4u10  
Plate 1/2"x1'-9 27/32"x2'-11 3/8" (WEATH)  
ALL CORNERS = 1"R UNO



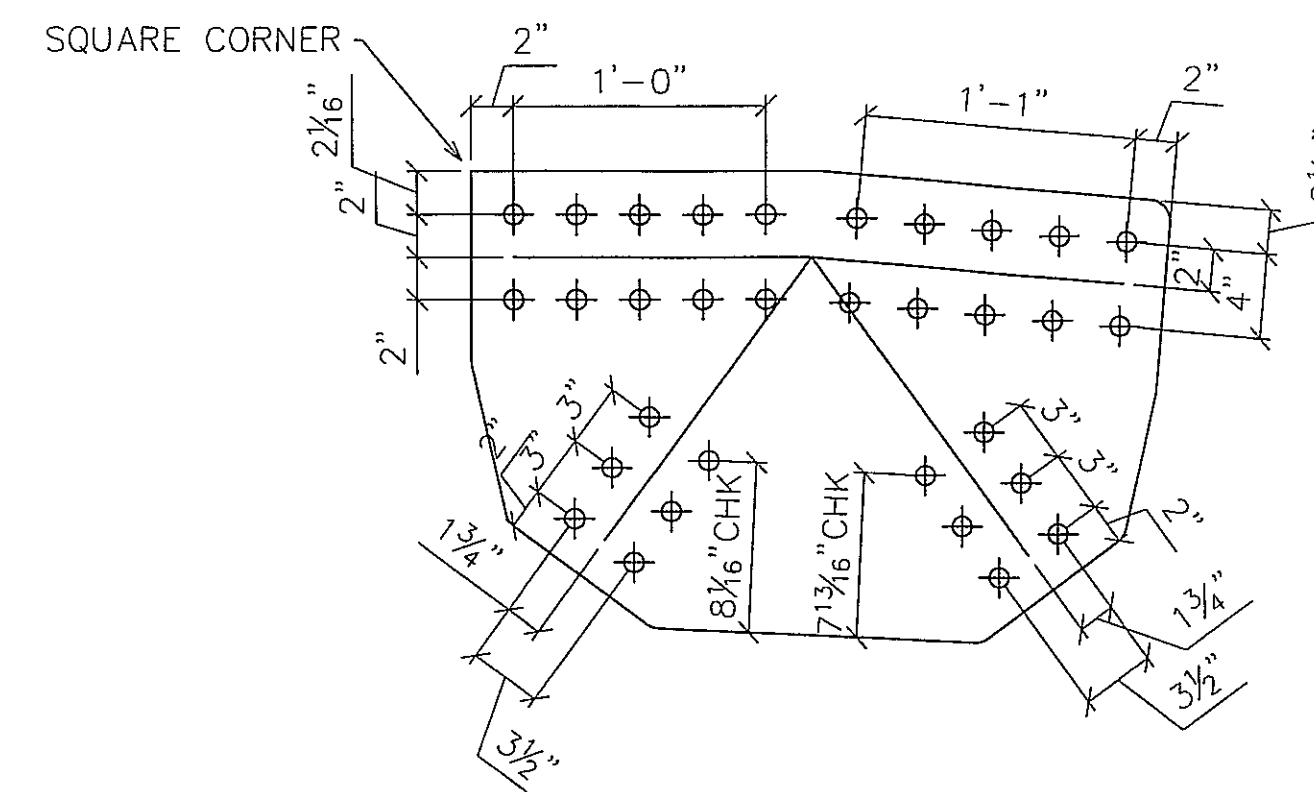
8 - UPPER GUSSET - u5u9  
Plate 1/2"x8 1/2"x1'-4 13/16" (WEATH)  
ALL CORNERS = 1"R UNO



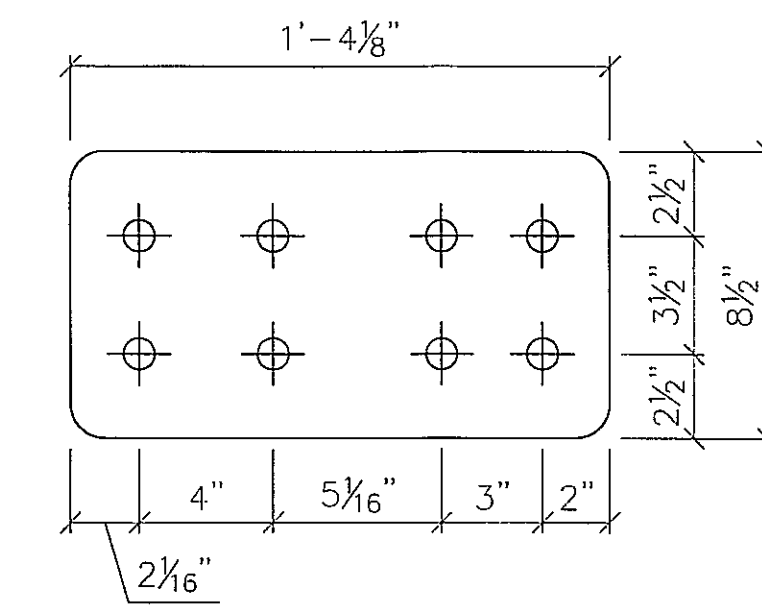
8 - STRINGER PLATE - strp 2  
Plate 3/4"x7" (10") GALV



8 - STRINGER PLATE - strp 3  
Plate 1/4"x7" (10") BRONZE



8 - UPPER GUSSET - u6u8  
Plate 1/2"x1'-10 11/32"x2'-9 3/8" (WEATH)  
ALL CORNERS = 1"R UNO



4 - UPPER GUSSET - u7  
Plate 1/2"x8 1/2"x1'-4 1/8" (WEATH)  
ALL CORNERS = 1"R UNO

1 1/8" Ø HOLES UNO

**FINAL**  
APPROVED FOR FABRICATION  
8/26/11

**SYMBOLS & ABBREVIATIONS**

ES: EACH SIDE	NS: NEAR SIDE
EQ: EQUAL	FS: FAR SIDE
CL: CENTERLINE	WP/⊕: WORK POINT
REF: REFERENCE	GA: GAUGE
CHK: CHECK	ID: INSIDE DIAMETER
OD: OUT TO OUT	OD: OUTSIDE DIAMETER
C/C: CENTER TO CENTER	BRG: BEARING
F/F: FACE TO FACE	UNO: UNLESS NOTED OTHERWISE
DIA/∅: DIAMETER	ABUT: ABUTMENT
R: RADIUS	T&B: TOP & BOTTOM

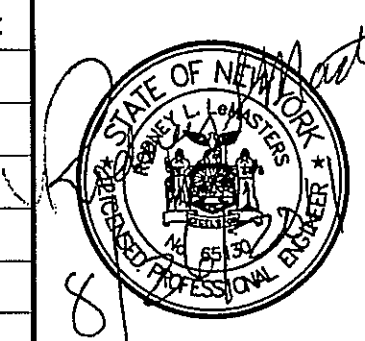
DIST. BY:



FAB. BY:



SUBMITTAL LOG	DATE	NO:	DATE:	REVISIONS:	BY:
INITIAL SUBMITTAL	7/29/11	▲			
RESUBMITTAL NO. 2	8/26/11	▲			
CUSTOMER APPROVAL	-	▲			
SHOP REVIEW	-	▲			
PRE FAB MTG	-	▲			
APPROVED FOR FAB	-	▲			

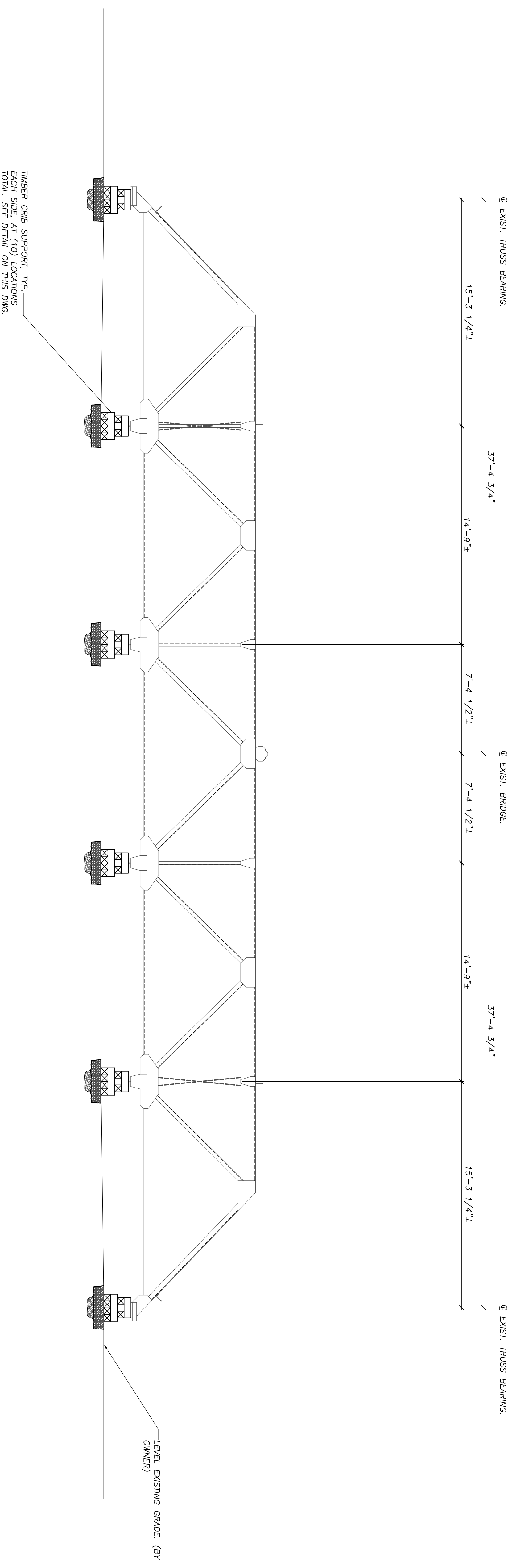


OTIS LANE BRIDGE  
OVER BOQUET RIVER  
ESSEX COUNTY, NY

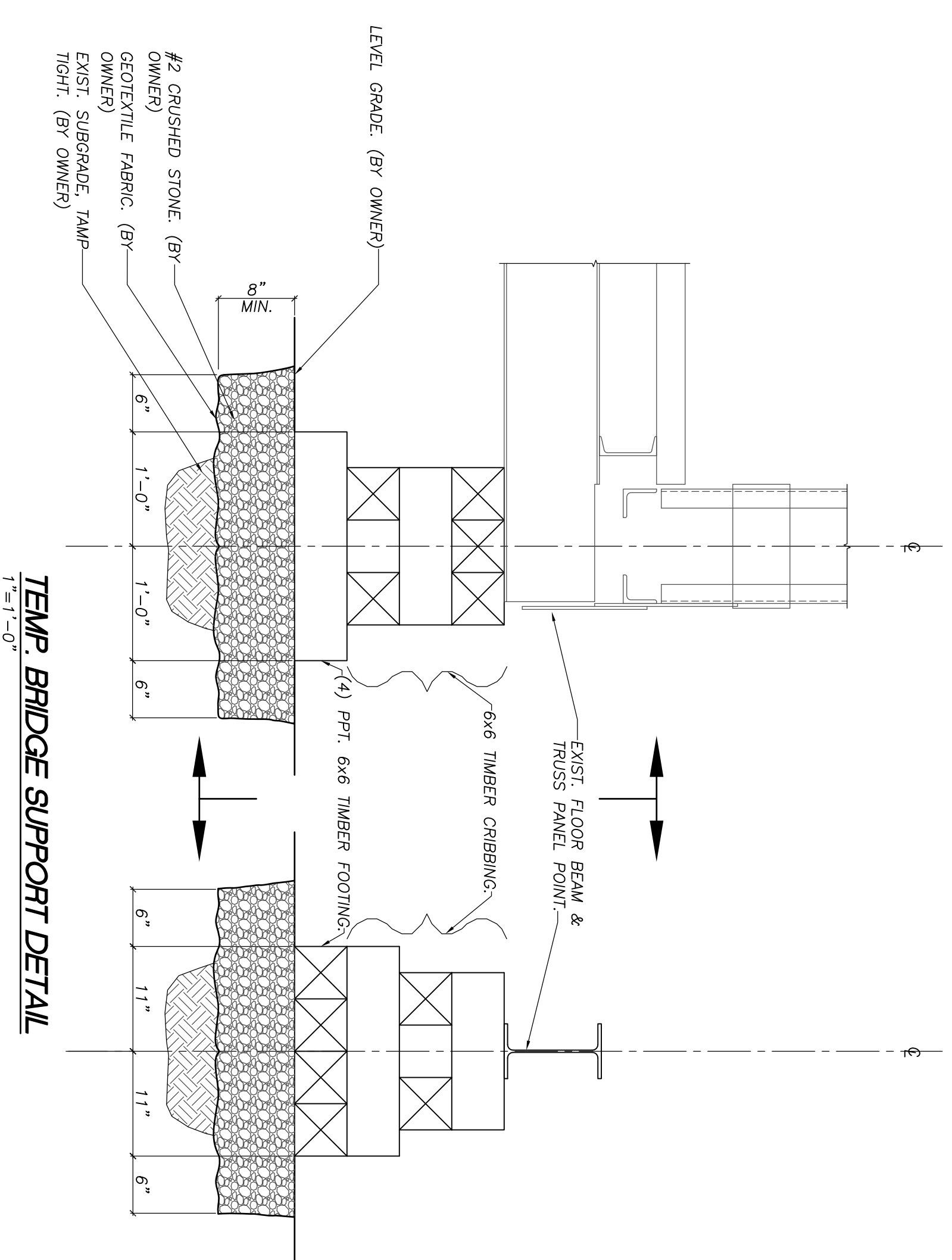
ITEM NO.:  
PROJECT NO.: 09-117.13A  
REFERENCE NO.: REF NO  
BRIDGE NO.: 3301650  
STRUCTURAL FILE NO.:

DESIGN: SAF	DRAW: CRM/AEC	REVIEW: RLL	CHECK: CLG
SHOP DETAILS		PLATES	
USB JOB# 50515		SHEET 12b	
		20 TOTAL	





**TEMP SUPPORT: BRIDGE ELEVATION**  
1/4"=1'-0"



REV.	DATE	DESCRIPTION
0	11/02/12	ISSUED FOR BID & CONST.



QUALIFIED ALTERATION OR ADDITION TO THIS DRAWING IS UNLAWFUL WITHOUT SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

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Queensbury, New York 12804  
(518) 761-0417, FAX: (518) 761-0513

SCALE: AS NOTED DRAWN BY: JVL  
DATE: 11/02/12 ENG. BY: TCB  
PROJ. NO: 12-474.11 CHK'D BY: CBS  
CLIENT NAME: ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS  
Elizabethtown, N.Y.

DRAWING TITLE: OTIS LANE BRIDGE REMOVAL ELEVATIONS  
TEMPORARY SUPPORT

DRAWING NO. R-2  
SHEET 2 OF 2  
REV. 0