

ASTM DESIGNATION
AISC COLOR CODE
AFCO PIECE MARK SUFFIX

A36-NONE
A242-BLUE (A)
A441-YELLOW (D)
A588-BLUE & YELLOW (C)
A283 (GRADE D)
ORANGE (B)
A514-RED (F)
A529-BLACK (H)
A572 (GRADE 42)
GREEN & WHITE (K)
A572 (GRADE 45)
GREEN & BLACK (M)
A572 (GRADE 50)
GREEN & WHITE (K)
A572 (GRADE 50)
GREEN & YELLOW (P)
A572 (GRADE 55)
GREEN & BROWN (SS)
A572 (GRADE 60)
GREEN & GRAY (T)
A572 (GRADE 65)
GREEN & BLUE (WW)

WELDING
SYMBOLS

WELD SIZE
LINEAL INCHES OF WELD
NOTE
C.C. DIM
LENGTH EACH WELD

ROOT OPENING
3/16
30°
GROOVE ANGLE
FULL PENETRATION-W/BACKING BAR

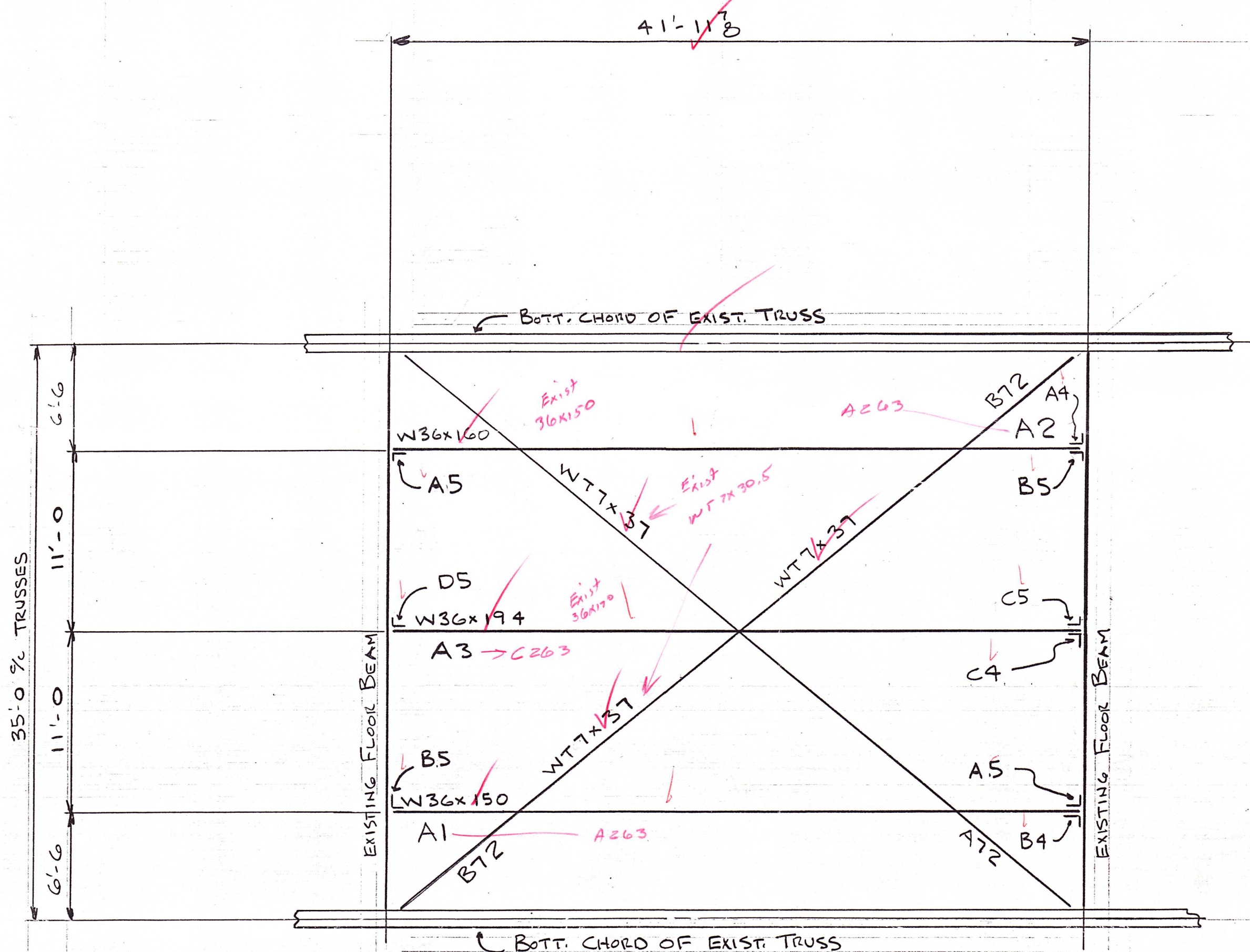
BACKGROUSE
ROOT OPENING
45°
GROOVE ANGLE
FULL PENETRATION-W/BACKGROUSE

DEPTH OF BEVEL
EFFECTIVE THROAT
ROOT OPENING
3/4 (5/8)
0
GROOVE ANGLE
PARTIAL PENETRATION

NOTE ON DOUBLE MEMBERS
WHERE F.B. MEMBER IS NOT
SHOWN, WELD SAME AS N.S.
MEMBER NOTED.

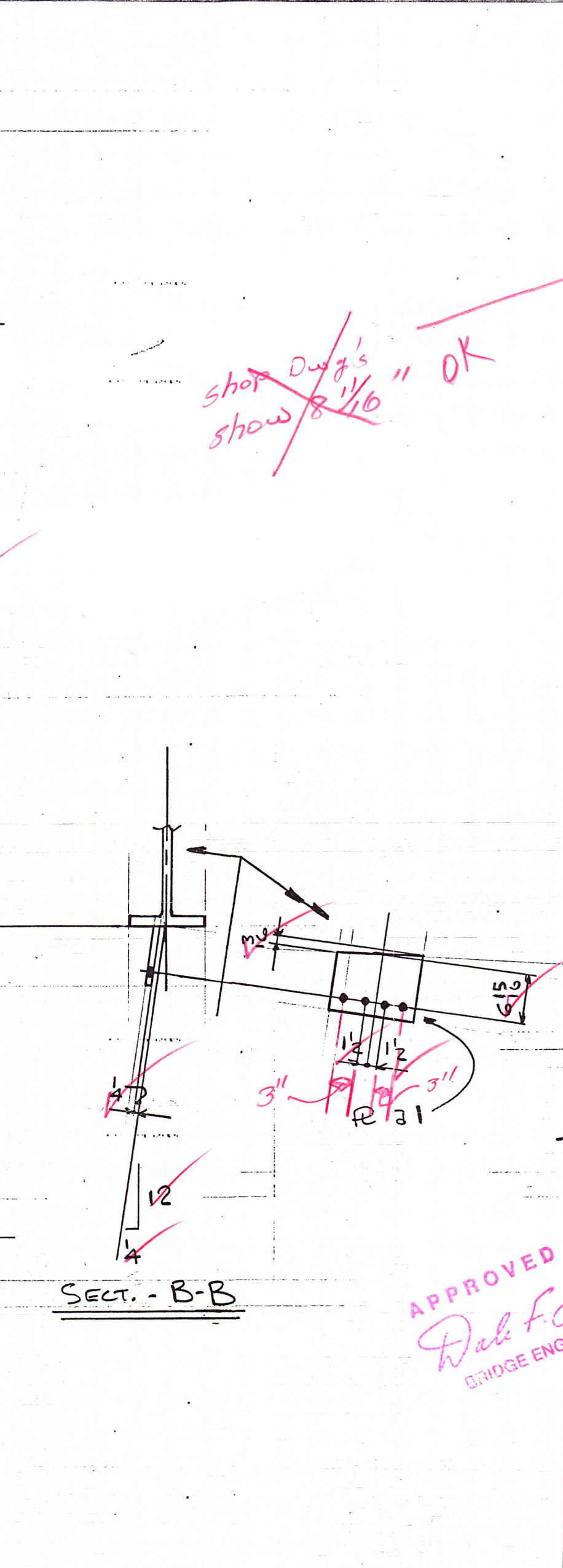
FIELD WELD

ASE-003 10/89



APPROVED BY
Walt F. Joe
BRIDGE ENGINEER

REV. NO.	0	DATE	7-18-97	REVISION DESCRIPTION		BY	RS	APP'L		SHOP		FIELD	
DESCRIPTION				ERECTION PLAN		SQUAD NOERNBERG							
REF. DWG.						CUSTOMER P.O. NO.							
AFCO STEEL 1423 East Sixth Street / Post Office Box 231 / Area Code 501-340-8200 / Little Rock, Arkansas 72203													
BOLTS	N/A	EXC. NOTED		CUSTOMER	AHTD	DRAWING NO.		E1					
HOLES		EXC. NOTED		JOB TITLE	REPAIR OF DAMAGED AREA	CONTRACT NO.		622					
END DIST.		EXC. NOTED		STRUCTURE	MISSISSIPPI RIVER BRIDGE								
CLEAN SPEC.				LOCATION	HELENA, AR								
PAINT				ARCH OR ENGR.	AHTD								
DRAWN	RS	DATE	7-18-97	CHKD.									
DRY MIL THICKNESS				STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. ERECTOR QTY AS REQUIRED.				PAINT PIECE MARK TO READ RIGHT SIDE UP ON LEFT END OF PIECE. ERECT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & RIGHT SIDE UP.					
ELECTRODE CLASS													



PAINT NOTES:
PRIMER: CARBOLINE CZ11, 3 MILS DMT.
2ND. COAT: CARBOLINE 890 EPOXY 2 MILS DMT.
TOP COAT: CARBOLINE 133 HB ALUMINUM URETHANE
3 MILS DMT.

ASTM DESIGNATION
AISC COLOR CODE
AFCO WELD MARK SUFFIX

A242-BLUE (A)
A441-YELLOW (D)
A36-NONE

A283 (GRADE D)
ORANGE (B)
A588
BLUE & YELLOW (C)

A514-RED (F)

A572 (GRADE 42)
GREEN & WHITE (H)
A572 (GRADE 45)
GREEN & BLACK (M)

A572 (GRADE 50)
GREEN & YELLOW (P)
A572 (GRADE 55)
GREEN & BROWN (SS)

A572 (GRADE 60)
GREEN & GRAY (T)
A572 (GRADE 65)
GREEN & BLUE (WW)

WELDING SYMBOLS

WELD SIZE
LINEAL INCHES OF WELD
NOTE
C.C. DIM.
LENGTH EACH WELD

ROOT OPENING
3/8"
30°
GROOVE ANGLE
FULL PENETRATION-W/BACKING BAR

BACKGROUSE
ROOT OPENING
45°
GROOVE ANGLE
FULL PENETRATION-W/BACKGROUSE

DEPTH OF BEVEL
EFFECTIVE THROAT
ROOT OPENING
3/4" (5/8)"
0°
45°
GROOVE ANGLE
PARTIAL PENETRATION

DEPTH OF BEVEL
EFFECTIVE THROAT
ROOT OPENING
3/4" (5/8)"
0°
45°
GROOVE ANGLE
PARTIAL PENETRATION

NOTE ON DOUBLE MEMBERS
WHERE F.S. MEMBER IS NOT
SHOWN, WELD SAME AS N.S.
MEMBER NOTED.

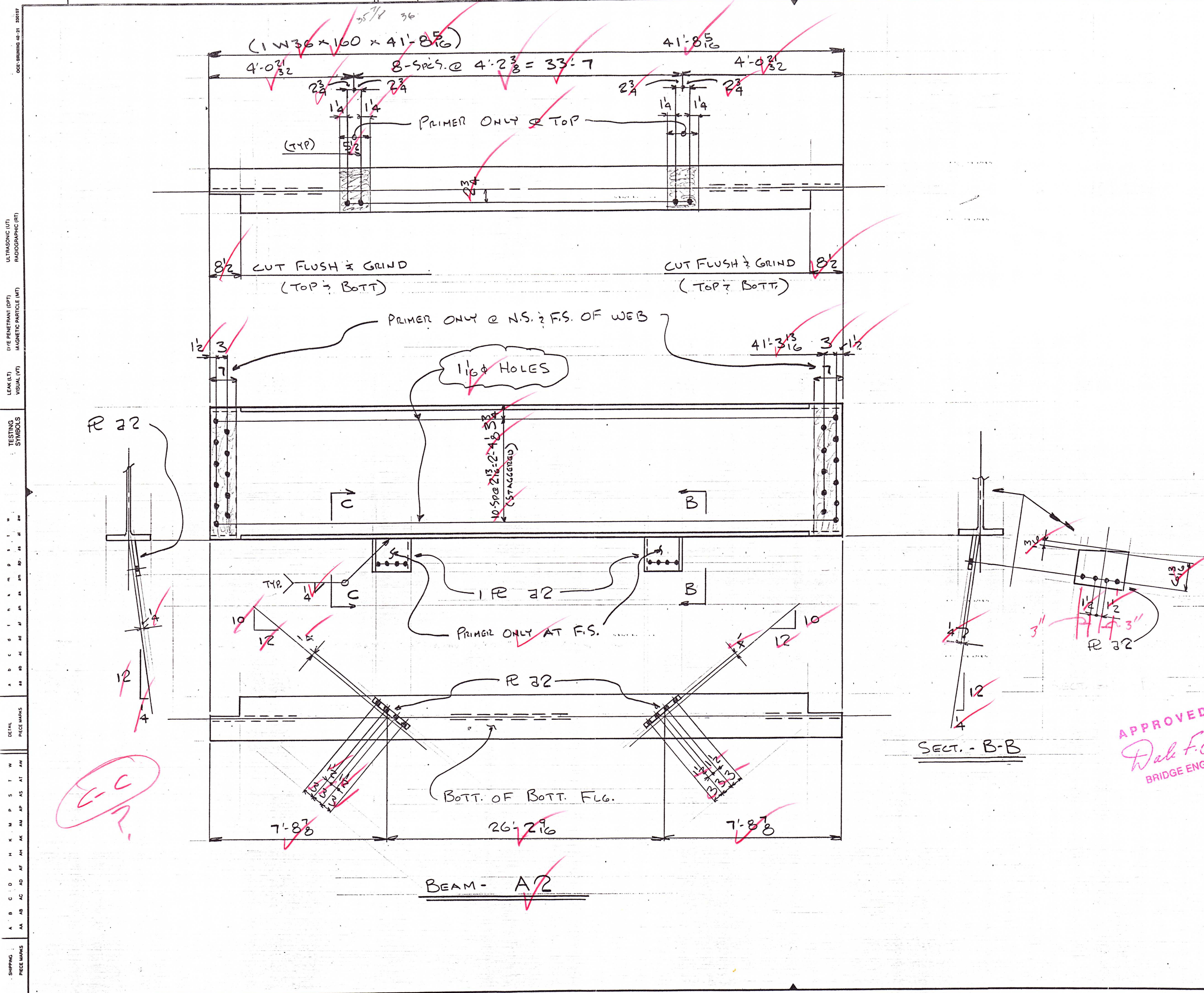
FIELD WELD

ASE-001
DRAWING NO. 2
CONTRACT NO. 622

BILL OF MATERIALS

SHOP ORDER NUMBER 167-622
SHOP S

LINE	QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	ORDER ITEM	REMARKS
1	1	BEAM		A2		
2	1	W36x160	41' 8 1/2"		10P303-503	
3	2	R 12x8 1/2	1' 0 1/2"	32		
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PAINT NOTES:
PRIMER: CARBOLINE CZ11, 3 MILS. DMT.
2ND. COAT: CARBOLINE 890 EPOXY 2 MILS. DMT.
TOP COAT: CARBOLINE 133 HB ALUMINUM URETHANE 3 MILS. DMT.

APPROVED BY
Wade F. C...
BRIDGE ENGINEER

REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPL.	SHOP	FIELD
0	7-18-97						

DESCRIPTION W36 BM
REF. DWG. AFCO E1

AFCO STEEL
1423 East Sixth Street / Post Office Box 231 / Area Code 501-372-0281 / Little Rock, Arkansas 72203

BOLTS	EXC. NOTED	CUSTOMER	DRAWING NO.
7/8\"		AHTD	2

HOLES	EXC. NOTED	JOB TITLE	CONTRACT NO.
1 1/2\"		AHTD Job No. 110319	622

END DIST.	EXC. NOTED	STRUCTURE	LOCATION
13'		HELENA BRIDGE REPAIR	HELENA, AR

CLEAN SPEC.	EXC. NOTED	LOCATION	DATE
SSPLSP10			7-18-97

PAINT	ARCH OR ENGR.	DATE	CHKD.
SEE NOTES	AHTD		

DRY MIL THICKNESS	DATE	DATE
	RS	7-18-97

ELECTRODE CLASS E70 L6-HY

STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE.
ERECTOR GUY AS REQUIRED.

PAINT PRICE MARK TO READ RIGHT SIDE UP ON LEFT
END OF PIECE. ERECT WITH MARK AT SAME END AS
SHOWN ON ERECTION PLAN & RIGHT SIDE UP.

ASTM DESIGNATION
AFCO COLOR CODE
AFCO PIECE MARK SUFFIX

A242-BLUE (A)
A30-NONE
A441-YELLOW (D)
A508-BLUE & YELLOW (C)
A514-RED (F)
A572 (GRADE 43)
GREEN & WHITE (K)
A572 (GRADE 43)
GREEN & BLACK (M)
A572 (GRADE 50)
GREEN & YELLOW (P)
A572 (GRADE 50)
GREEN & BROWN (SS)
A572 (GRADE 50)
GREEN & BLUE (WW)

WELDING
SYMBOLS

WELD SIZE
LINEAL INCHES OF WELD
NOTE
C.C. DIM
LENGTH EACH WELD

ROOT OPENING
GROOVE ANGLE
FULL PENETRATION-W/BACKING BAR

BACKGROUSE
ROOT OPENING
GROOVE ANGLE
FULL PENETRATION-W/BACKGROUSE

BEVEL
EFFECTIVE THROAT
ROOT OPENING
GROOVE ANGLE
PARTIAL PENETRATION

NOTE ON DOUBLE MEMBERS
WHERE F.S. MEMBER IS NOT
SHOWN, WELD SAME AS H.S.
MEMBER NOTED.

FIELD WELD

ASE-001
DRAWING NO. 3
CONTRACT NO. 622
BILL OF MATERIALS
SHOP ORDER NUMBER 167-622
SHOP S

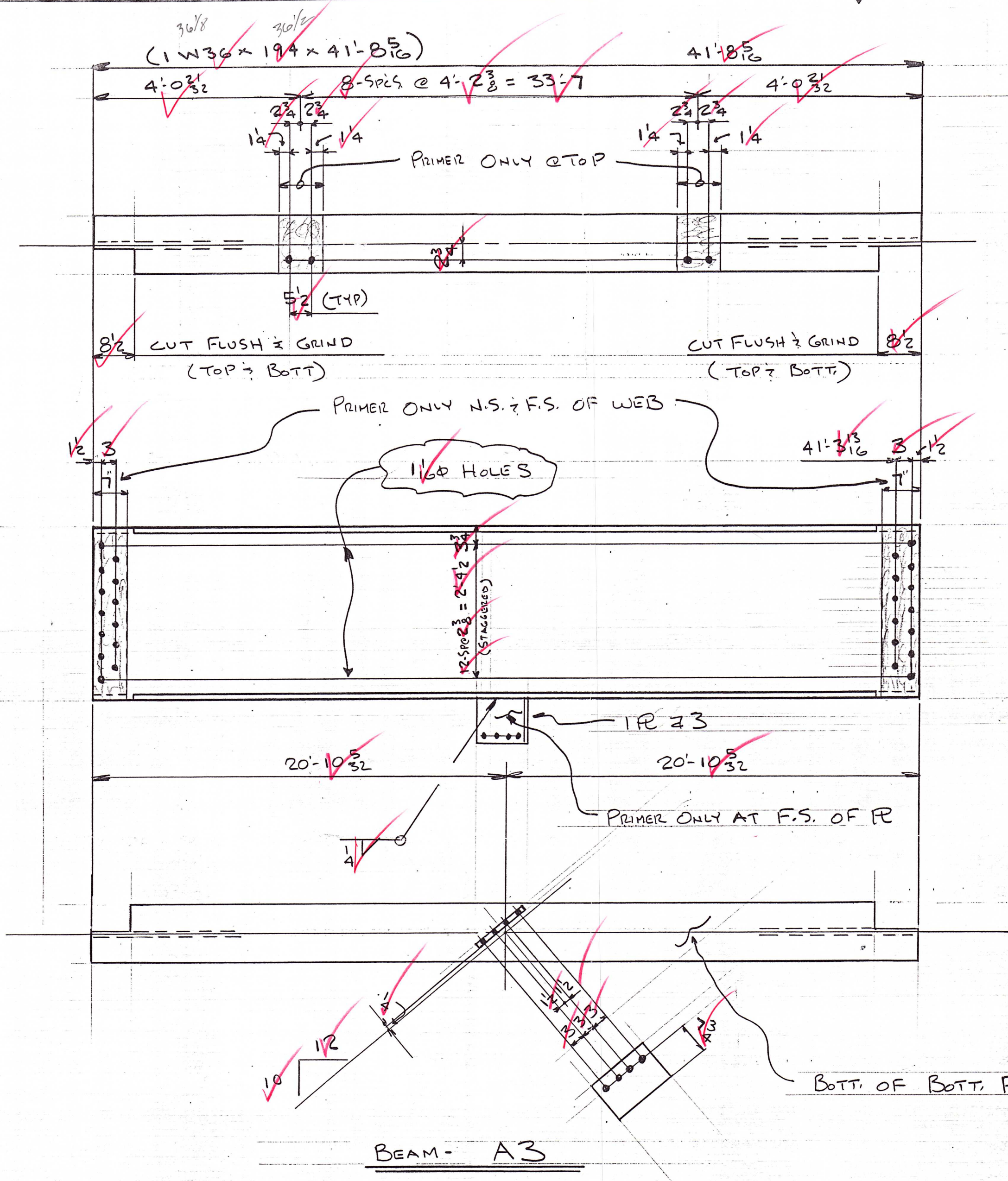
LINE	QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	ORDER ITEM	REMARKS
1	1	BEAM		A 3		
2	1	W36x194	41'-8 5/16"		2P503-522	
3	1	R 12x9 1/2	1'-0 1/2"	A 3		
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PAINT NOTES:
PRIMER: CARBOLINE CZ11, 3MILS. DMT.
2ND. COAT: CARBOLINE 890 EPOXY 2 MILS. DMT.
TOP COAT: CARBOLINE 133 HB ALUMINUM URETHANE
3 MILS. DMT.

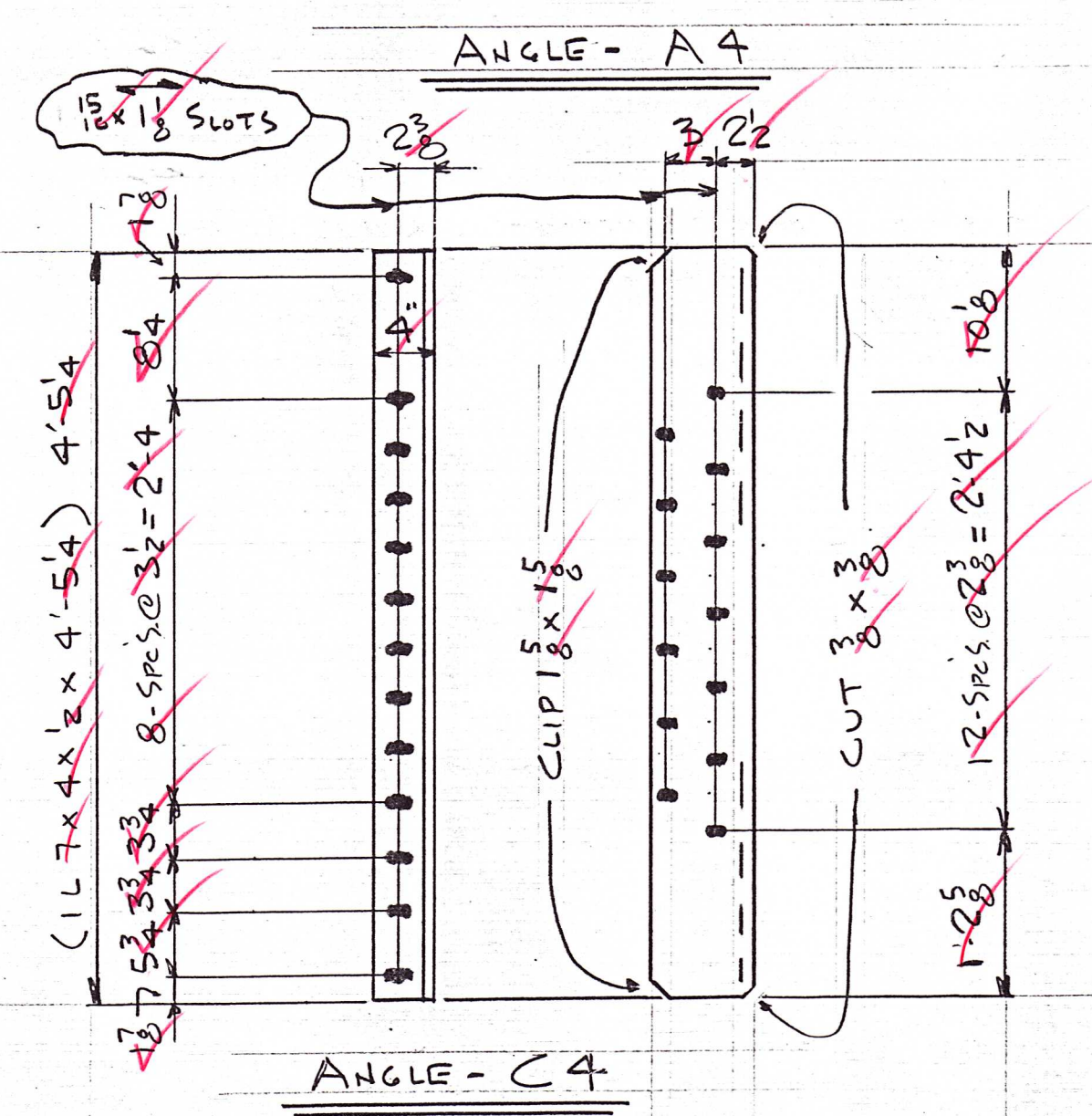
APPROVED BY
Dale F. O'Brien
BRIDGE ENGINEER

REV. NO. 0 DATE 7-18-97
DESCRIPTION W36 BM.
REF. DWG. AFCO E1
SQUAD NOERNBERG
CUSTOMER P.O. NO.
AFCO STEEL
1423 East Sixth Street / Post Office Box 231 / Area Code 501-372-6201 / Little Rock, Arkansas 72203
BOLTS 15x6 EXC. NOTED
HOLES 15x6 EXC. NOTED
END DIST. 134 EXC. NOTED
CLEAN SPEC SSPC SP10
PAINT SEE NOTES
DRY MIL THICKNESS
ELECTRODE CLASS E70L6-HY
CUSTOMER AHTD
JOB TITLE AHTD JOB No. 110319
STRUCTURE HELENA BRIDGE REPAIR
LOCATION HELENA, AR.
ARCH OR ENGR. AHTD
DRAWN RS DATE 7-18-97
CHKD. DATE
STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE.
ELECTOR OUT AS REQUIRED.
DRAWING NO. 3
CONTRACT NO. 622
PART PRICE MAKE TO READ RIGHT SIDE UP ON LEFT
END OF PRICE. ERECT WITH MARK AT SAME END AS
SHOWN ON ERECTION PLAN & RIGHT SIDE UP.

ULTRASONIC (UT)
RADIOGRAPHIC (RT)
DYE PENETRANT (DPT)
MAGNETIC PARTICLE (MT)
LEAK (LT)
VISUAL (VT)
TESTING
SYMBOLS
DETAIL
PIECE MARKS
SHIPPING
PIECE MARKS



☒	☒						
☒	☒						
☒	☒						
☒	☒						
0	7-18-97						
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHECK	APPL	SHOP	FIELD
DESCRIPTION Loose ANGLES			SQUAD NOERNBERG				
REF. DWG. AFco E I			CUSTOMER P.O. NO.				
AFCO STEEL							
1425 East Sixth Street / Post Office Box 231 / Arma Code 501-372-6261 / Little Rock, Arkansas 72203							
BOLTS	JBA 325C	EXC NOTED	CUSTOMER	AHTD			DRAWING NO.
HOLES	AS	NOTED	JOB TITLE	AHTD JOB No. 110319			4
END DIST.	13A	EXC NOTED	STRUCTURE	REPAIR OF HELENA BRIDGE			CONTRACT NO. 622
CLEAN SPEC	SSPC SP10		LOCATION	HELENA, AR.			
PAINT	SEE NOTES		ARCH OR ENGR.	AHTD			
DRY MIL THICKNESS	↓		DRAWN	RS	DATE 7-18-97	CHECKD.	DATE
ELECTRODE CLASS E70 L6-HY	STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. DIRECTOR GUY AS REQUIRED.			PAINT PRICE MARK TO BE HIGHER SIDE UP ON LEFT END OF PIECE. EXACT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & BUILT SIDE UP.			



ASTM DESIGNATION
COLOR CODE
AFCO PIECE MARK SUFFIX

A36 NONE
A242-BLUE (A)
A441-YELLOW (D)
A283 (GRADE D)
ORANGE (B)
A588
BLUE & YELLOW (C)
A514-RED (F)
A529-BLACK (H)
A572 (GRADE 42)
GREEN & WHITE (K)
A572 (GRADE 45)
GREEN & BLACK (M)
A572 (GRADE 50)
GREEN & YELLOW (P)
A572 (GRADE 55)
GREEN & BROWN (SS)
A572 (GRADE 60)
GREEN & GRAY (T)
A572 (GRADE 65)
GREEN & BLUE (WW)

WELDING
SYMBOLS

LINEAL INCHES OF WELD
WELD SIZE
1/4 3/8 1/2 5/8 3/4 1 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ROOT OPENING
3/16 3/8 1/2 5/8 3/4 1 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BACKGROUSE
ROOT OPENING
3/16 3/8 1/2 5/8 3/4 1 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

DEPTH OF
BEVEL
3/4 (5/8)
EFFECTIVE
THROAT
ROOT OPENING
3/16 3/8 1/2 5/8 3/4 1 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

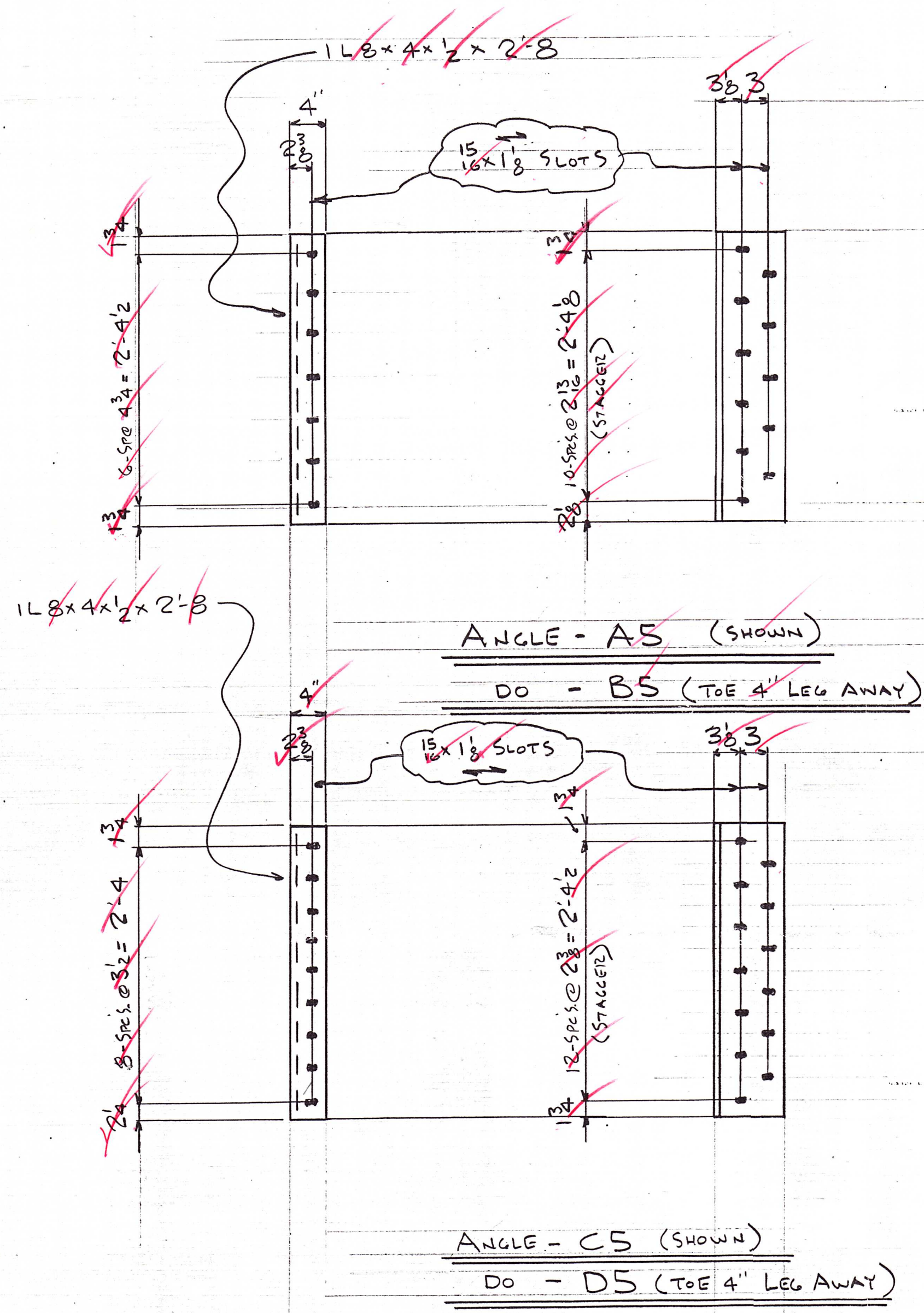
NOTE ON DOUBLE MEMBERS
WHERE F.S. MEMBER IS NOT
SHOWN, WELD SAME AS N.S.
MEMBER NOTED.

FIELD WELD

AFCO STEEL
1423 East Sixth Street
Post Office Box 231
Area Code 501-372-6261
Little Rock, Arkansas 72203

BILL OF MATERIALS
SHOP ORDER
NUMBER 109-622
SHOP T
DRAWING NO. 5
CONTRACT NO. 622

QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	ORDER ITEM	REMARKS
2	ANGLES		AS		
2	L8x4x1/2	28			
2	ANGLES		BS		
2	L8x4x1/2	28			
1	ANGLE		CS		
1	L8x4x1/2	28			
1	ANGLE		DS		
1	L8x4x1/2	28			



PAINT NOTES: (PRIMER ONLY)
PRIMER: CARBOLINE CZ11, 3MILS DMT.
~~FOR COATING CARBOLINE CZ11, 3MILS DMT.~~

APPROVED BY
Wade
BRIDGE ENGINEER

REV. NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPL.	SHOP	FIELD
0	7-18-97						
DESCRIPTION		LOOSE ANGLES					
REF. DWG.		AFCO E1					
SQUAD		NOERNBERG					
CUSTOMER		AHTD					
JOB TITLE		AHTD JOB NO. 110 319					
STRUCTURE		REPAIR OF HELGNA BRIDGE					
LOCATION		HELENA, AR.					
ARCH OR ENGR.		AHTD					
DRAWN		RS		DATE		7-18-97	
CHKD.				DATE			
DRY MIL THICKNESS		6		STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. SPECTOR BUY AS REQUIRED.		PAINT PRICE MARK TO READ RIGHT SIDE UP ON LEFT END OF PIECE. ERECT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & RIGHT SIDE UP.	
ELECTRODE CLASS		E70 L6-HY					

☐ ☐ ☐ ☐	Joe E. FINKNER		☐ ☐ ☐ ☐	
0	7-18-97	~	☒	
REV. NO.	DATE	REVISION DESCRIPTION	BY	APPL.
			JDM	SHOP
				FIELD
WT BRACING			SQUAD NOERNBERG	
REF DWG. AFCE EI			CUSTOMER P. O. NO.	
AFCE STEEL 1425 East Sixth Street / Post Office Box 231 / Area Code 501-372-6261 / Little Rock, Arkansas 72203				
BOLTS 7/8" A325G	EXC. NOTED	CUSTOMER AHTD		DRAWING NO.
HOLES 1 1/2"	EXC. NOTED	JOB TITLE AHTD JOB NO. 110 319		6
END. DIST. 134	EXC. NOTED	STRUCTURE REPAIR OF HELENA BRIDGE		
CLEAN SPEC SSPC-SP10	LOCATION	HELENA, AR.		
PAINT SPEC NOTES	ARCH OR ENGR.	AHTD		
☒	DRAWN RS	DATE 7-18-97	CHKD.	DATE
DRY MILL THICKNESS		STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. DIRECTOR OUT OF REQUIRED.		CONTRACT NO. 622
ELECTRODE CLASS ET0 Lo-HY		PAINT PRICE MARK TO READ RIGHT SIDE UP ON LEFT END OF PIECE. ERECT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & RIGHT SIDE UP.		

001-BUILDING 40-31 330197
RADIOGRAPHIC (RT)
MAGNETIC PARTICLE (MT)
VISUAL (VT)
SYMBOLS
PIECE MARKS

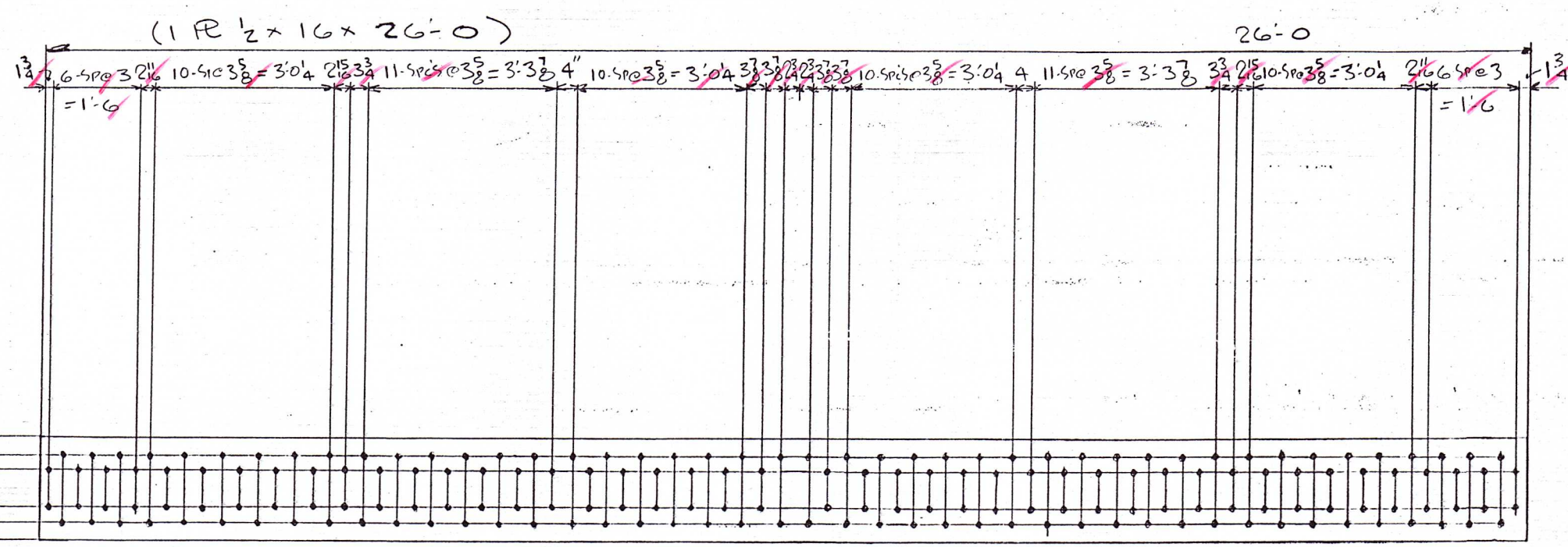


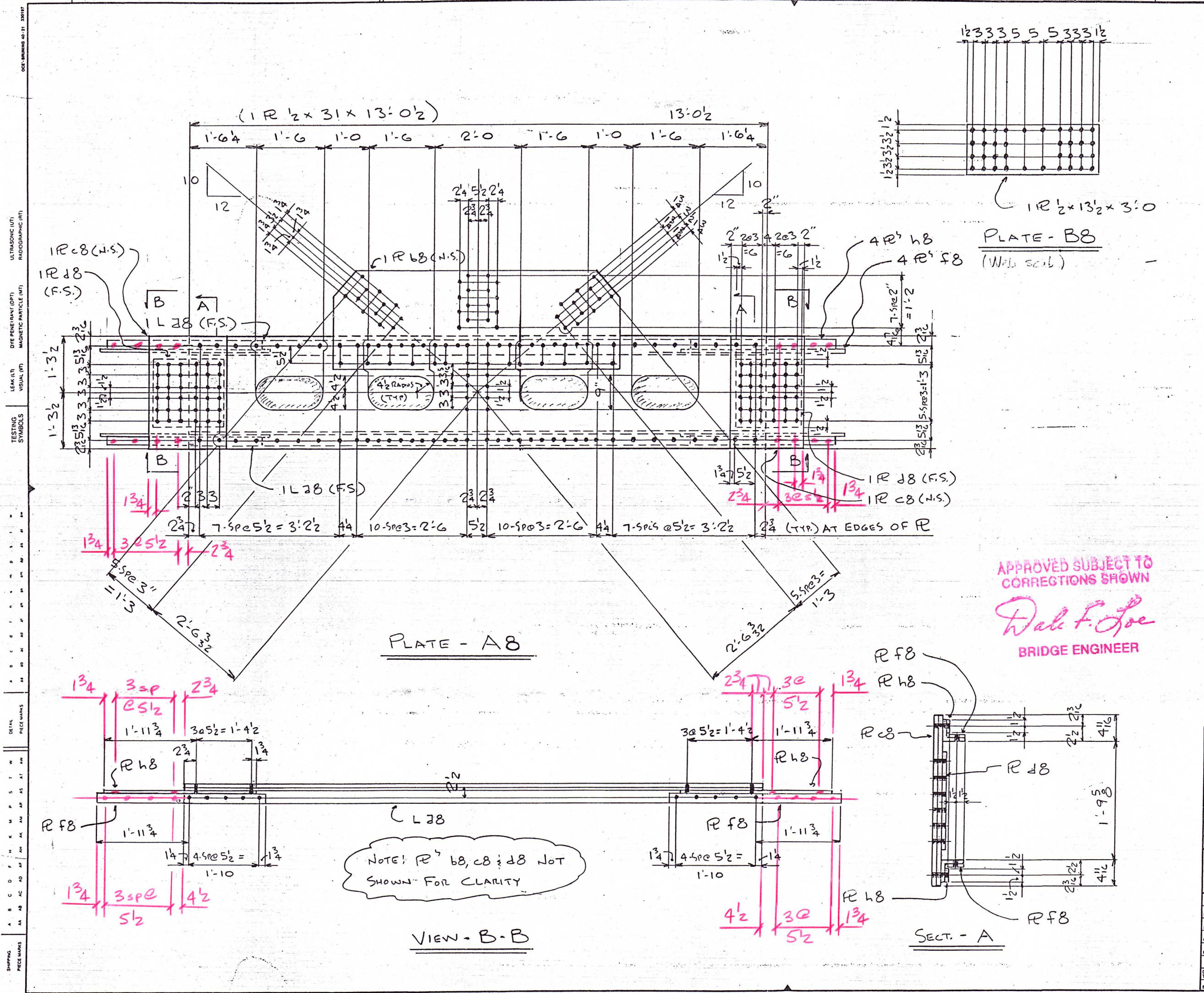
PLATE - A7

APPROVED BY
Wade F. Loe
BRIDGE ENGINEER

BILL OF MATERIALS		SHOP ORDER NUMBER 198-622		SHOP T		CONTRACT NO. 622	
LINE	QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	ORDER ITEM	REMARKS	
1	1	PLATE		A7			
2	1	1/2" x 16	26'0"		4P102		
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PAINT NOTES:
PRIMER: CARBOLINE CZ11, 3MILS DMT.
~~2ND COAT: CARBOLINE CZ11, 3MILS DMT.~~
~~TOP COAT: CARBOLINE CZ11, 3MILS DMT.~~

REV. NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPL.	SHOP	FIELD
0	7-18-97						
DESCRIPTION		COVER PLATE		SQUAD		NOERNBERG	
REF. DWG.		AFCO E1		CUSTOMER		P.O. NO.	
AFCO STEEL							
1423 East Sixth Street / Post Office Box 231 / Area Code 501-372-6261 / Little Rock, Arkansas 72203							
BOLTS		1/2" x 16		CUSTOMER		AHTD	
HOLES		1/2"		JOB TITLE		AHTD JOB NO. 110319	
END DIST.		1/2"		STRUCTURE		REPAIR OF HELENA BRIDGE	
CLEAN SPEC.		SSPC SP10		LOCATION		HELENA, AR	
PART		SEE NOTES		ARCH OR ENGR.		AHTD	
DRAWN		RS		DATE		7-18-97	
DRY MIL THICKNESS		↓		CHKD.		DATE	
ELECTRODE CLASS		E70L0-HY		STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. ERECTOR OUT AS REQUIRED.		PAINT PIECE MARK TO READ RIGHT SIDE UP ON LEFT END OF PIECE. ERECT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & RIGHT SIDE UP.	



APPROVED SUBJECT TO
CORRECTIONS SHOWN
Dale F. Joe
BRIDGE ENGINEER

LINE	QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	ORDER ITEM	REMARKS
1	2	PLATES		A8		
2	2	R 1/2 x 31	13 0 1/2			
3	4	L 4 x 4 x 3/8	13 0 1/2	28		
4	2	R 1/2 x 27 1/2	6 5/2	68		
5	4	R 1/2 x 20	2 7	68		
6	4	R 1/2 x 18	1 7	68		
7	8	R 1/2 x 3	3 11 1/2	68		
8	8	R 1/2 x 3	3 6	68		
9						
10						
11						
12	2	PLATES		B8		
13	2	R 1/2 x 13 1/2	3 0			
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0 7-18-97

DESCRIPTION PLATES AND ANGLES
REF. DWG. AFCE E1

AFCE STEEL
1423 East Sixth Street / Post Office Box 231 / Area Code 501-372-6261 / Little Rock, Arkansas 72203

BOLTS 7/8 x 3/4
HOLES 1 1/4
END DIST 134
CLEAN SPEC SSPC-SP10
PAINT CARBOLINE C211

CUSTOMER AHTD
JOB TITLE AHTD JOB NO. 110 319
STRUCTURE REPAIR OF HELGNA BRIDGE
LOCATION HELGNA, AR.
ARCH OR ENGR AHTD

DRAWN RS DATE 7-18-97
STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE.
ELECTRODE CLASS E70 L6-HY

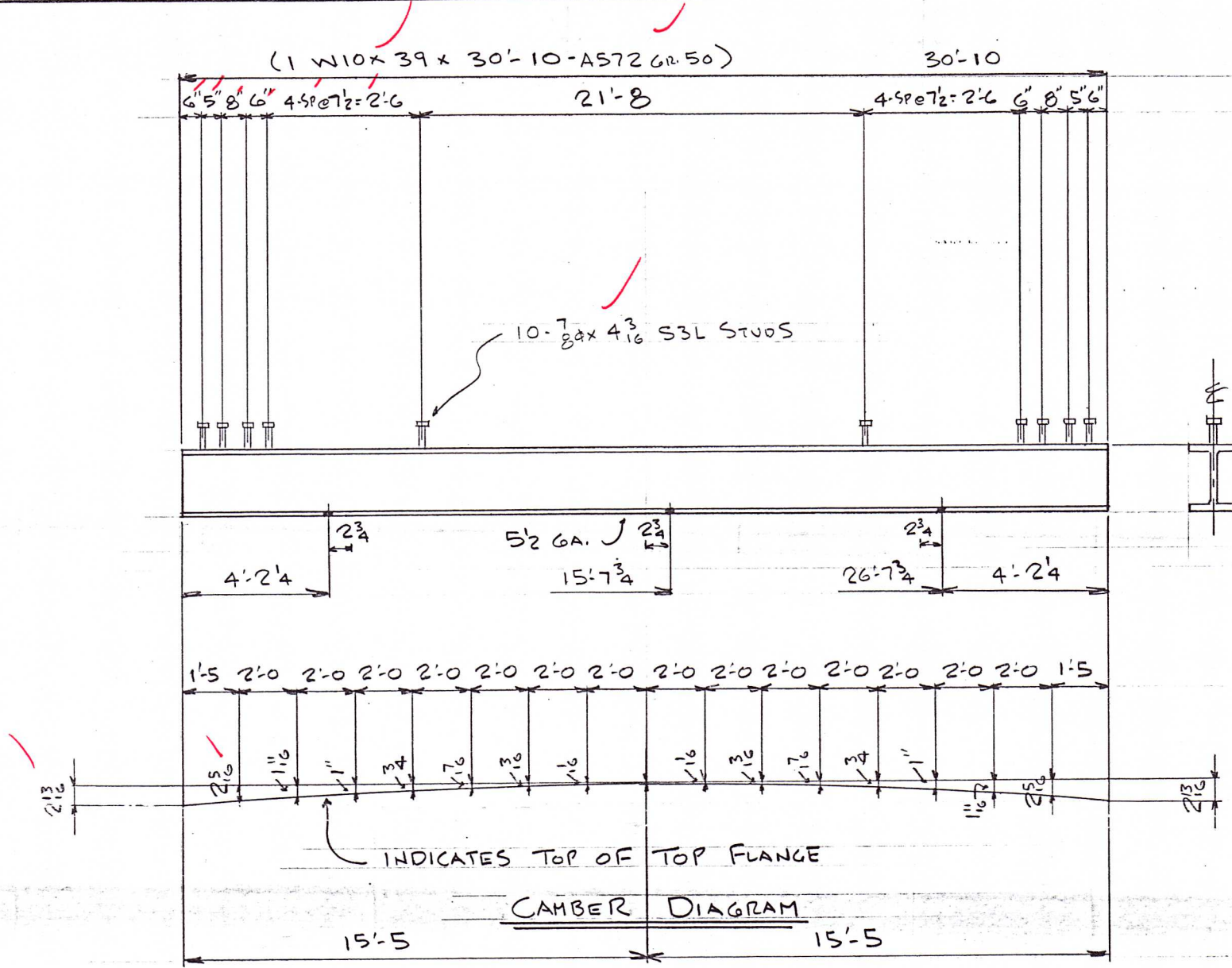
DRAWING NO. 8
CONTRACT NO. 622

PAINT PRICE MARK TO READ RIGHT SIDE UP ON LEFT
END OF PIECE. ERECT WITH MARK AT SAME END AS
SHOWN ON ERECTION PLAN & RIGHT SIDE UP.

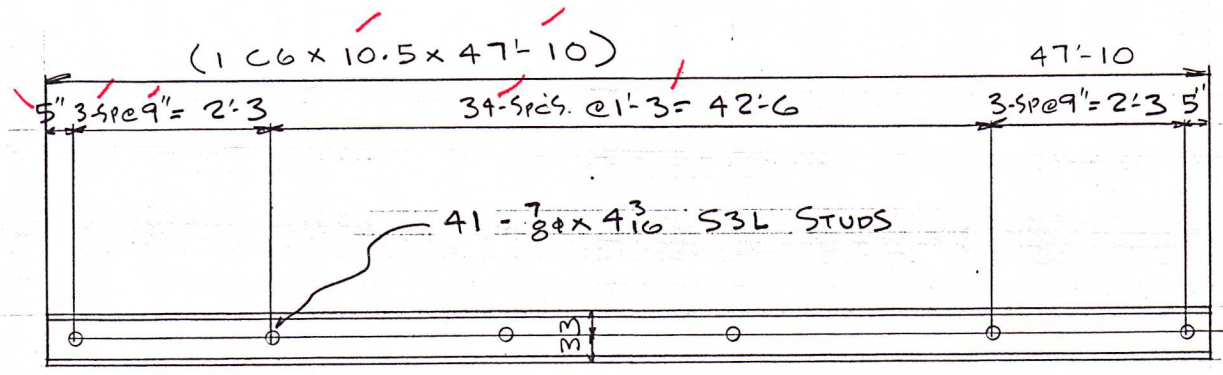
DESIGNATION FOR CODE SUFFIX	A36-NONE	A242-BLUE (A)	A283 (GRADE D) ORANGE (B)	A514-RED (F)	A572 (GRADE 42) GREEN & WHITE (K)	A572 (GRADE 50) GREEN & YELLOW (P)	A572 (GRADE 60) GREEN & GRAY (T)	WELDING SYMBOLS
		A441-YELLOW (D)	A588 BLUE & YELLOW (C)	A529-BLACK (H)	A572 (GRADE 45) GREEN & BLACK (M)	A572 (GRADE 55) GREEN & BROWN (SS)	A572 (GRADE 65) GREEN & BLUE (NW)	

LINEAL INCHES OF WELD	WELD SIZE	ROOT OPENING	GROOVE ANGLE	BACKGROUSE	ROOT OPENING	GROOVE ANGLE	BEVEL	ROOT OPENING	GROOVE ANGLE	FIELD WELD
1/4	5/16	3/8	30°	0	3/8	45°	3/4 (5/8)	3/8	45°	
2-4										
C.C. DIM	LENGTH EACH WELD									

AFCO STEEL		BILL OF MATERIALS		DRAWING NO. 9	
1423 East Sixth Street Post Office Box 231 Area Code 501-372-6261 Little Rock, Arkansas 72203		SHOP ORDER NUMBER	198-622	SHOP	5
		CONTRACT NO. 622			
LINE	QTY.	SECTION DESCRIPTION	LENGTH FEET INCHES	MARK	REMARKS
1	9	BEAMS		A9-P	
2	9	W10x39	30 10		A572 GR. 50
3	90	S3L STUDS	0 4 3/4	N/A	A108
4					
5					
6	2	CHANNELS		B9	
7	2	C6x10.5	47 10		
8	82	S3L STUDS	0 4 3/4	N/A	A108
9					
10					
11					
12					
13		PLAIN MATERIAL			
14	8	R 14x2	1 0	C9	SHIMS
15	12	R 16x2	1 0	D9	DO
16	18	R 14x2	0 8	F9	
17					
18					
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46					



BEAM - A9-P



CHANNEL - B9

APPROVED BY
Walt F. Loe
BRIDGE ENGINEER
MEL 7-23-97

REV. NO.	DATE	REVISION DESCRIPTION	BY	CHKD.	APPL.	SHOP	FIELD
0	7-22-97						
DESCRIPTION		W10s & C10s		SQUAD		NOERNBERG	
REF. DWG.		AFCO E1		CUSTOMER		P.O. NO.	
AFCO STEEL 1423 East Sixth Street / Post Office Box 231 / Area Code 501-372-6261 / Little Rock, Arkansas 72203							
BOLTS	7/8" A325C	EXC. NOTED	CUSTOMER	AHTD		DRAWING NO.	
HOLES	1 5/8"	EXC. NOTED	JOB TITLE	AHTD JOB NO. 110319		9	
END DIST.	1 1/2"	EXC. NOTED	STRUCTURE	REPAIR OF HELENA BRIDGE		CONTRACT NO.	
CLEAN SPEC.	SSPUSP10	EXC. NOTED	LOCATION	HELENA, AR.		622	
PAINT	CARBOLINE C211	EXC. NOTED	ARCH OR ENGR.	AHTD			
DRAWN	RS	DATE	7-22-97	CHKD.	DATE		
DRY MIL THICKNESS	3.0	STRUCTURE UNSTABLE UNTIL FIELD WORK COMPLETE. ERECTOR OUT AS REQUIRED.			PAINT PIECE MARK TO READ RIGHT SIDE UP ON LEFT END OF PIECE. ERECT WITH MARK AT SAME END AS SHOWN ON ERECTION PLAN & RIGHT SIDE UP.		
ELECTRODE CLASS	E70L6-HY						

L N E		QTY.	SECTION DESCRIPTION	LENGTH		MARK	ORDER ITEM	REMARKS
				FEET	INCHES			
1	1		PLATE			A10		
2	1		R 1/2 x 16	5	11			
3								
4								
5								
6	1		ANGLE			B10		
7	1		L 6 x 6 x 5/8	6	2 1/2			
8								
9								
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11								
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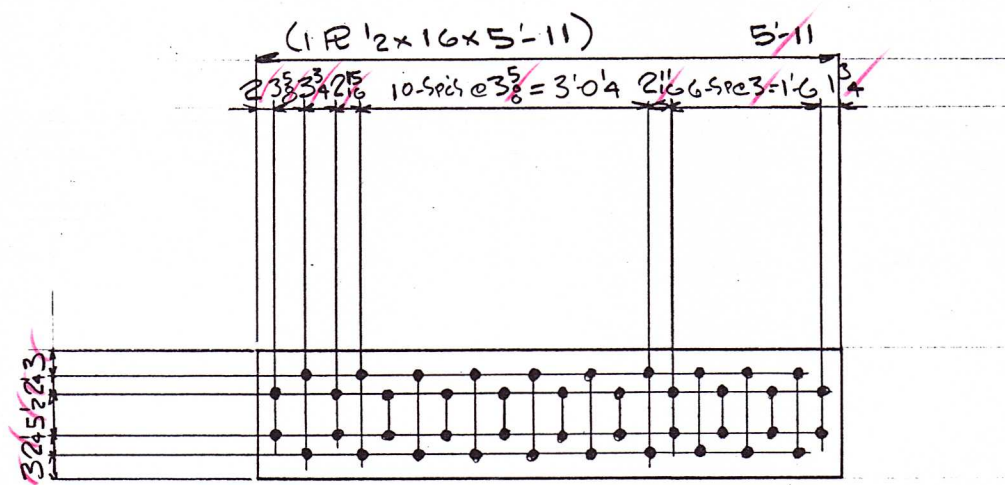
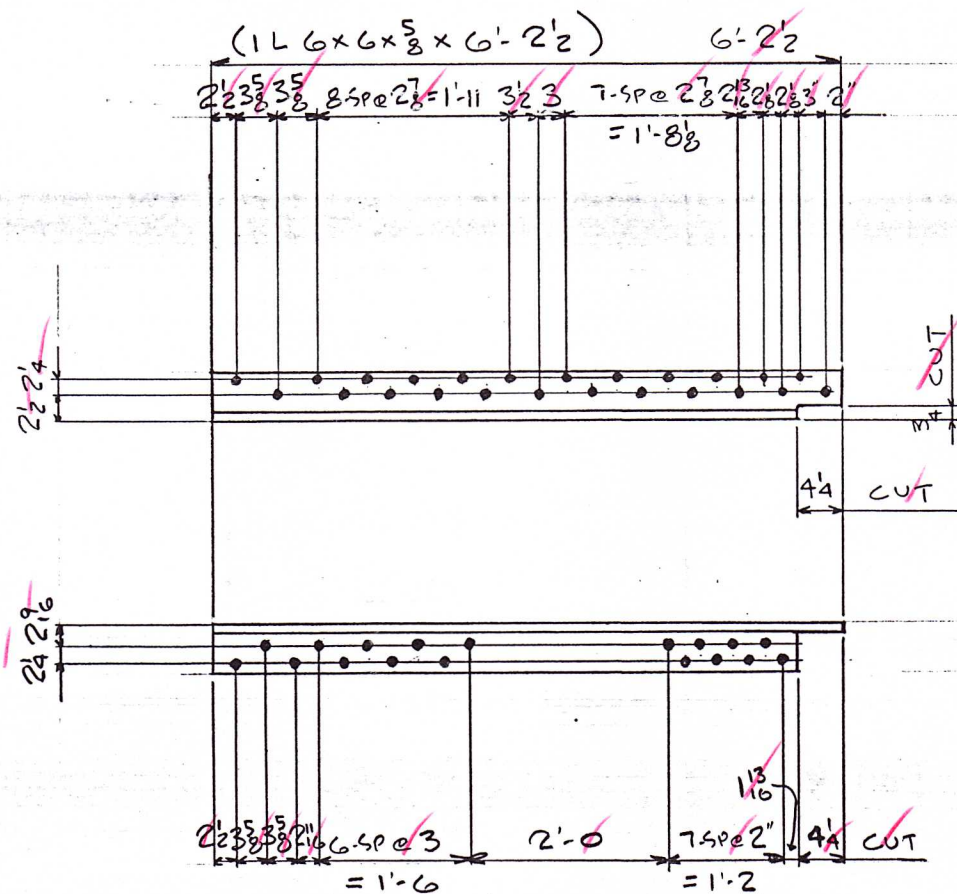


PLATE-A10



ANGLE - BIO

APPROVED BY
Wale F. Loea
BRIDGE ENGINEER

[illegible]