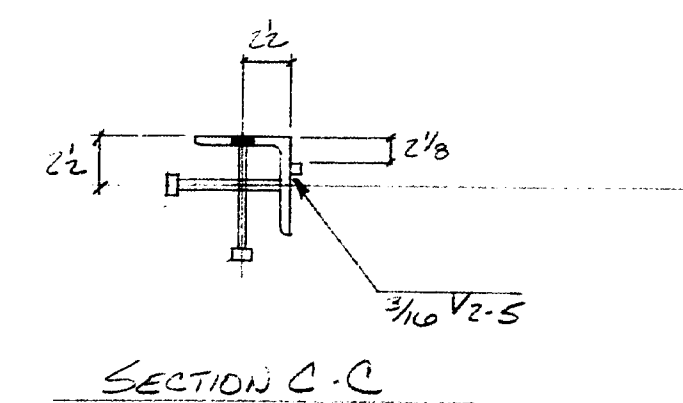
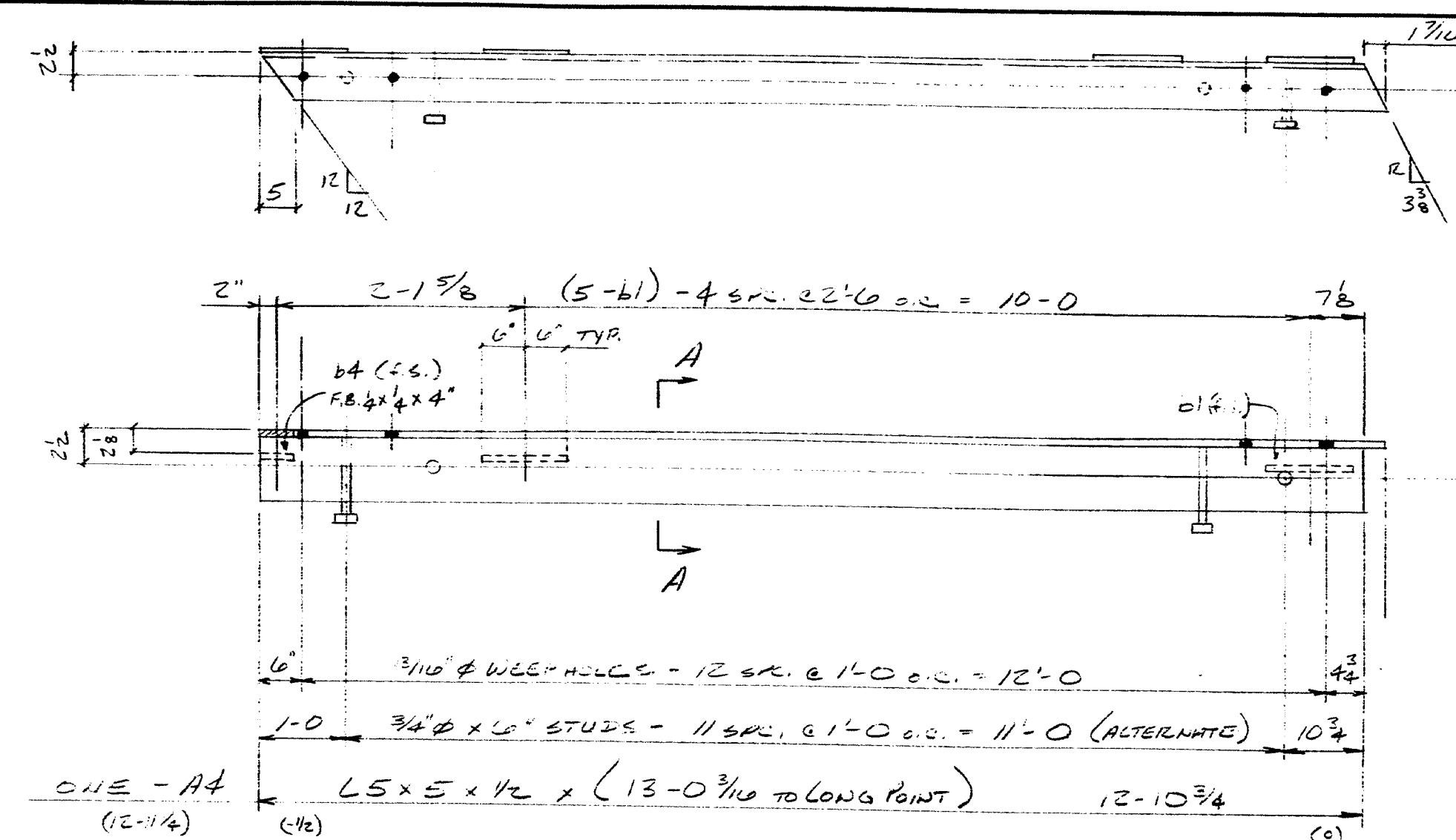
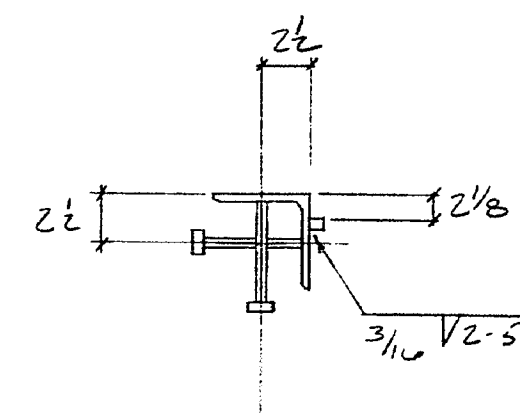
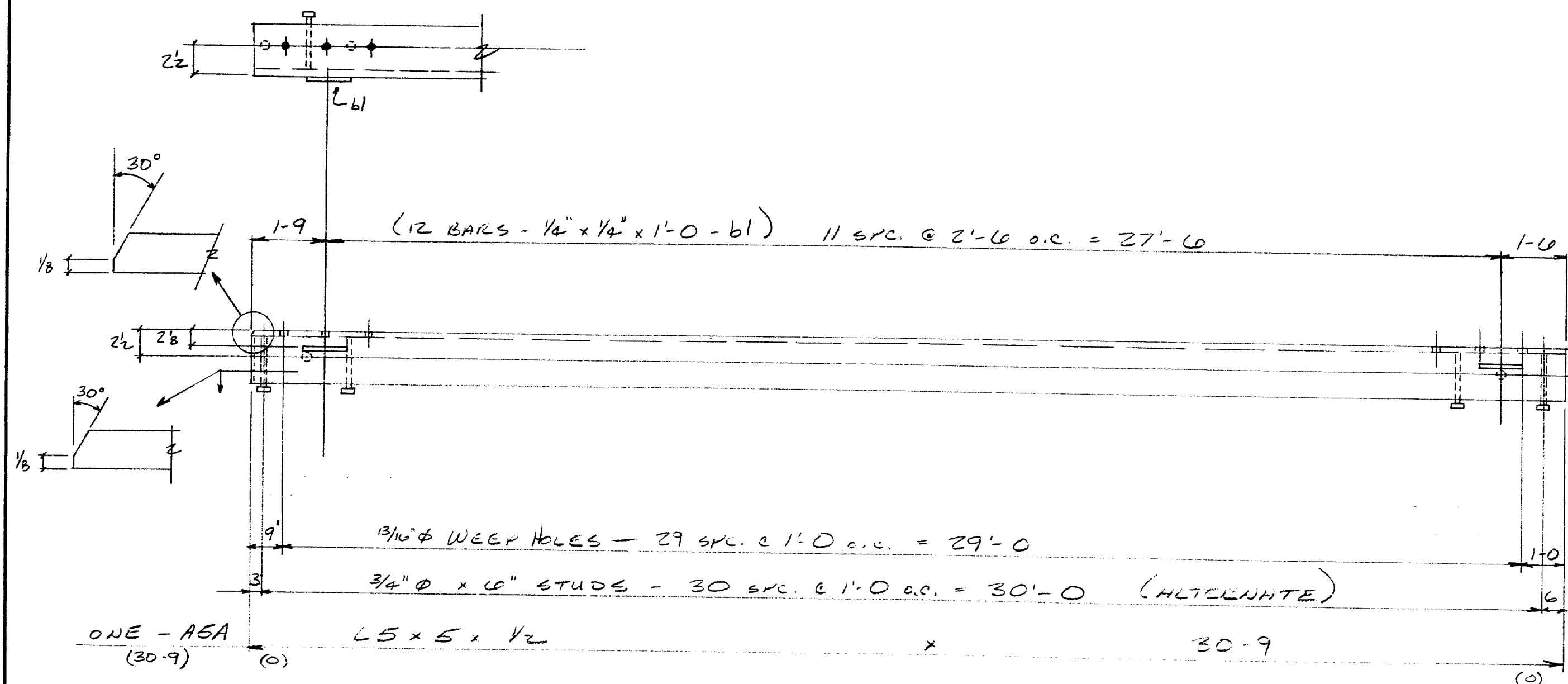
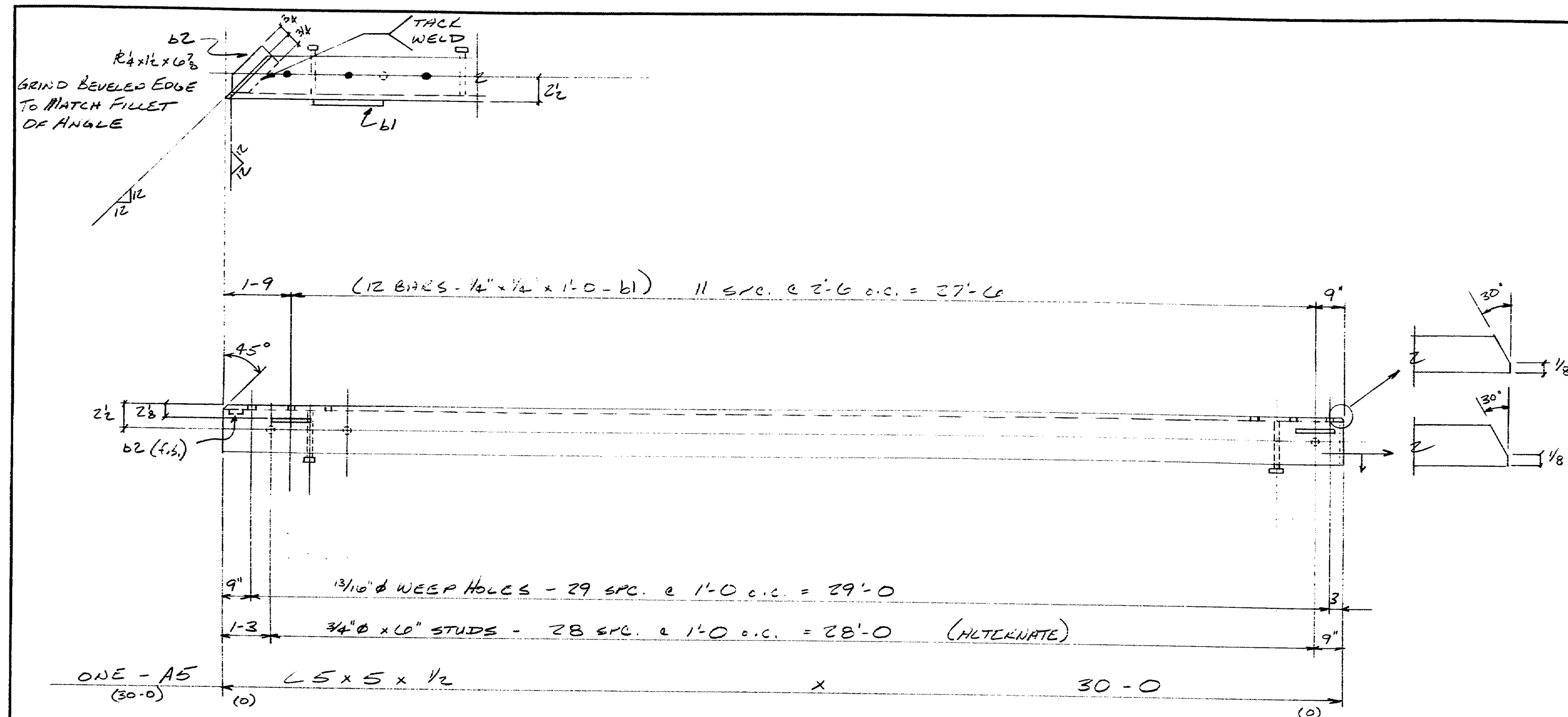


JOB# 6040 SHT# F3



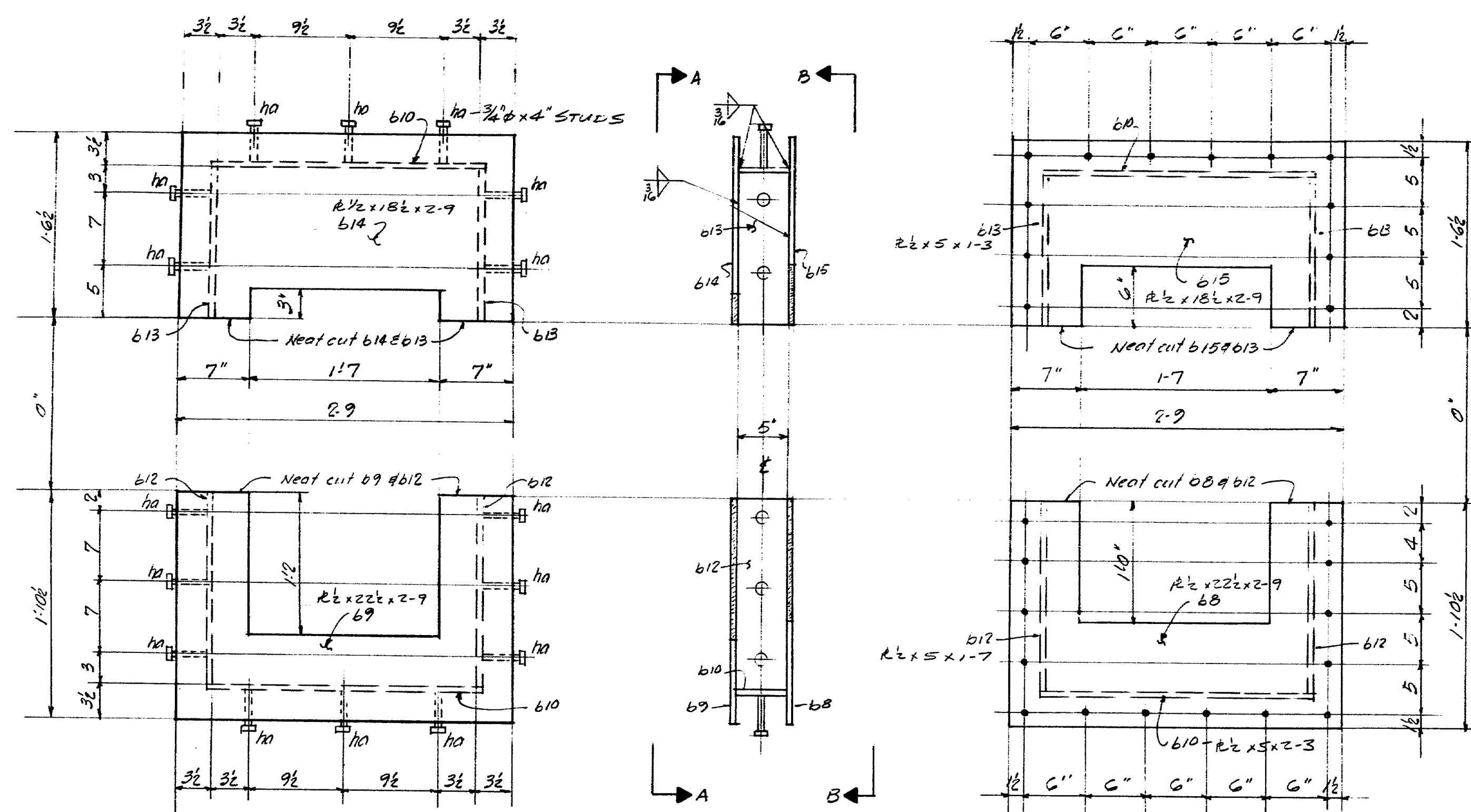
ARMORED JOINT - WEST APPROACH	
ANGLES A3, A4, A5, A6A	
<b>NEW ENGLAND STEEL FABRICATORS INC.</b> OLD WORLD RD. MILFORD, NEW HAMPSHIRE 03055	
PROJECT:	UNLDO - HANCOCK BRIDGE PROJ. # BH-04Z-1 (31)
ARCHT:	STATE OF MAINE
CONTRACTOR:	CLINCKO CORP.
DR. BY:	K.J.M. CHK. BY: RWS % DATE 10/18/82
HOLDS:	7 1/2" 8 UNO. PAINT:
JOB #	0040 SHT # 4

267-867



ANCHORED JOINT - WEST APPROACH	
ANGLES AS & ASA	
NEW ENGLAND STEEL FABRICATORS INC. OLD WILTON RD. MILFORD, NEW HAMPSHIRE 03055	
PROJECT:	WALDO - HANCOCK BRIDGE PROJ. # BH-042-1 (31)
ARCHT:	STATE OF MAINE
CONTRACTOR:	CIAUREO CORP.
DR. BY: K. J. M.	CHK. BY: RWS DATE: 10/18/82
HOLES: 3/8" DIA. PAINT:	
JOB #	SHT #

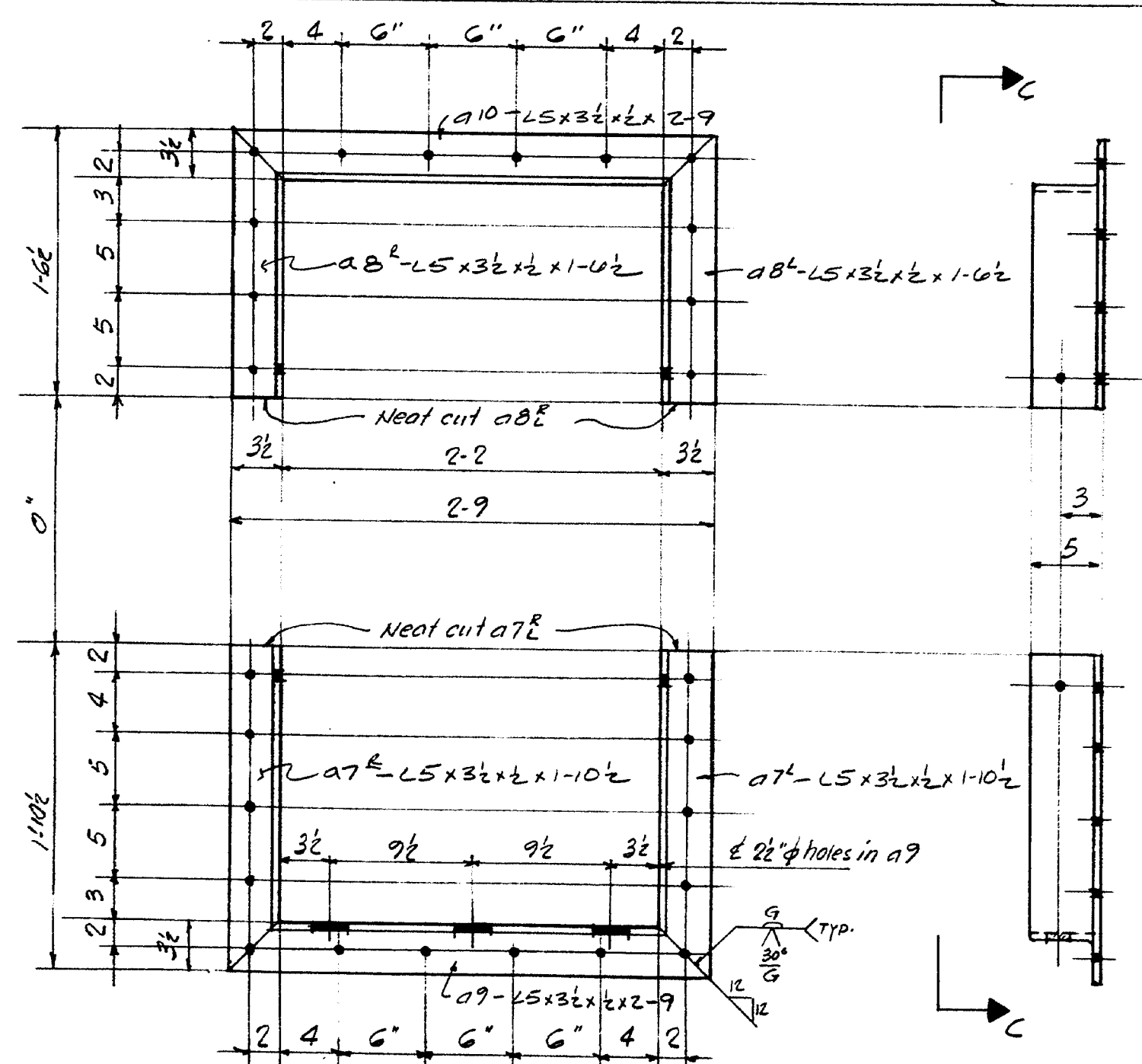
178-193



VIEW A-A

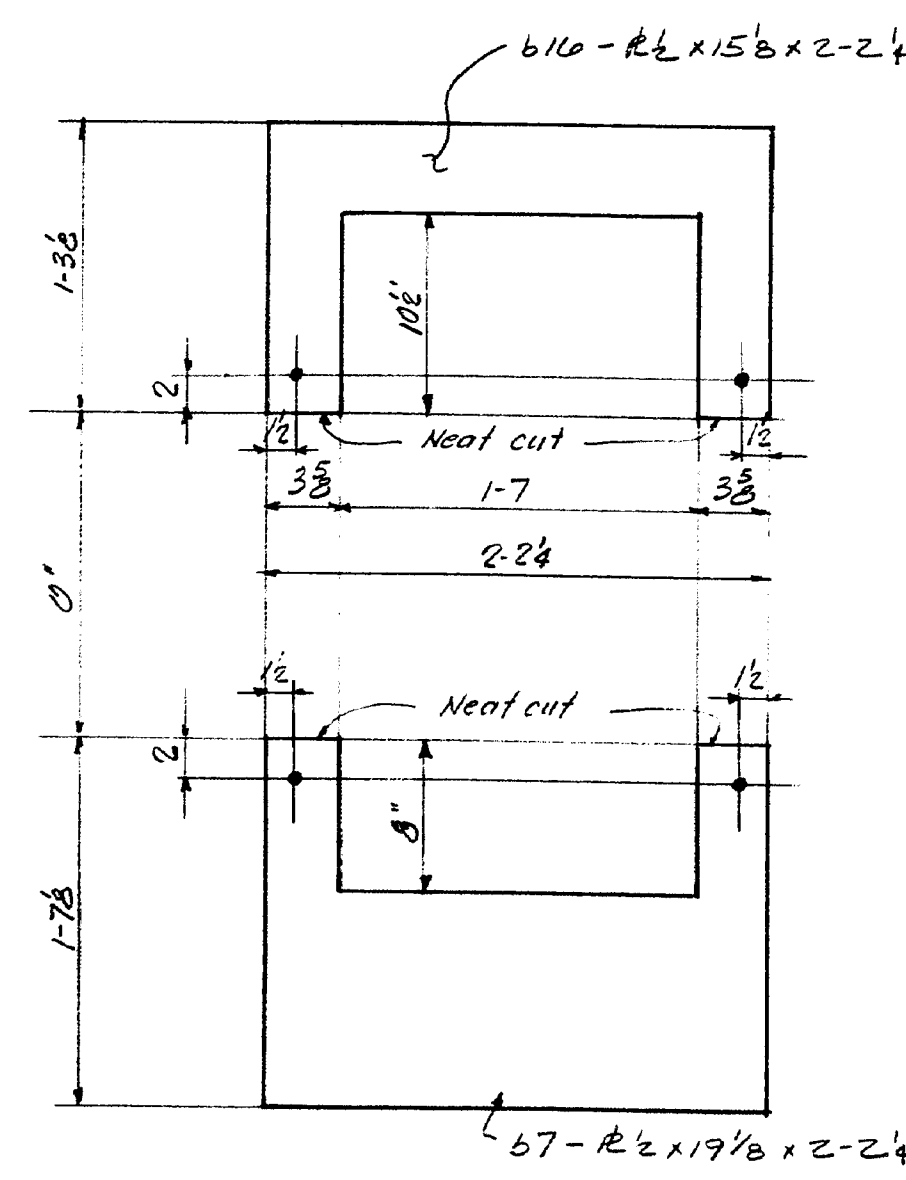
REAR FRAME-B  
(4 REQ'D)

VIEW B-B

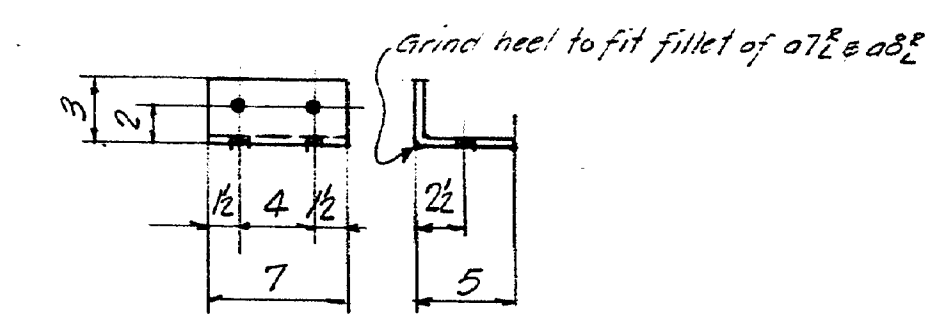


VIEW C-C

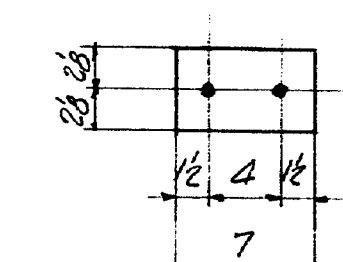
FRONT FRAME-A (4 REQ'D)



FRONT FR. 67# 616  
(4 EA. REQ'D)



8-a11  
1/2" x 3 1/2" x 1/2" x 7"



8-b11  
1/2" x 4 1/2" x 7"

CABLE SHIELDS - (WORK WITH SHEET F)

NEW ENGLAND STEEL FABRICATORS INC.

MILFORD, NEW HAMPSHIRE 03055

PROJECT: WALDO-HANCOCK BRIDGE

ARCHT:

CONTRACTOR: CIAMERO CORP

DR. BY: C.FE CHK. BY: KJM DATE: 2/18/82

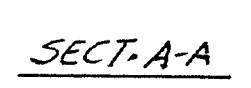
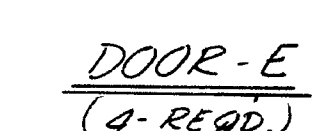
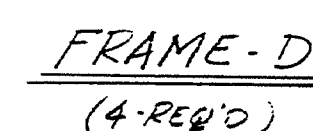
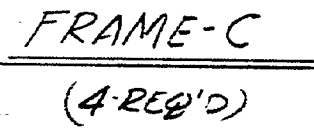
HOLES: 3/8" UN. PAINT: SEE NOTES ON DWG. F1

JOB# 6040

SHT # F7

178-194

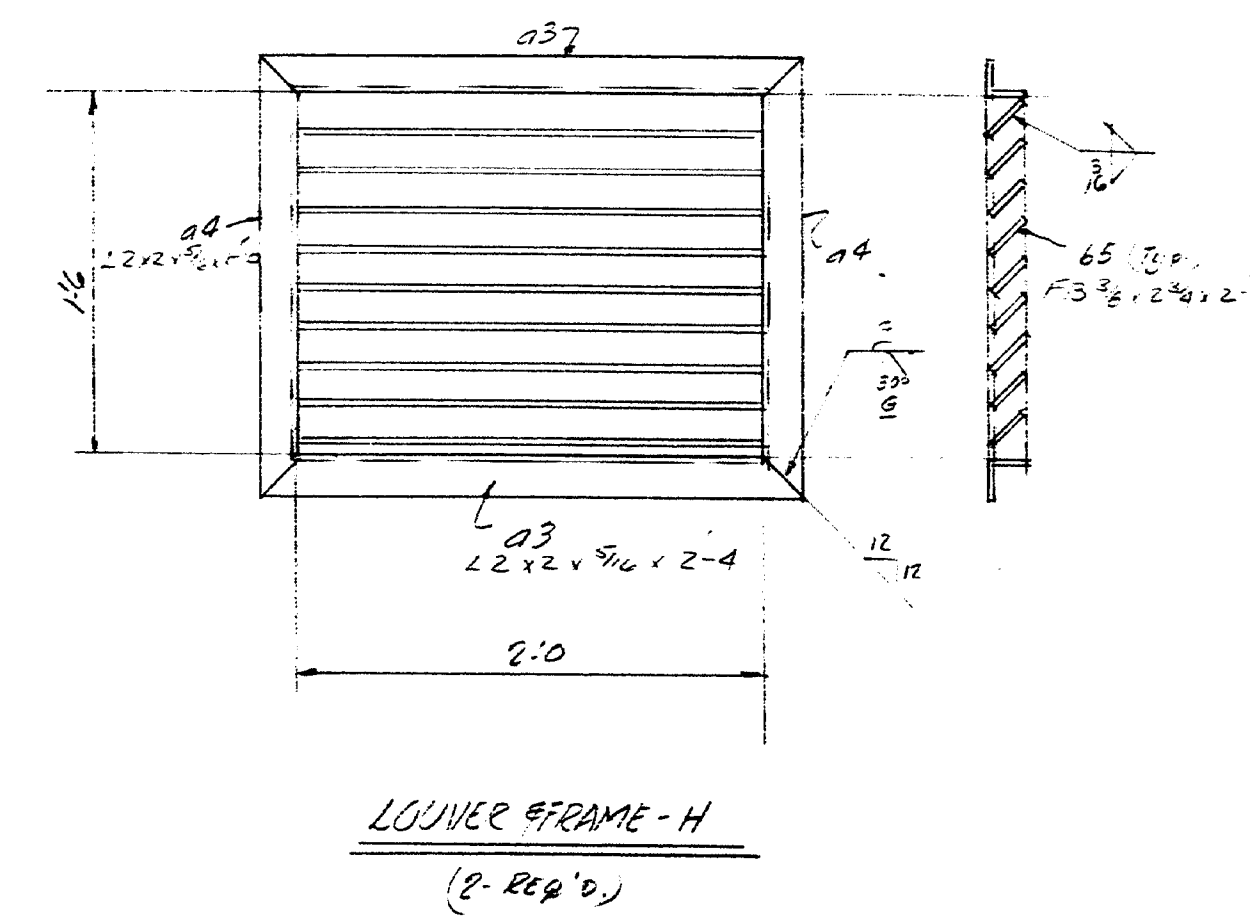
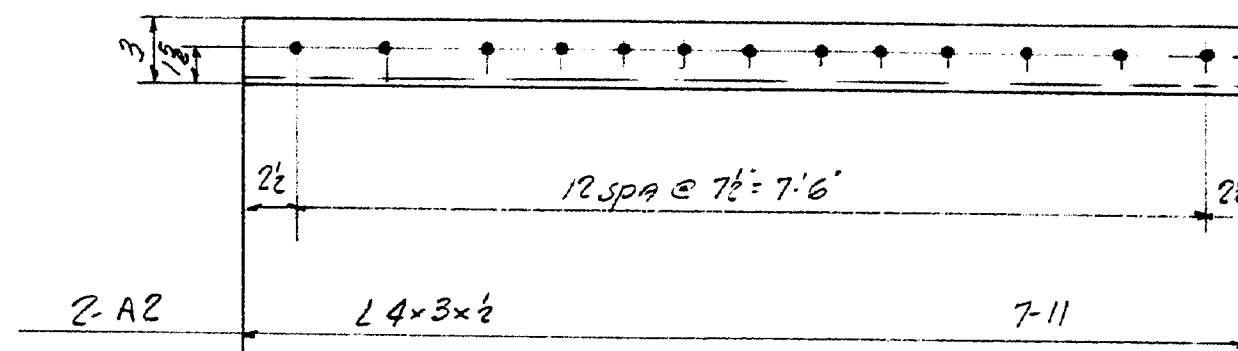




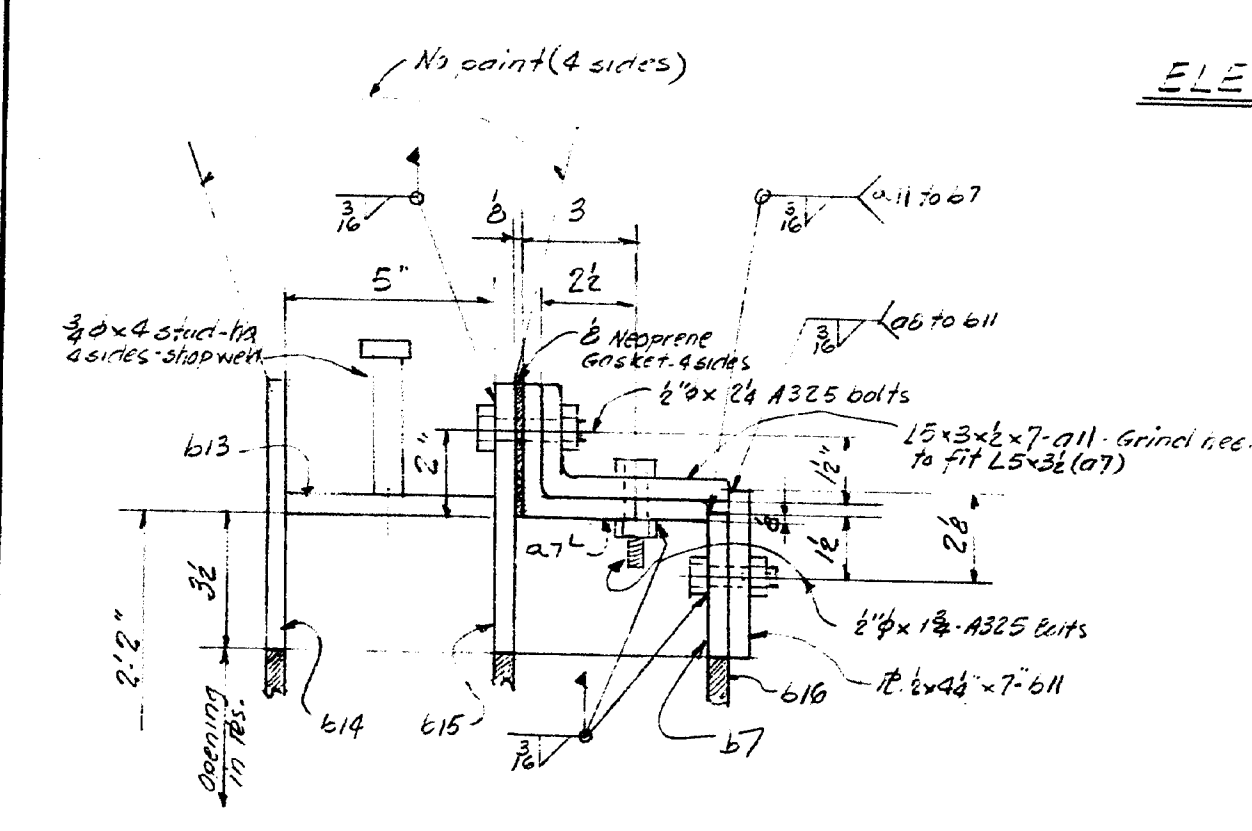
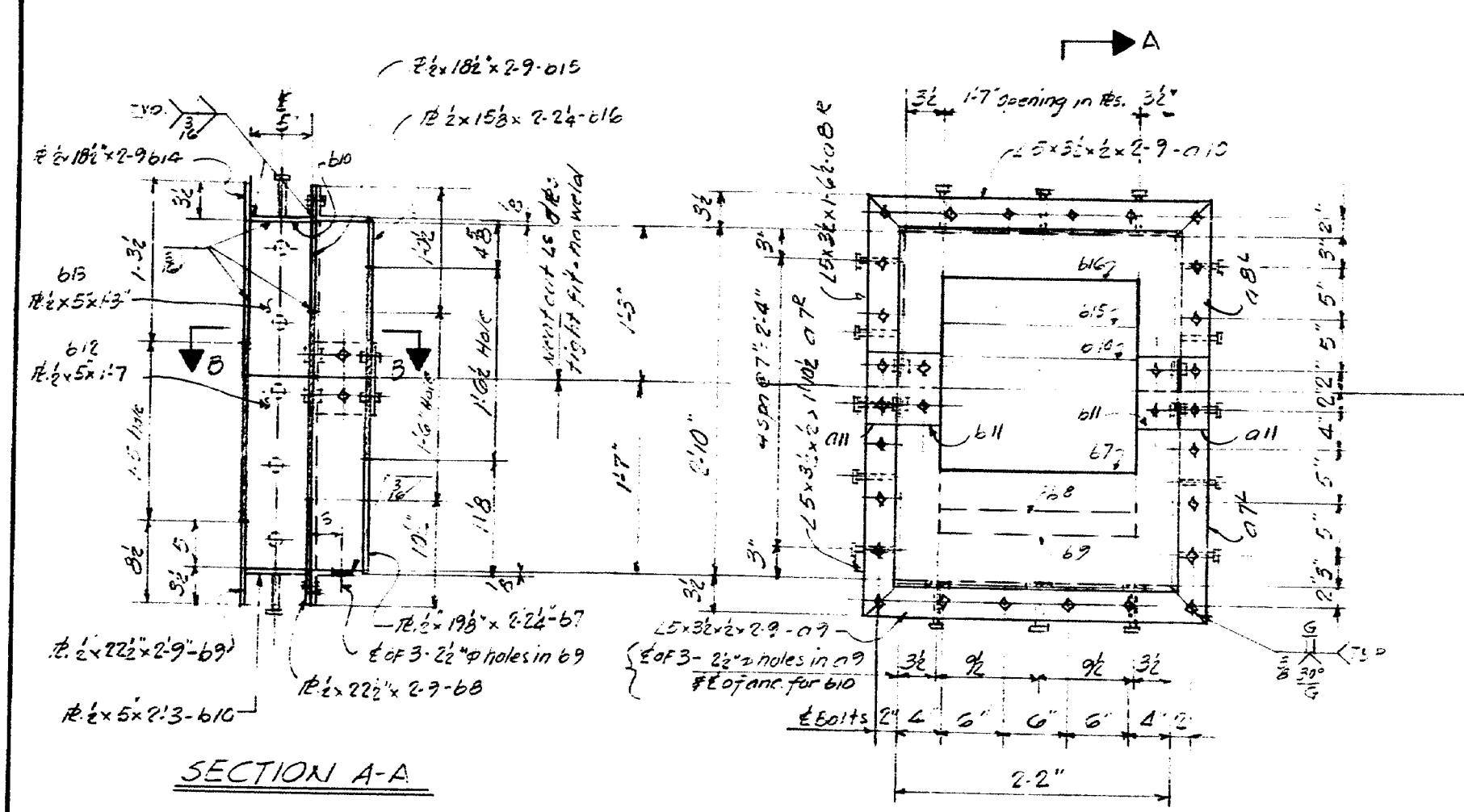
LOUVER & FRAME - F  
(4 REQ'D.)

LOUVERED DOOR & FRAME (WORK WITH SHEET #1)		
NEW ENGLAND STEEL FABRICATORS INC. OLD WILTON RD. MILFORD, NEW HAMPSHIRE 03055		
PROJECT:	WALDO HANCOCK BRIDGE	
ARCHT:		
CONTRACTOR:		
DR. BY: CFE	CHK. BY: CSM	DATE: 10/10/82
HOLES:	PAINT: SEE SHEET #F1	
JOB# 6040	SHT# FB	

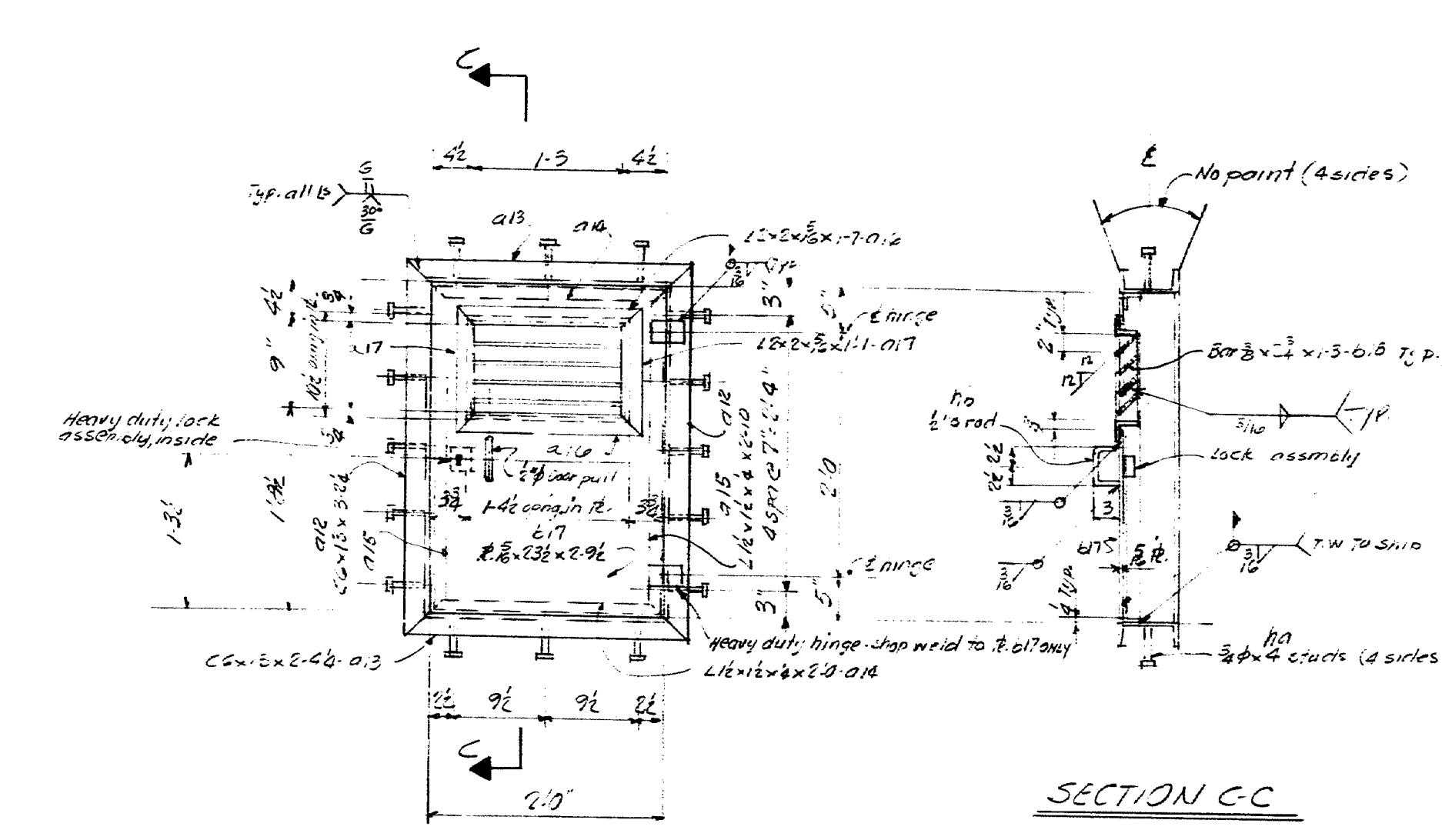
**128-195**



DOOR-G  
(2 REQ'D)



4 CABLE SHIELDS REQ'D. MARK CS-1



ELEVATION

4 LOUVERS REQ'D. - MARK L1

BILL OF MATERIALS				
NO.	MARK	SIZE	LENGTH FT. IN.	REMARKS
(4-CS-1)				
4	Q7R	15x3x1/2	1 10 1/2	81E
4	Q7L	15x3x1/2	1 10 1/2	81E
4	Q8R	15x3x1/2	1 10 1/2	81E
4	Q8L	15x3x1/2	1 10 1/2	81E
4	Q9	15x3x1/2	2 9	82E
4	Q10	15x3x1/2	2 9	82E
3	Q11	15x3x1/2	7	
4	Q7	15x3x1/2	2 24	
4	Q8	15x3x1/2	2 2	
4	Q9	15x3x1/2	2 2	
3	Q10	15x3x1/2	2 3	
3	Q11	15x3x1/2	7	
3	Q12	15x3x1/2	1 7	
3	Q13	15x3x1/2	1 3	
4	Q14	15x3x1/2	2 9	
4	Q15	15x3x1/2	2 9	
4	Q16	15x3x1/2	2 24	
64	Q17	15x3x1/2	2	
112	Q18	15x3x1/2	11 2	
32	Q19	15x3x1/2	13	
104	Q20	15x3x1/2	24	
(4-L1)				
3	Q12	15x3x1/2	3 24	82E
3	Q13	15x3x1/2	2 44	82E
3	Q14	15x3x1/2	2 0	82E
3	Q15	15x3x1/2	2 10	82E
3	Q16	15x3x1/2	1 7	82E
3	Q17	15x3x1/2	1 1	82E
4	Q17	15x3x1/2	2 92	
16	Q18	15x3x1/2	1 3	
4	Q19	15x3x1/2	10 1/2	
64	Q20	15x3x1/2		
3	Q21	15x3x1/2		Plain leaf
4	Q22	15x3x1/2		Heavy duty locks

- NOTES:
- All steel to be ASTM A-709, Grade 36
  - Paint and shop coat of lead
  - Silica Chromate
  - Key to match locks in door frame marked D1 on sheet F2.

Ref to Engr. Sheet #15

PROJECT NUMBER: 84-049-1 (31) & 84-0250 (11)  
LOUVERS & SHIELDS IN ANCHORAGE SHELTERS TENDR 504-418

NEW ENGLAND STEEL FABRICATORS INC.  
OLD WILTON RD.  
MILFORD, NEW HAMPSHIRE 03055

PROJECT: WALDO - HANCOCK BRIDGE  
OVER PENOBSCOT RIVER  
STATE OF MAINE - DEPT. OF TRANSPORTATION - BUREAU OF HIGHWAYS

ARCHT: STEINMAN, BOYNTON, GRUNDY & BIRDSONG  
CONTRACTOR: CLANBRO CORP.

DR. BY: C.F.E. CHK. BY: L.M. DATE: 8/16/82

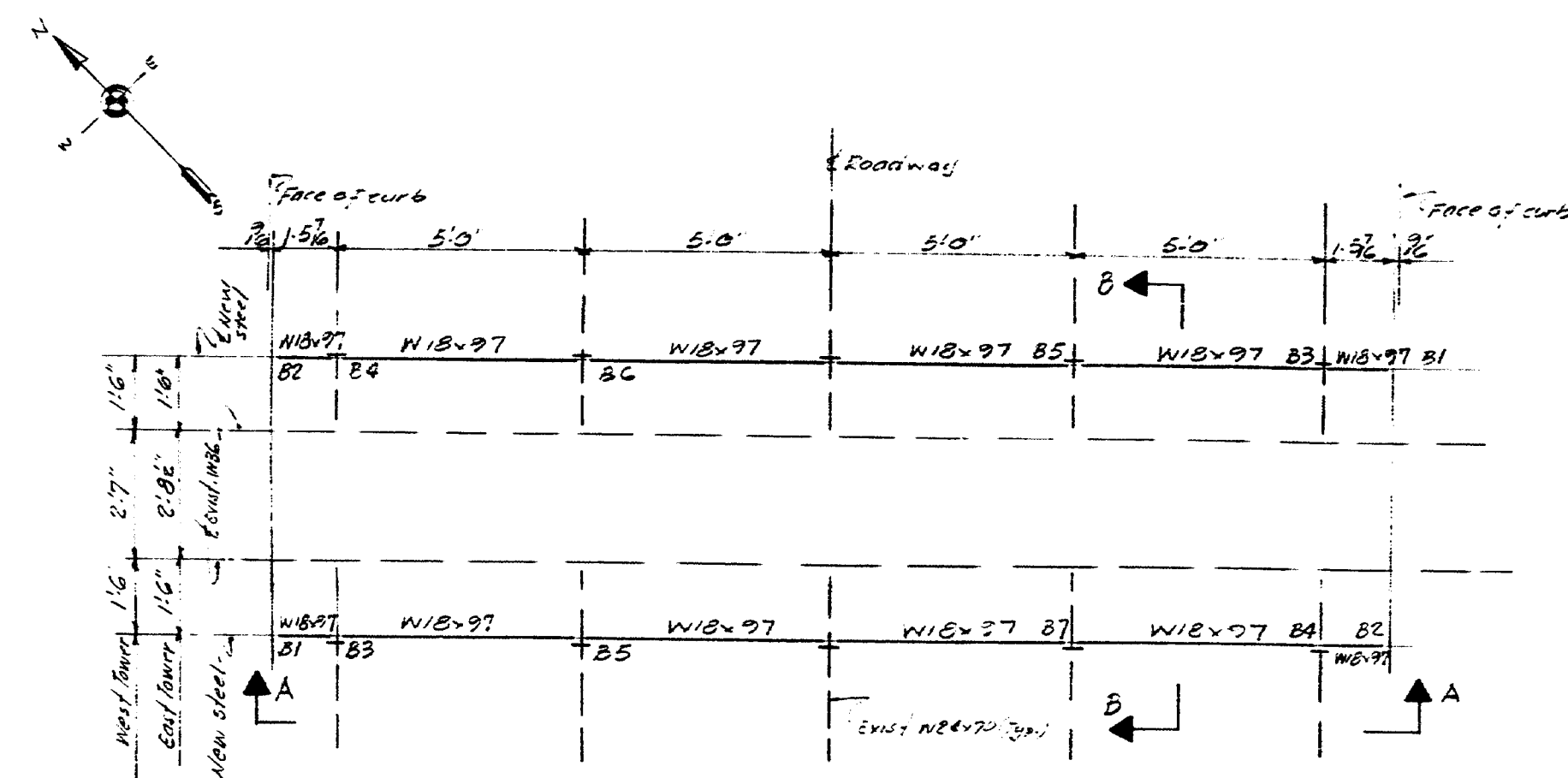
HOLES: 3/4" U.N. PAINT: SEE NOTES

JOB # 6041 SHT # 1

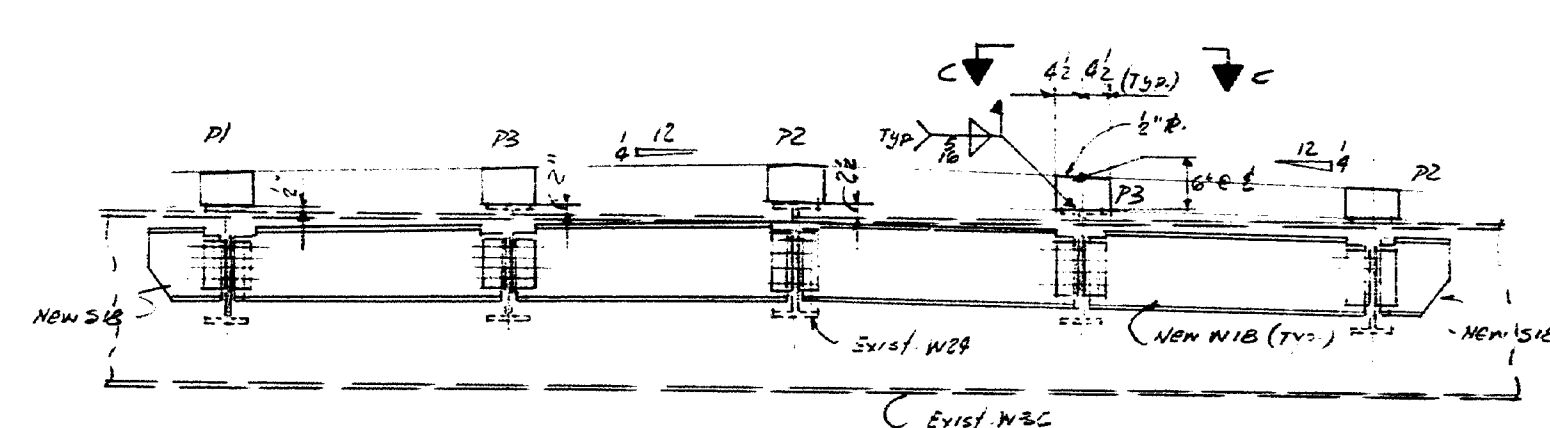
178-197



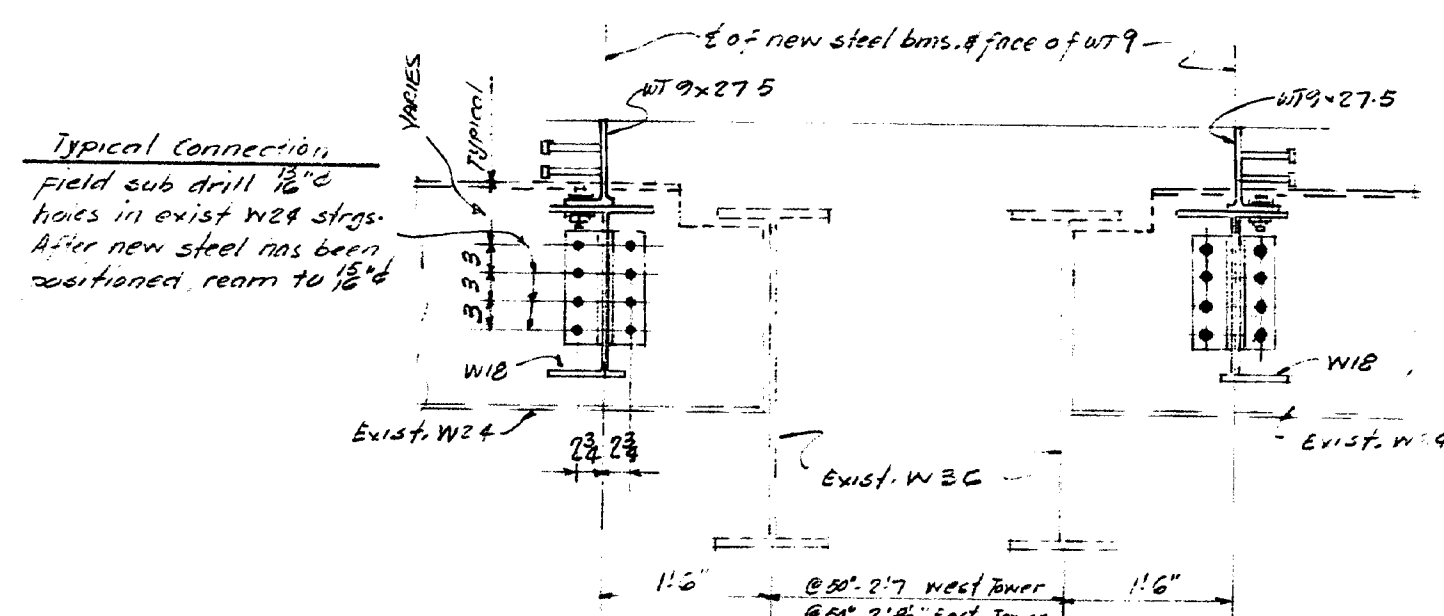




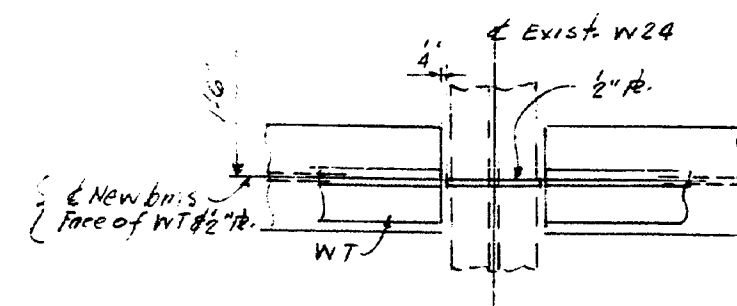
PLAN OF SUPPORT STEEL AT NEW FINGER JOINTS



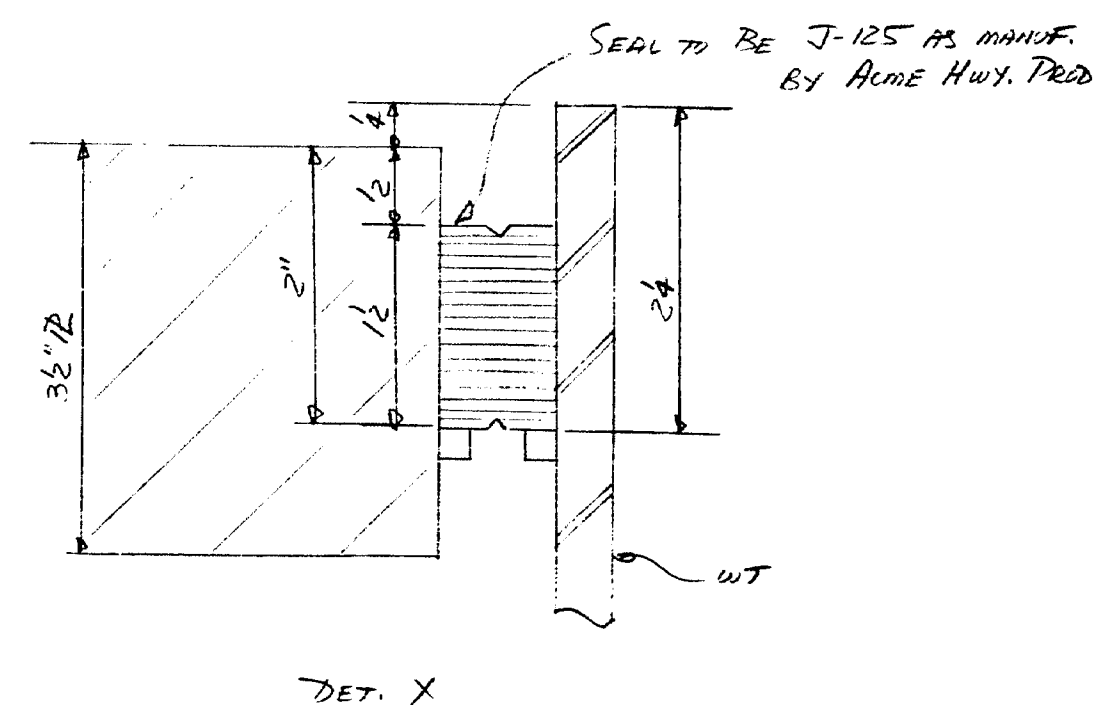
SECTION A-A



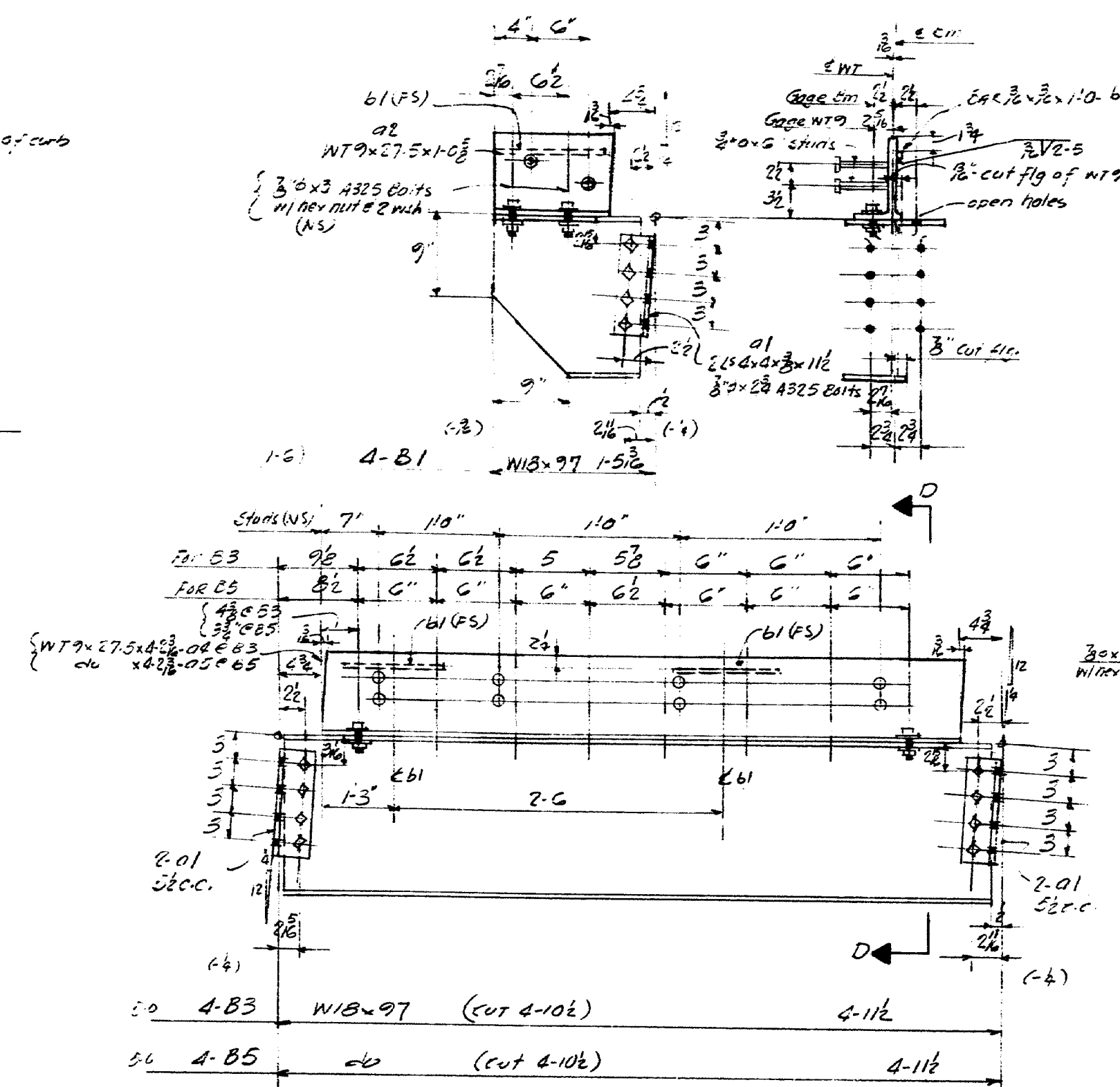
SECTION B-B



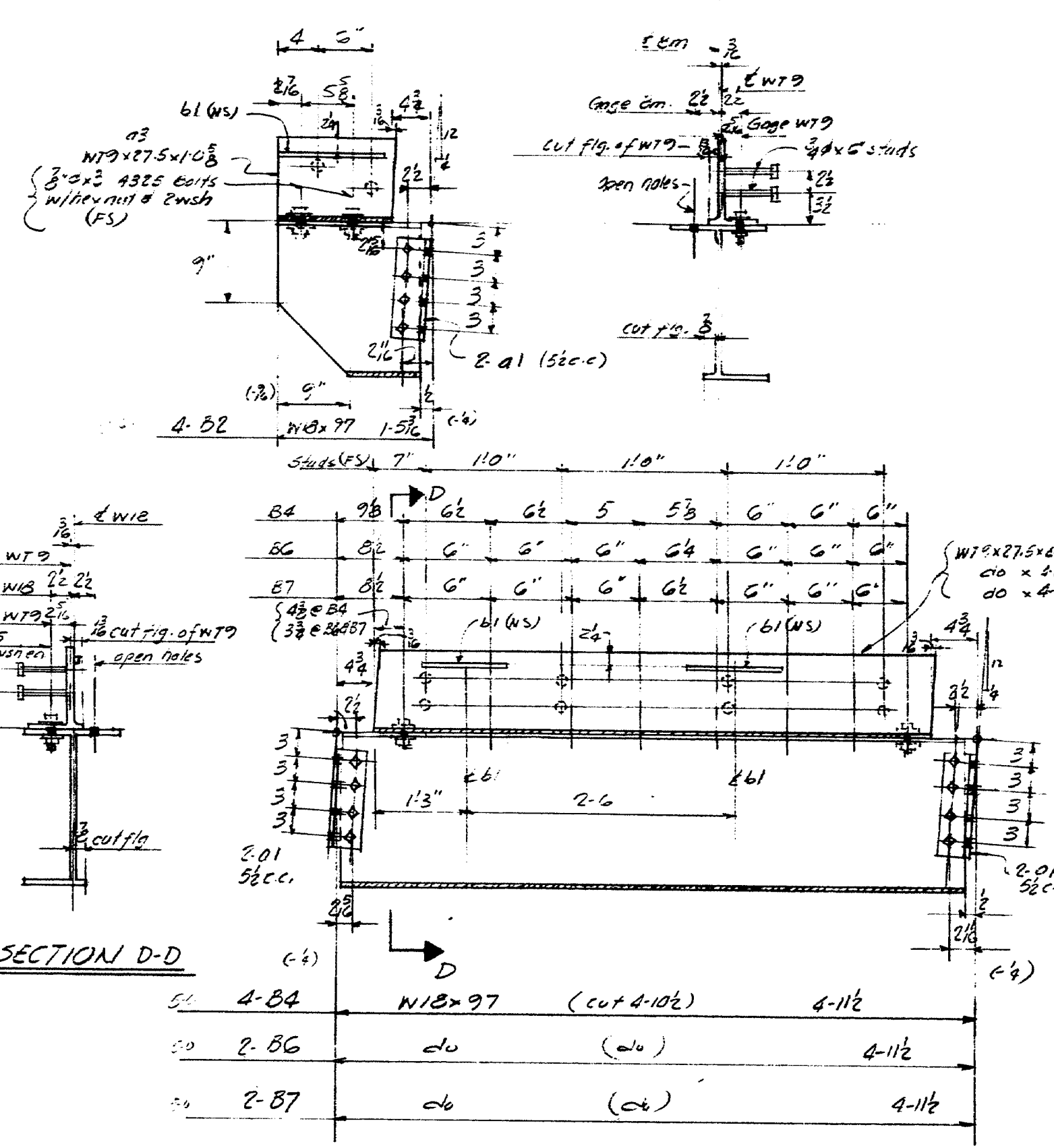
SECTION C-C



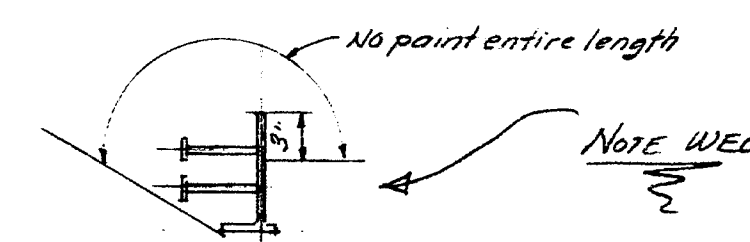
DET. X



SECTION D-D



SECTION E-E



TYPICAL DETAIL FOR ALL W18'S

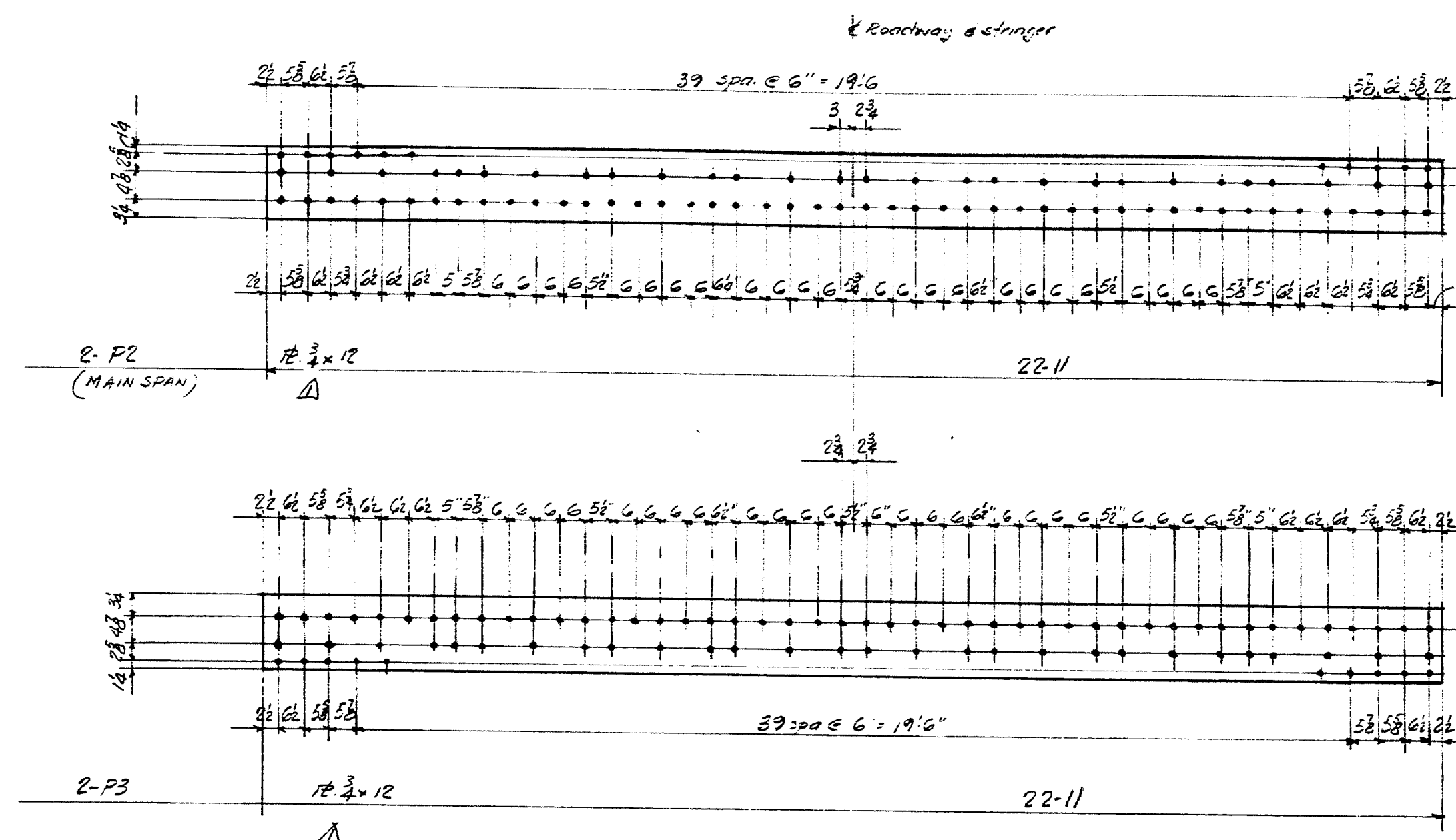
BILL OF MATERIAL				
NO.	MARK	SIZE	LENGTH FT. IN.	REMARKS
4	E1	W18x97	1 4 1/2	
4	B2	W18x75	1 4 1/2	
4	B3	W18x50	4 10 1/2	
4	B4	W18x50	4 10 1/2	
4	B5	W18x50	4 10 1/2	
2	B6	W18x50	4 10 1/2	
2	B7	W18x50	4 10 1/2	
80	A1	1/4x4x3/4	116	
4	A2	W18x27.5	1 0 3/4	B1E
4	A3	W18x27.5	1 0 3/4	B1E
4	A4	W18x27.5	4 2 3/4	B2E
4	A5	W18x27.5	4 2 3/4	
4	A6	W18x27.5	4 2 3/4	
2	A7	W18x27.5	4 2 3/4	
2	A8	W18x27.5	4 2 3/4	
40	B1	1/4x4x3/4	1 0	
8	P1	1/4x7x3/4	9	
8	P2	1/4x7x3/4	9	
4	P3	1/4x7x3/4	9	
160	3/4x4x3/4	2 3/4	2 3/4	B1E
144	3/4x4x3/4	3	3	
144	3/4x4x3/4	6	6	

NOTES:  
All steel to be ASTM A36. Don. w/ CERTS  
Paint one shop coat of Lead  
Silico Chromate U.L.  
for W.P. dimensions see plan in upper  
left corner of sheet.

Ref. to Engr. Sheets #10 & 11

PROJECT NUMBER B4042-1(11) & B4-0750(11)	
SUPPORT STEEL AT FINGER JOINTS - ITEM NO. 504-020	
NEW ENGLAND STEEL FABRICATORS INC. OLD WILTON RD. MILFORD, NEW HAMPSHIRE 03055	
PROJECT: WALDO-HANCOCK BRIDGE OVER PENOBSCOT RIVER STATE OF MAINE - DEPT. OF TRANSPORTATION - BUREAU OF HIGHWAYS.	
ARCHT: STEINMAN, BRYNDA, GRIFFIN & CHASE	
CONTRACTOR: ELMORE CORP.	
DR. BY: C.F.E.	CHK. BY: DATE:
HOLES: 3/4x4x3/4	PAINT: SEE NOTES
JOB # 6043	SHT # EF-2

178-199



NOTES

1. All steel to be ASTM A36.
2. Paint one shop coat of Lead Silico Chromate.
3. Field drill  $\frac{1}{8}$ " d holes in exist. W36 u.u.
4. New bolts to be  $\frac{3}{8}$ " d A325 w/2 washers and a self-locking nut.

Refer to Eng. sheets #10 & 11

① REV. 5/5/83

PROJECT NUMBER 8H-042-1(31) & 8H-0250(11)

**NEW ENGLAND STEEL FABRICATORS INC.**  
OLD WILTON RD.  
MILFORD, NEW HAMPSHIRE 03055

PROJECT: WALDO-HANCOCK BRIDGE  
OVER PENOBSCOT RIVER

ARCH'T:

CONTRACTOR: CIAMBRO CORP.

DR. BY: CFE. CH'K. BY: DATE:

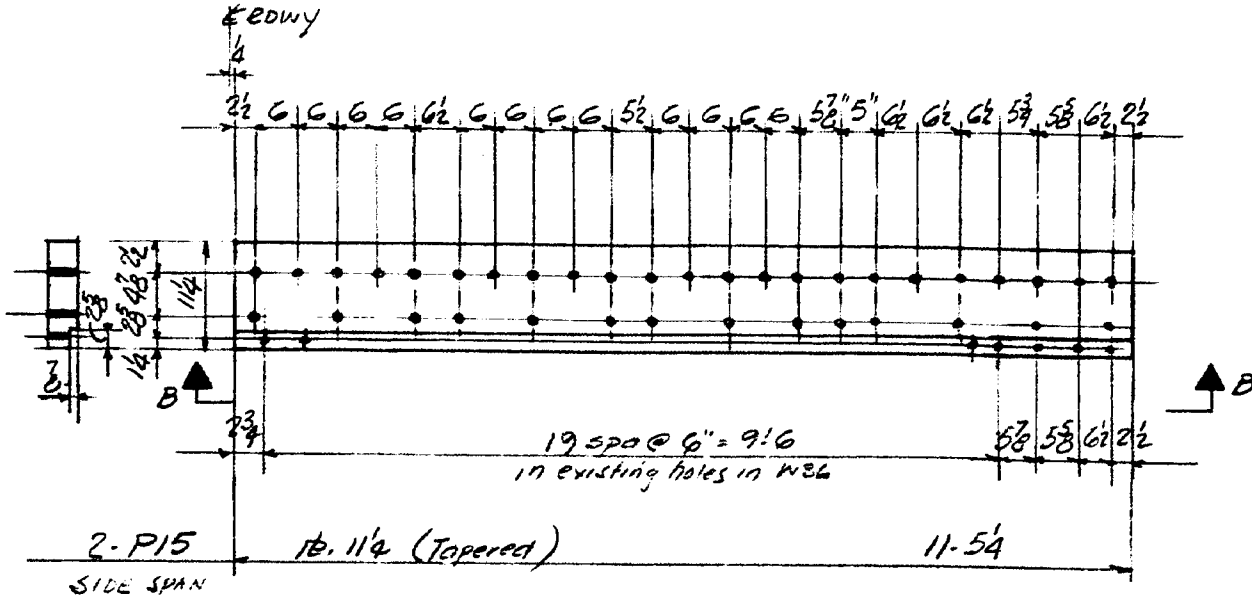
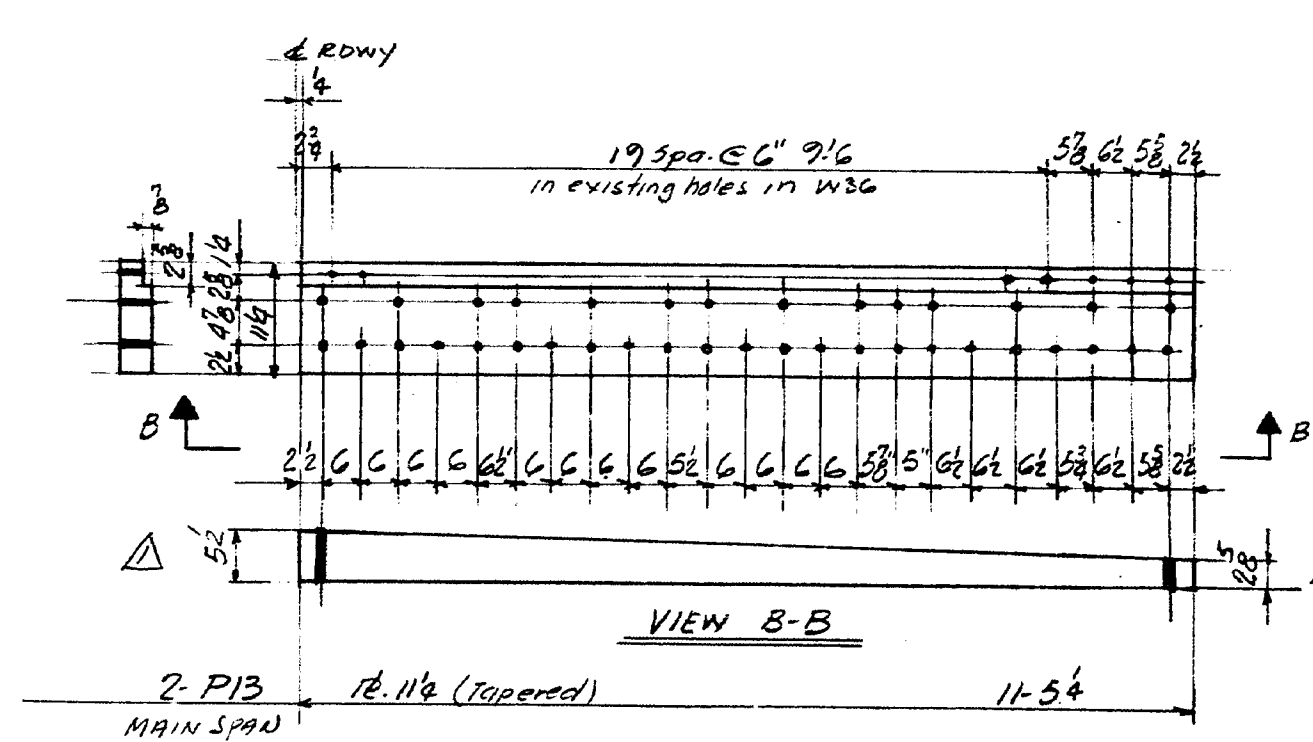
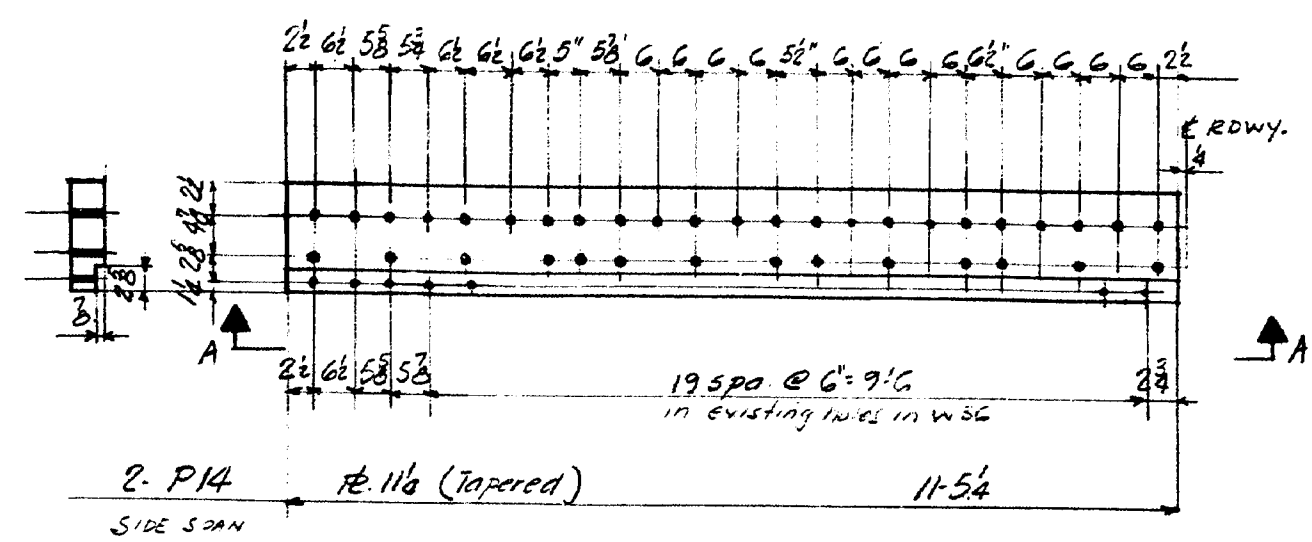
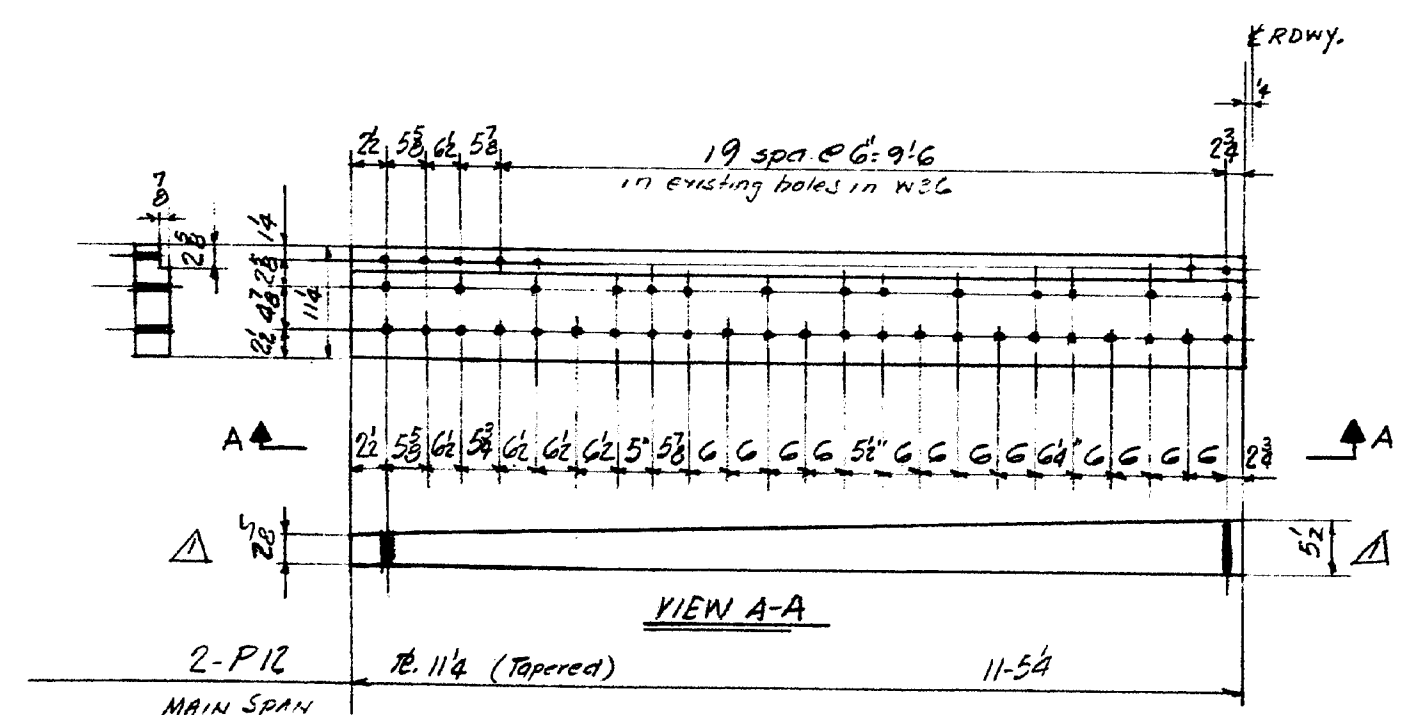
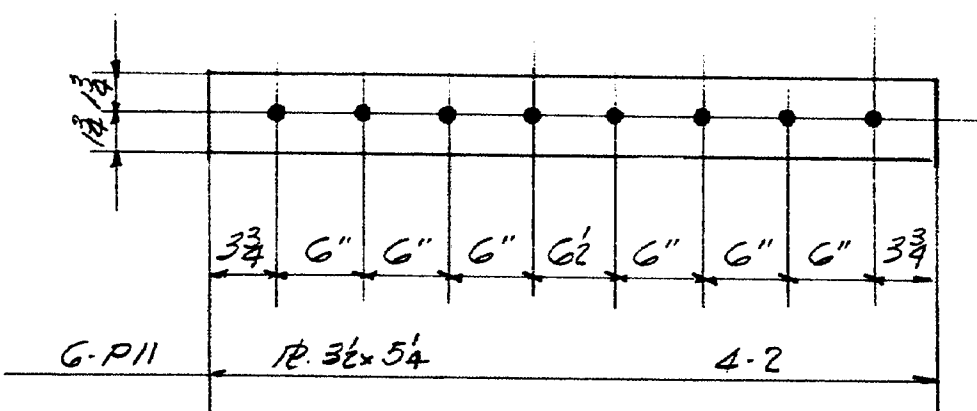
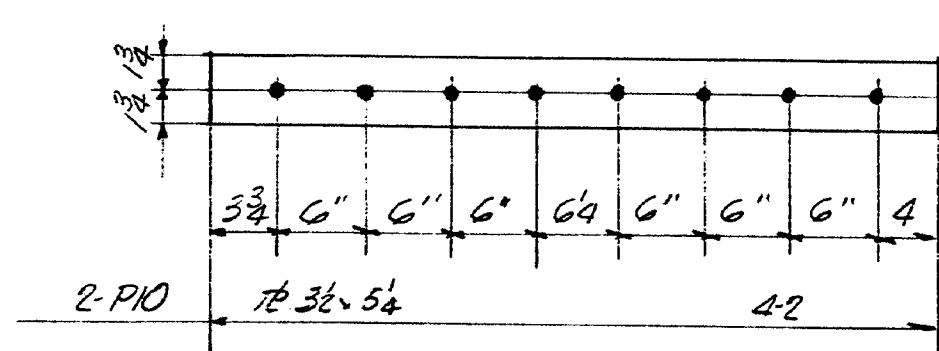
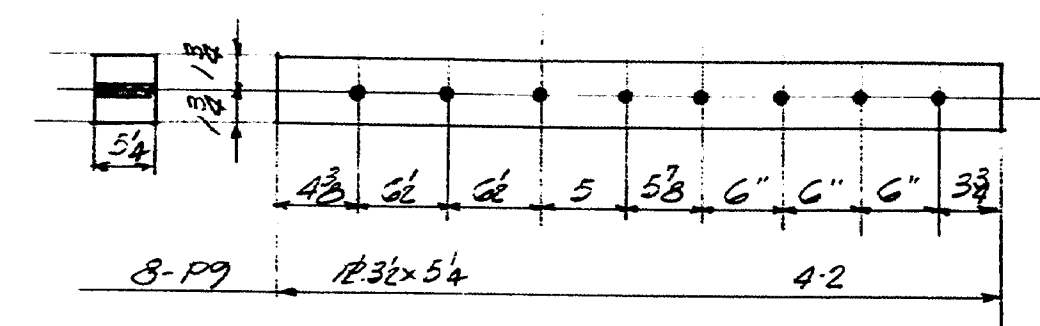
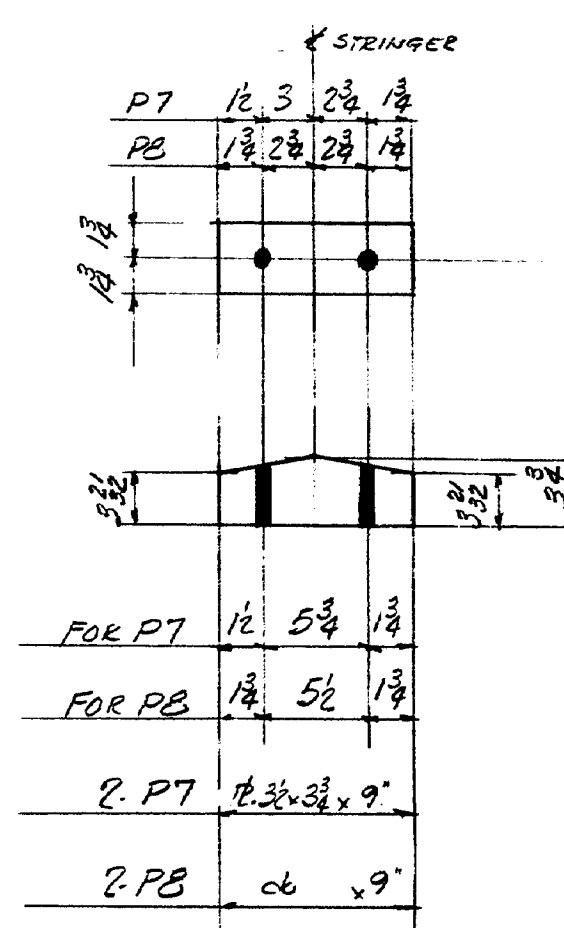
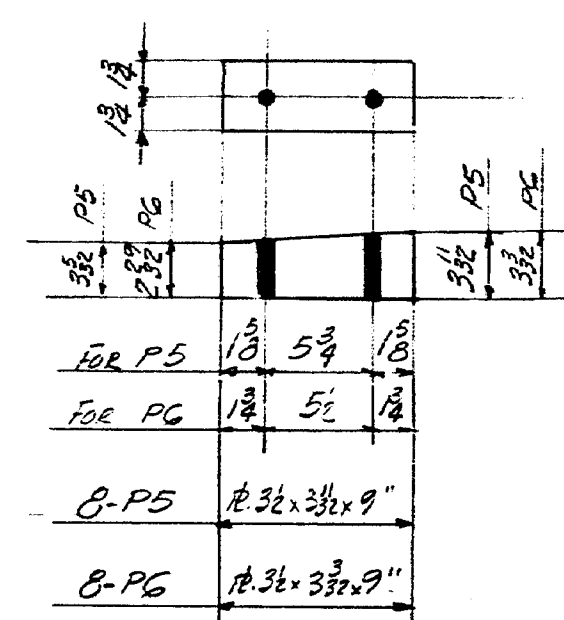
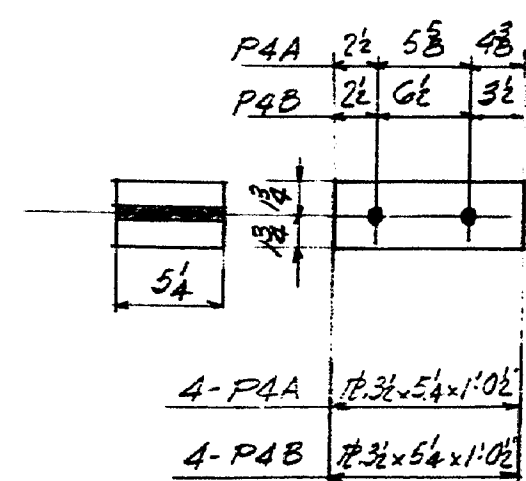
HOLES: 1/16" O.D. PAINT: SEE NOTES

JOB # 6043

SHT # EF-3

178-200





BILL OF MATERIAL			
NO.	PCS.	MARK	REMARKS
4	P4A	1x 3x 5x 1/2	1 0 1/2
4	P4B	1x 3x 5x 1/2	1 0 1/2
8	P5	1x 3x 5x 1/2	2 TAPERED
8	P6	1x 3x 5x 1/2	2 TAPERED
2	P7	1x 3x 5x 1/2	2 TAPERED
2	P8	1x 3x 5x 1/2	2 TAPERED
8	P9	1x 3x 5x 1/2	4 2
2	P10	1x 3x 5x 1/2	4 2
6	P11	1x 3x 5x 1/2	4 2
2	P12	1x 11/4 WIDE	11 5 1/4 TAPERED
2	P13	1x 11/4 WIDE	11 5 1/4 TAPERED
2	P14	1x 11/4 WIDE	11 5 1/4 TAPERED
2	P15	1x 11/4 WIDE	11 5 1/4 TAPERED

NOTES:  
 1. All steel to be ASTM A36.  
 2. Paint one shop coat of Basic Silico Chromate.

Ref. to Draw sheets #10 & 11

PROJECT NUMBER BH-042-1(51) #BH-0250(11)

NEW ENGLAND STEEL FABRICATORS INC.  
 OLD WILTON RD.  
 MILFORD, NEW HAMPSHIRE 03055

PROJECT: HAROLD HANCOCK BRIDGE  
 OVER PENOBSCOT RIVER

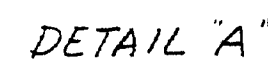
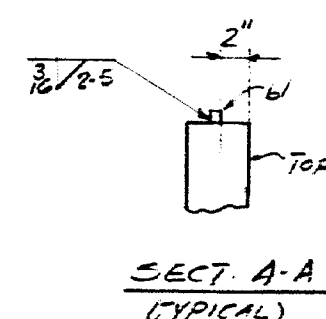
ARCHT: CIANBERG CORP.

CONTRACTOR: CIANBERG CORP.

DR. BY: C.F.E. CHK. BY: DATE:

HOLES: 1/2" PHANT: SEE NOTES

JOB# 6043 SHT# FA



- BASE TOP OF FINGER

2-2

16 PLATE REQ'D.-ONE EACH P16 THRU P31

- Notes
  - 1. All steel to be ASTM A36.
  - 2. Paintone shop coat of Lead Silico Chromate.
  - 3. All holes  $\frac{1}{8}$ " dia /  $2\frac{1}{2}$ " x  $\frac{1}{2}$ " deep counter bore holes (N5).
  - 4. The matching pieces of expansion joint shall be flame cut from a single plate by use of template guided torch and marks marked. The edges of the finger shall be true to shape and smooth and no call force.
  - Any irregularities in the matching faces and any burrs left by cutting shall be removed. The space between the fingers shall be adjusted to allow a  $\frac{3}{8}$ " dia. rod to pass between all fingers in a closed position.

Ref. to Engr sheets #10 & 11

PROJECT NUMBER 2H-042-1(31) & 8H-0250(11)

**NEW ENGLAND STEEL FABRICATORS INC.**  
OLD WILTON, RD.

PROJECT: WALDO-HANCOCK BRIDGE  
OVER PENOBSCOT RIVER

ARCHT:  
CONTRACTOR: CIAMBRO CORP.

DR. BY: C.F.E. CH'K. BY: DATE:

HOLES: SEE NOTES PAINT: SEE NOTES

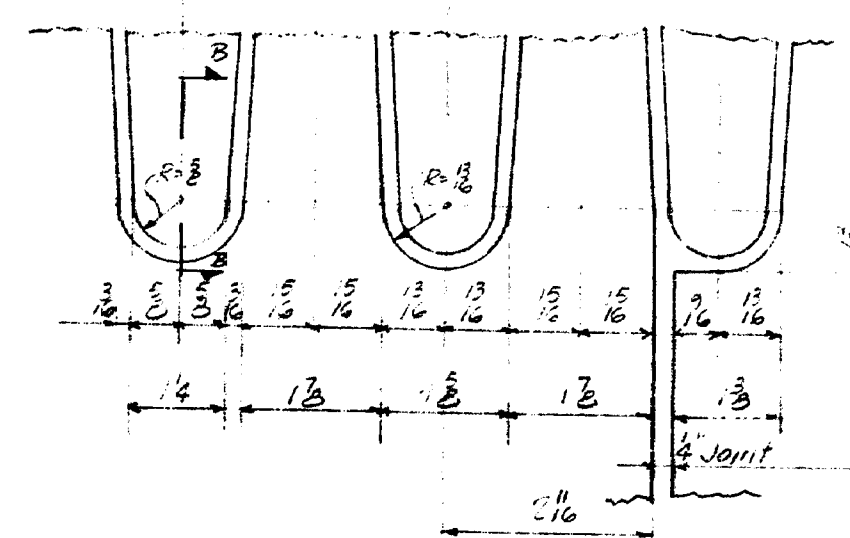
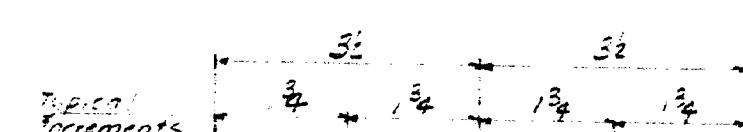
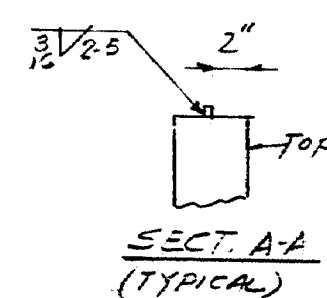
JOB# 6043 SHT# F5

100-2

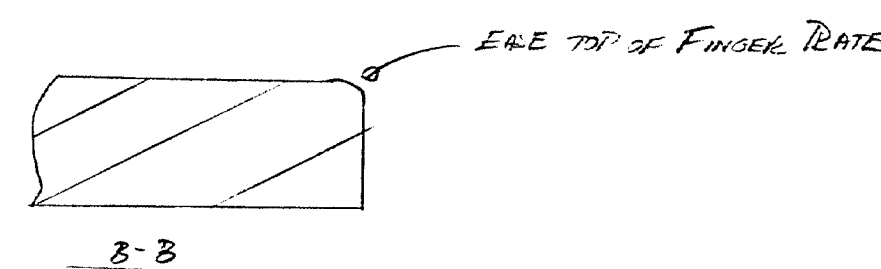
170-2

179-2





DETAIL A



FINGER PLATE PLAN EAST TOWER

16 PLATE REQ'D. - ONE EACH P16 THRU P31

NOTE: NO PAINT ON TOP  
SURFACE OF FINGER  
JOINTS

### BILL OF MATERIAL

NO.	PCS.	MARK	SHAPE	LENGTH	REMARKS
ONE	PGE	78.32	37 1/2	3	113
ONE	P17E			2	53
ONE	P18E			2	53
ONE	P19E			2	53
ONE	P20E			2	74
ONE	P21E			2	53
ONE	P22E			2	53
ONE	P23E			3	113
ONE	P24E			3	11
ONE	P25E			2	53
ONE	P26E			2	53
ONE	P27E			2	53
ONE	P28E			2	74
ONE	P29E			2	53
ONE	P30E			2	53
ONE	P31E			3	11
13	61	60.32	37 1/2	1	0

## FIELD BOLTS

[illegible]

ALL BOLTS TO HAVE TWO HARDENED WASHERS  
& ONE LOCK-NUT (1000 REQ'D)

NOTES

1. All steel to be ASTM A36.
  2. Paint on shop coat of Lead Silica Chromate.
  3. All holes 1/4" or 2" dia x 3" deep counter-bore holes (N.S.).
  4. The matching pieces of ex-manis joint shall be flame-cut from a single plate by use of flameplate guided torch and metal marked. The edges of the fingers shall be true to shape and smooth on the cut face.
- Any irregularities in the matching faces and any burrs left by cutting shall be removed. The surfaces between the fingers shall be as  $\infty$  - to allow a 3/16" gap between bars between all fingers in a closed position.

Ref. to Engr. sheet's #10 & 11

PROJECT NUMBER 8H-042-1(31) & 8H-0250(11)

**NEW ENGLAND STEEL FABRICATORS INC.**

OLD WILTON RD.  
MILFORD, NEW HAMPSHIRE 03055

**PROJECT:** WALDO-HANCOCK BRIDGE  
OVER PENOBSCOT RIVER

ARCH'T:

CONTRACTOR: CIANBRO CORP.

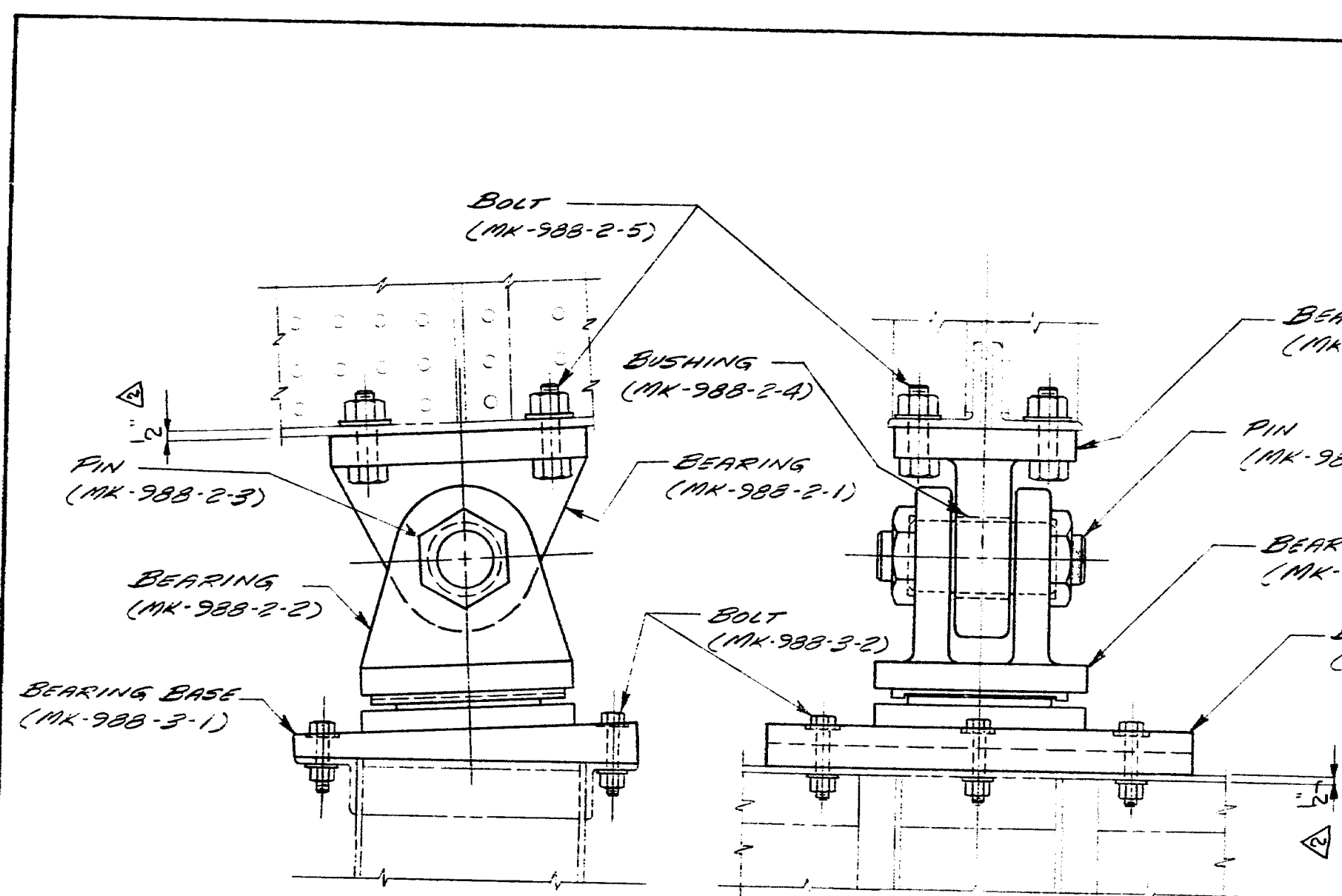
DR. BY: C.F.E. CHK. BY: DATE:

HOLES: SEE NOTES PAINT: SEE NOTES

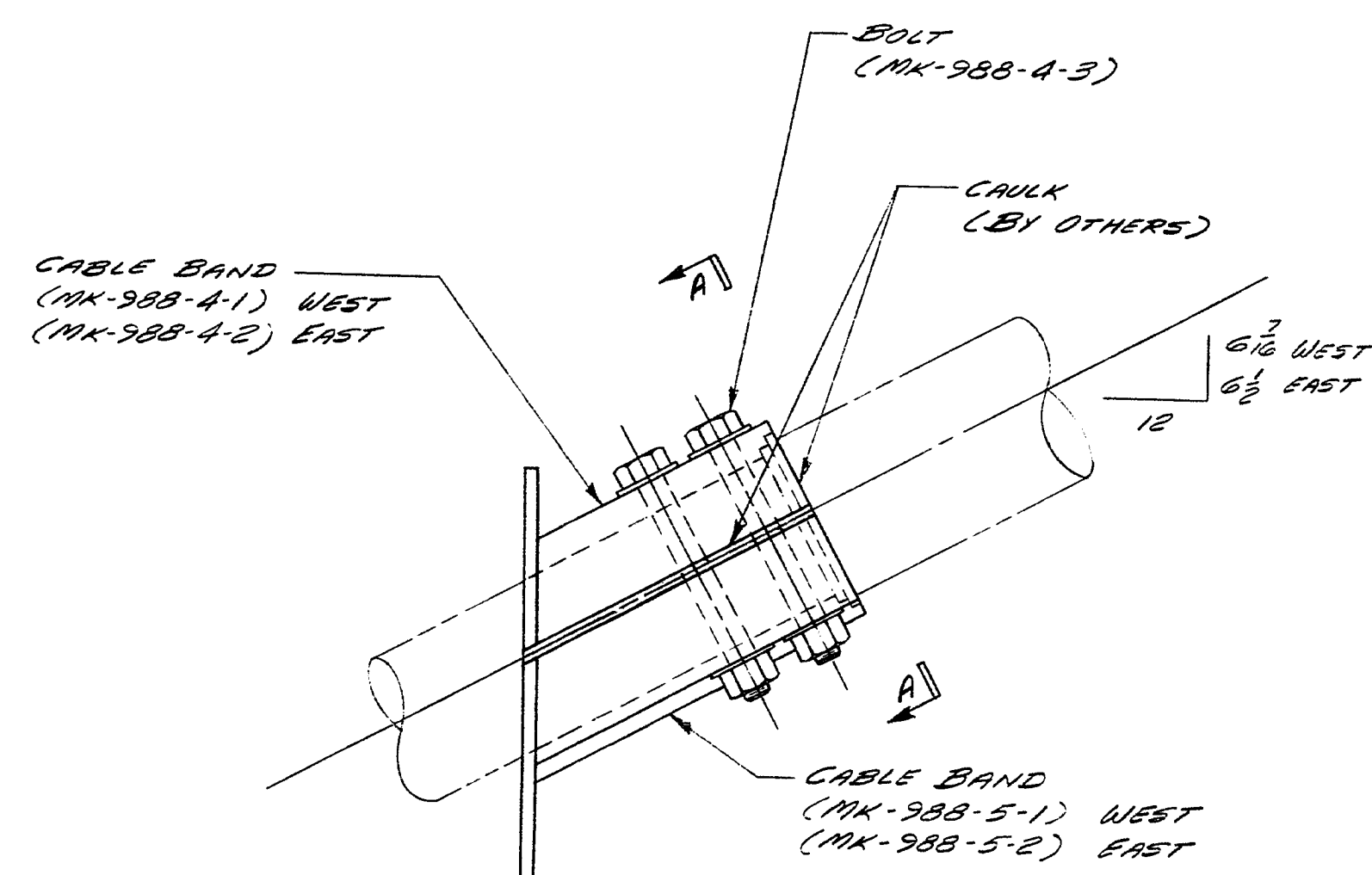
JOB# 6043 SHT# F6

170-2

170-2

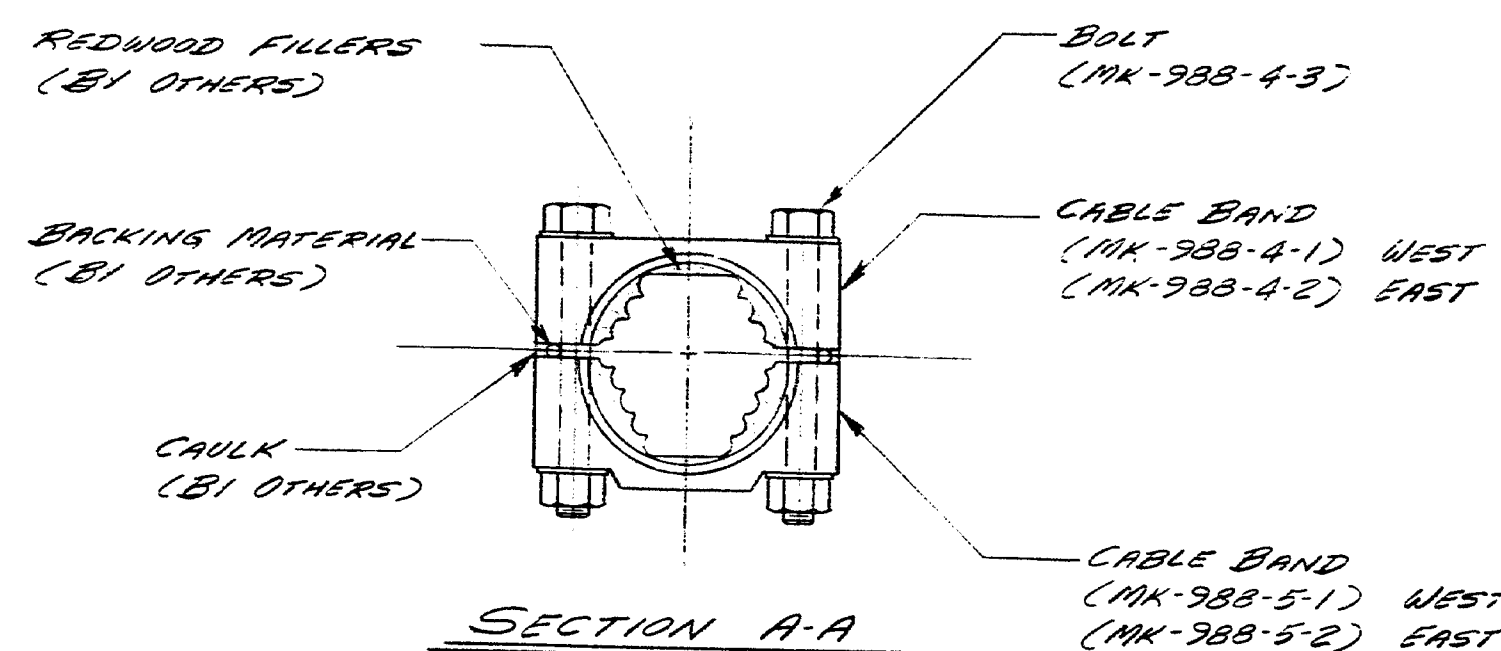


EXPANSION BEARING ASSEMBLY

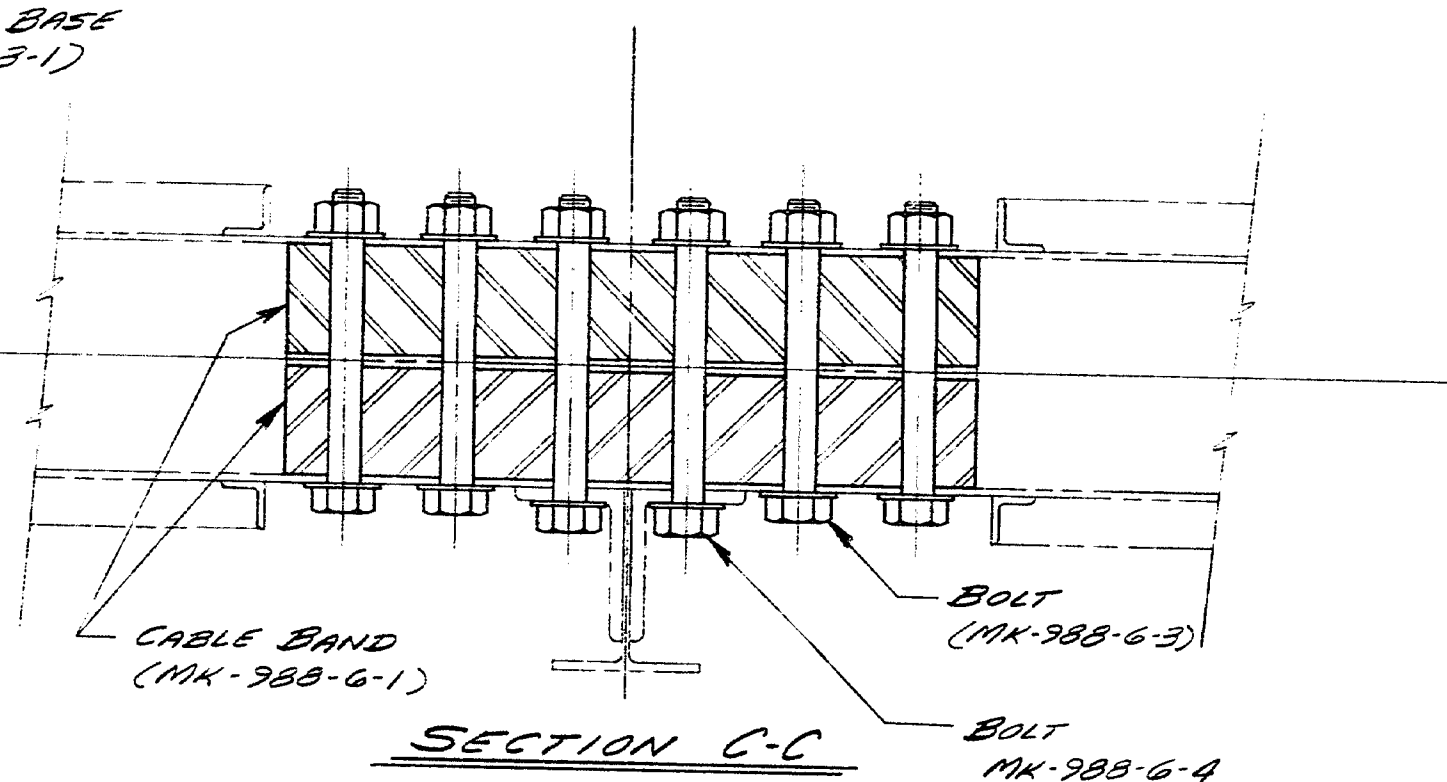


CABLE BAND ASSEMBLY

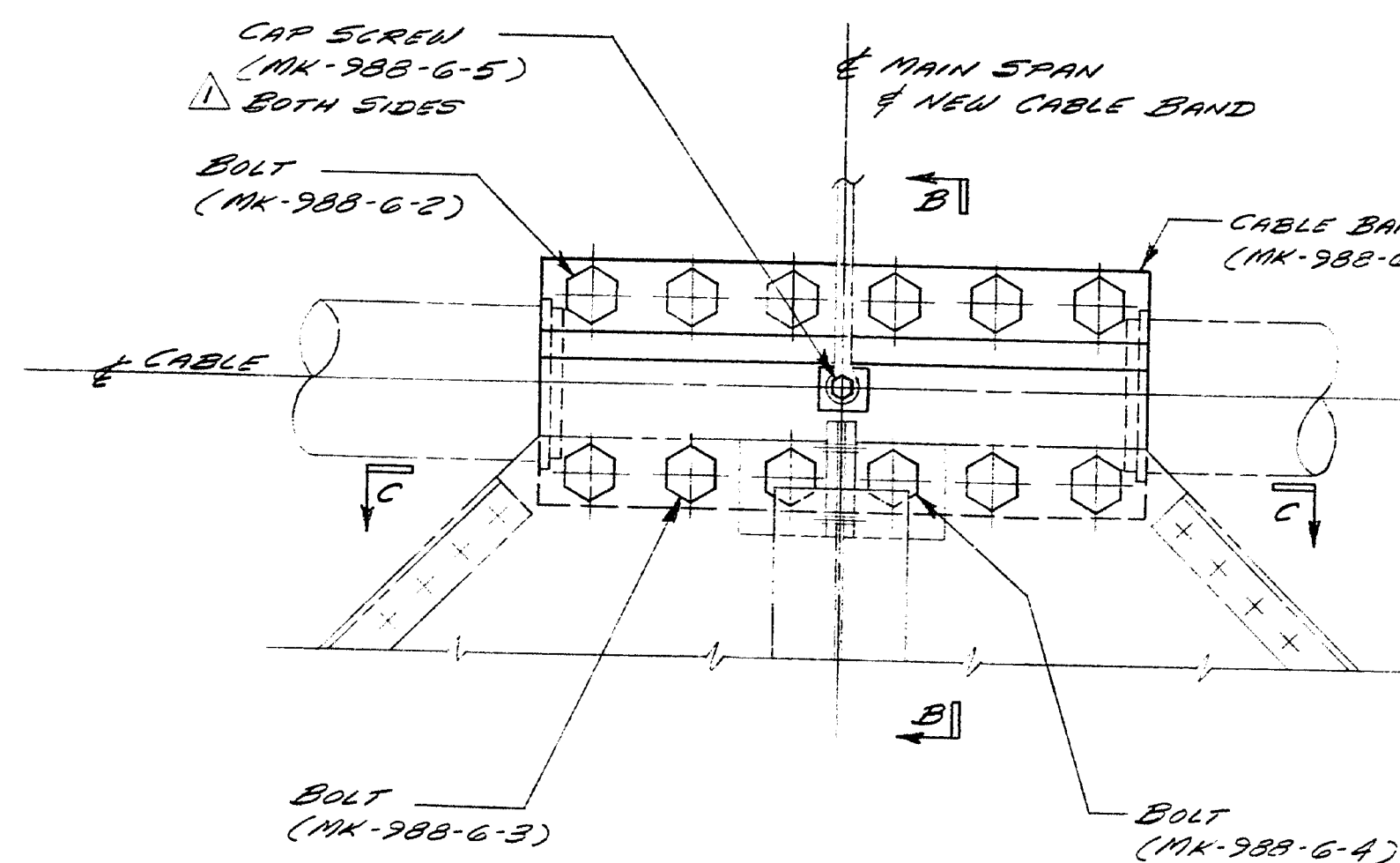
CABLE SHIELD NOT SHOWN - SEE  
CONTRACT DWS. SHT. 15 (BY OTHERS)



SECTION A-A

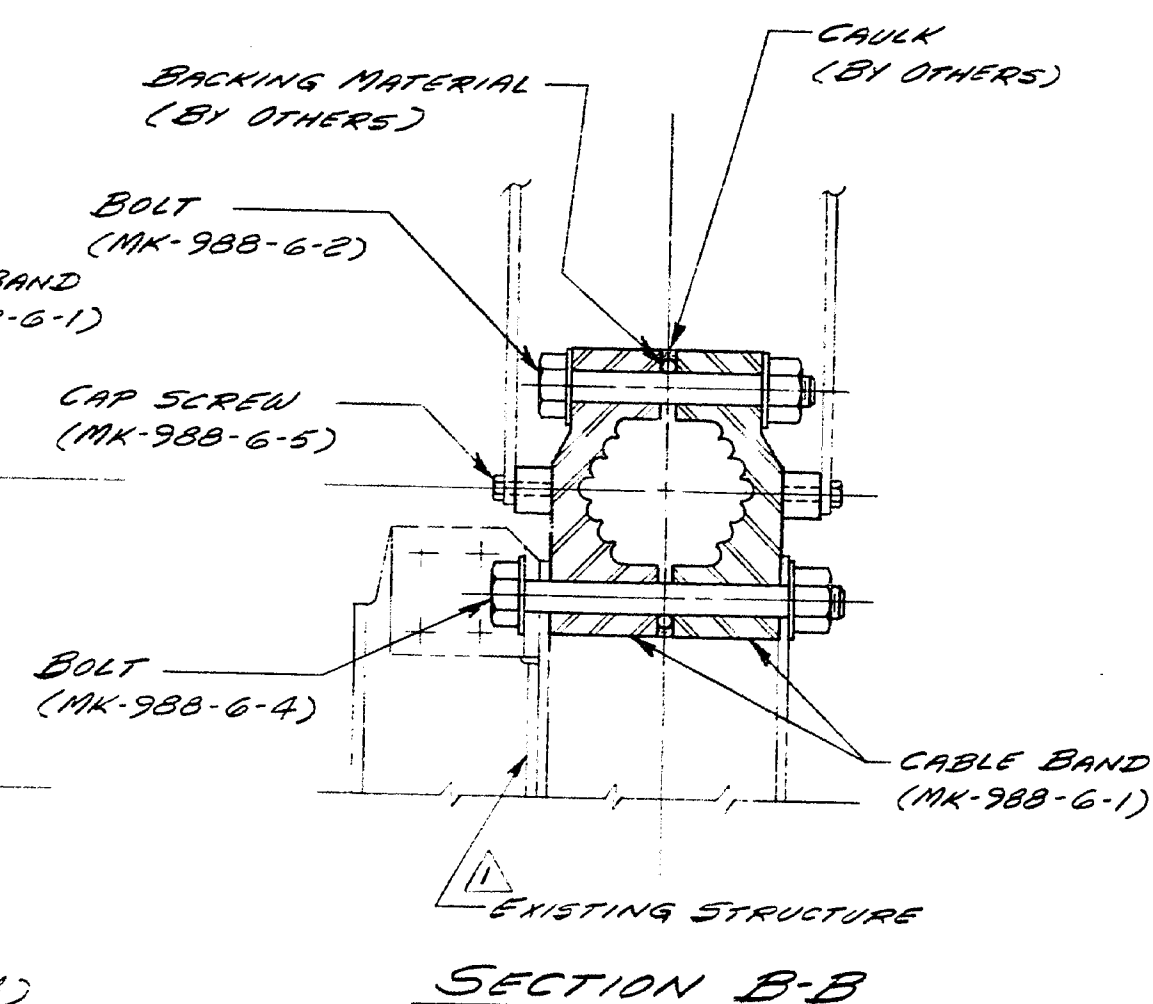


SECTION C-C



CABLE BAND ASSEMBLY

NEW CENTER TIE



SECTION B-B

REFERENCE

CONTRACT DWS. - SHEET 6,7,15.

REHABILITATION OF WALDO-HANCOCK  
BRIDGE OVER PENOBSCOT RIVER  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. BH-042-(31)

**STEWART MACHINE CO.**

BIRMINGHAM, ALABAMA

SUBJECT: REHABILITATION OF BRIDGE

DETAILS: EXPANSION BEARING AND

CABLE BAND ASSEMBLIES

CUSTOMER: CANERO CORPORATION

LOCATION: PITTSFIELD, MAINE

DRAWN: SBA

CHECKED: JES

DATE: 7-15-82

JOB NO. 7276-C

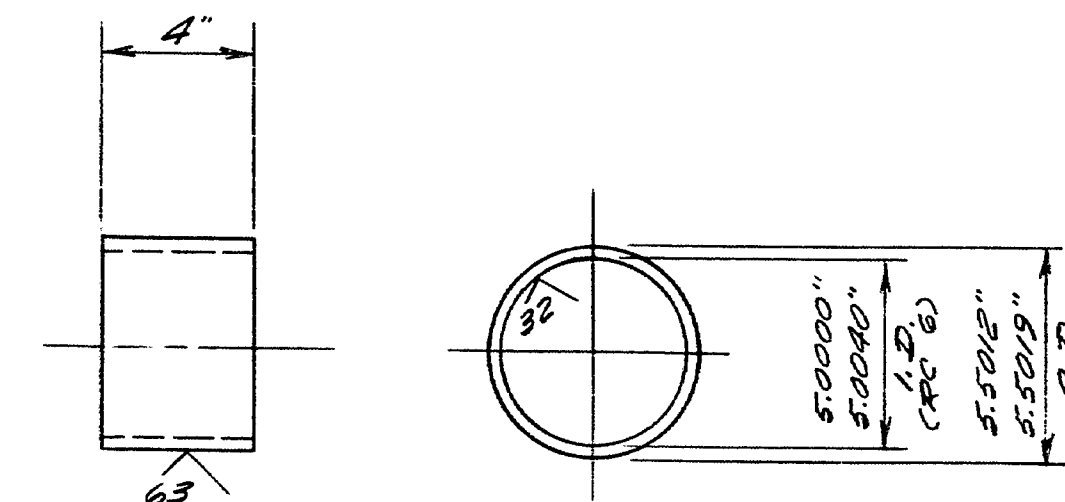
DWG. NO. 988-1

REV. NO. 2

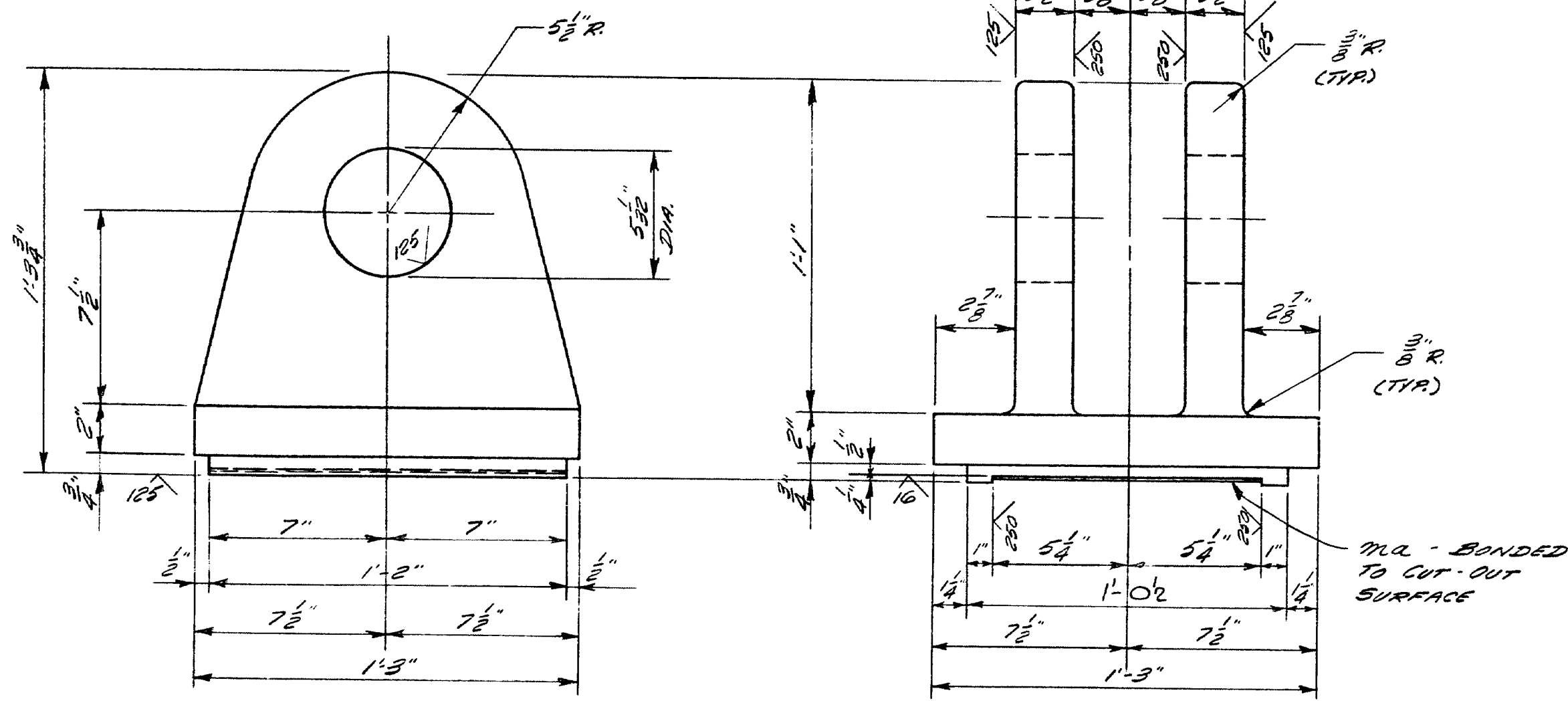
MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED			
FRACTIONAL	DECIMAL	ANGLES	REVISIONS
2/164	2.005	2 1/2	

REV	DATE	DESCRIPTION	BY
2	11-10-82	ADDED DIMENSIONS	SA
1	11-3-82	APPROVAL CHANGES	SBA

179-71°



4 - EXPANSION BEARING (UPPER) MK-988-2-1



4 - EXPANSION BEARING (LOWER) MK-988-2-2

PART			REQ. BY		DRAW. NO.	
					988-2	
PART NAME NO.	NO. OF PIECES REQD.	SECTION DIM.	DESCRIPTION OF MATERIAL		LENGTH	PARTS P.L.W. ONE UNIT
					FEET	L.B.
988 2-1	4		EXPANSION BEARING (UPPER)			
	4		STEEL CASTING (ASTM A27 GR. 70-40)			
988 2-2	4		EXPANSION BEARING (LOWER)			
	4		STEEL CASTING (ASTM A27 GR. 70-40)			
M2	4		TFE FABRIC FIBERS			
			(ASTM D3299 TYPE I CL. A)			
988 2-3	4		PIN			
	4		BAR 5" (ASTM A36)		1	1
	8		RECESSED PIN NUT - M1020			
988 2-4	4		BUSHING			
	4		BRONZE CASTING - ASTM B22 ALLOY C86300			
988 2-5	16		HEX HD. BOLT - 1/4" - 8NC-2A 1 1/2" LG.			
			@ HEX NUT & F.W. (ASTM A325)			

REFERENCE

SMC ASSY DWG. 988-1.  
CONTRACT DWG. - SHEET 6.

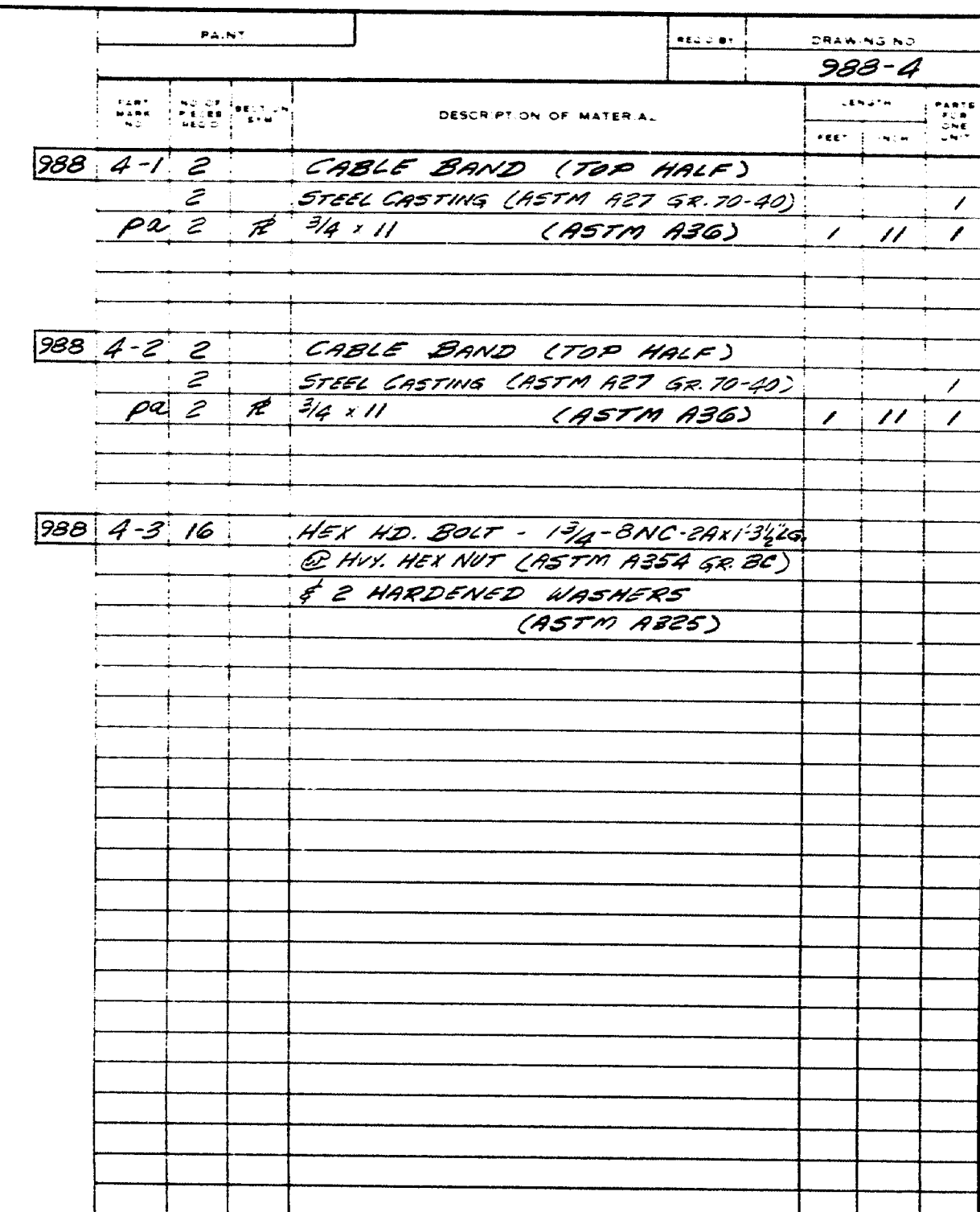
REHABILITATION OF WALDO-HANCOCK  
BRIDGE OVER PENOBSCOT RIVER  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. SH-042-1(31)

<b>STEWART MACHINE CO.</b>			
BIRMINGHAM, ALABAMA			
SUBJECT: <u>REHABILITATION OF BRIDGE</u>			
DETAILS: <u>EXPANSION BEARINGS,</u>			
<u>PIN &amp; BUSHINGS</u>			
CUSTOMER: <u>CARNERO CORPORATION</u>			
LOCATION: <u>PITTSFIELD, MAINE</u>			
DRAWN	<u>589</u>	SCALE	<u>3"=10'</u>
CHECKED	<u>JES</u>	DATE	<u>7-9-82</u>
JOB		DWG.	
NO	<u>7276-C</u>	NO	<u>988-2</u>
			<u>2</u>

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED			2 11-10-82 ADDED BOLT LENGTH APPROVAL CHANGES		SA SEA	DRAWN: SEA CHECKED: JES	DATE: 3-11-82 SCALE: 7-9-82	REV. NO.
FRACTIONAL 2/164	DECIMAL 5.005	ANGLES 5.17°	REV	DATE	DESCRIPTION	BY	JOB NO. 7876-C	DWG. NO. 988-2
			REVISIONS					2

129-73





### REFERENCE

SMC ASS'Y DWG. 988-1.  
CONTRACT DWG. - SHEET 15.

REHABILITATION OF WALDO-HANCOCK  
BRIDGE OVER PENOBSCOT RIVER  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. No. BH-042-1(31)

**STEWART MACHINE CO.**  
BIRMINGHAM, ALABAMA

SUBJECT- REHABILITATION OF BRIDGE  
DETAILS- CABLE BAND

CUSTOMER- CIAMBRO CORPORATION  
LOCATION- PITTSFIELD, MAINE

9	DRAWN: 58A	SCALE: 3"=1'-0"
9	CHECKED: JES	DATE: 7-12-82
	JOB 3236 1	DWG 3236 1

NO. 1516-2	NO. 988-4
------------	-----------

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED		
FRACTIONAL ± 1/64	DECIMAL ± .005	ANGLE ± 1/2°

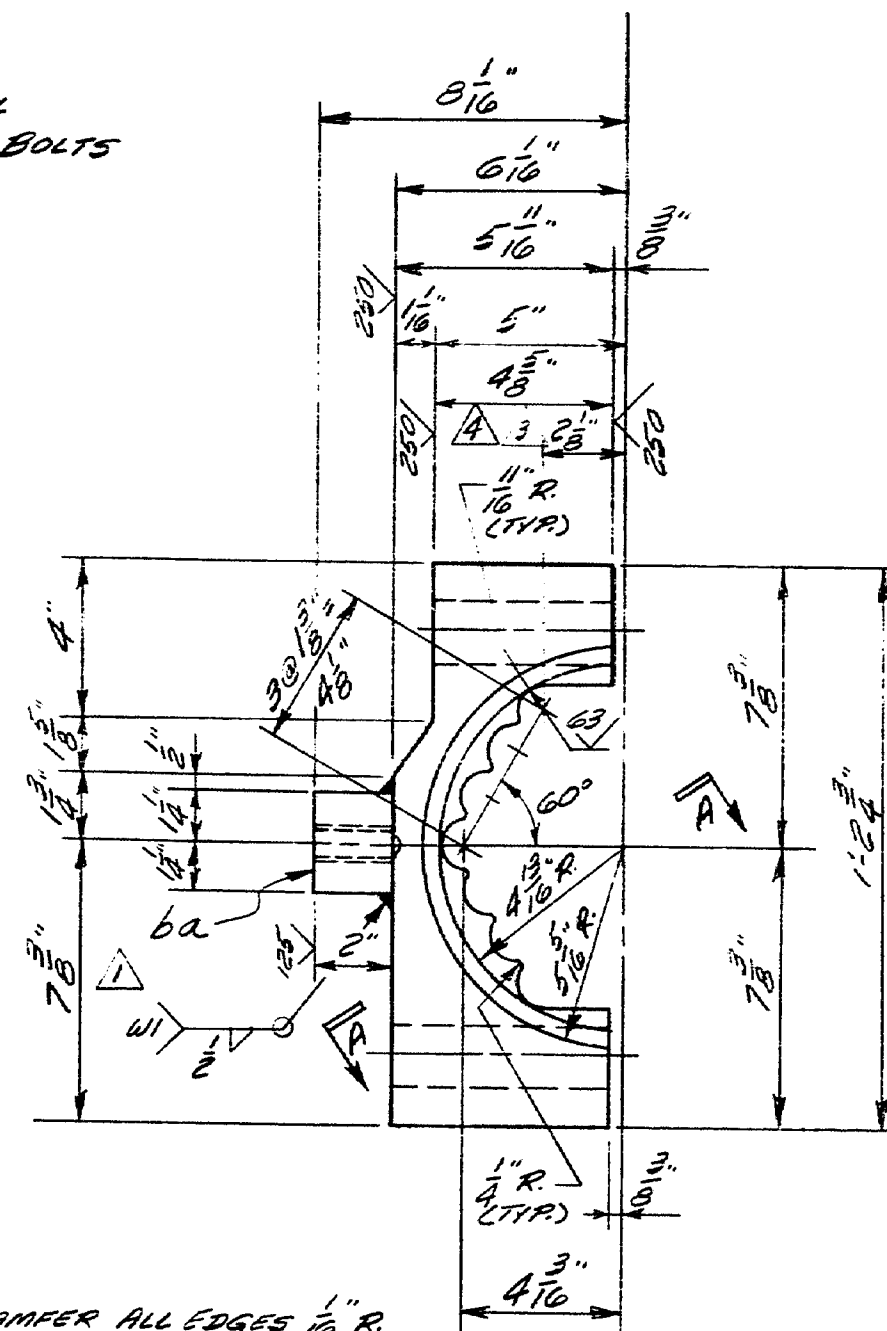
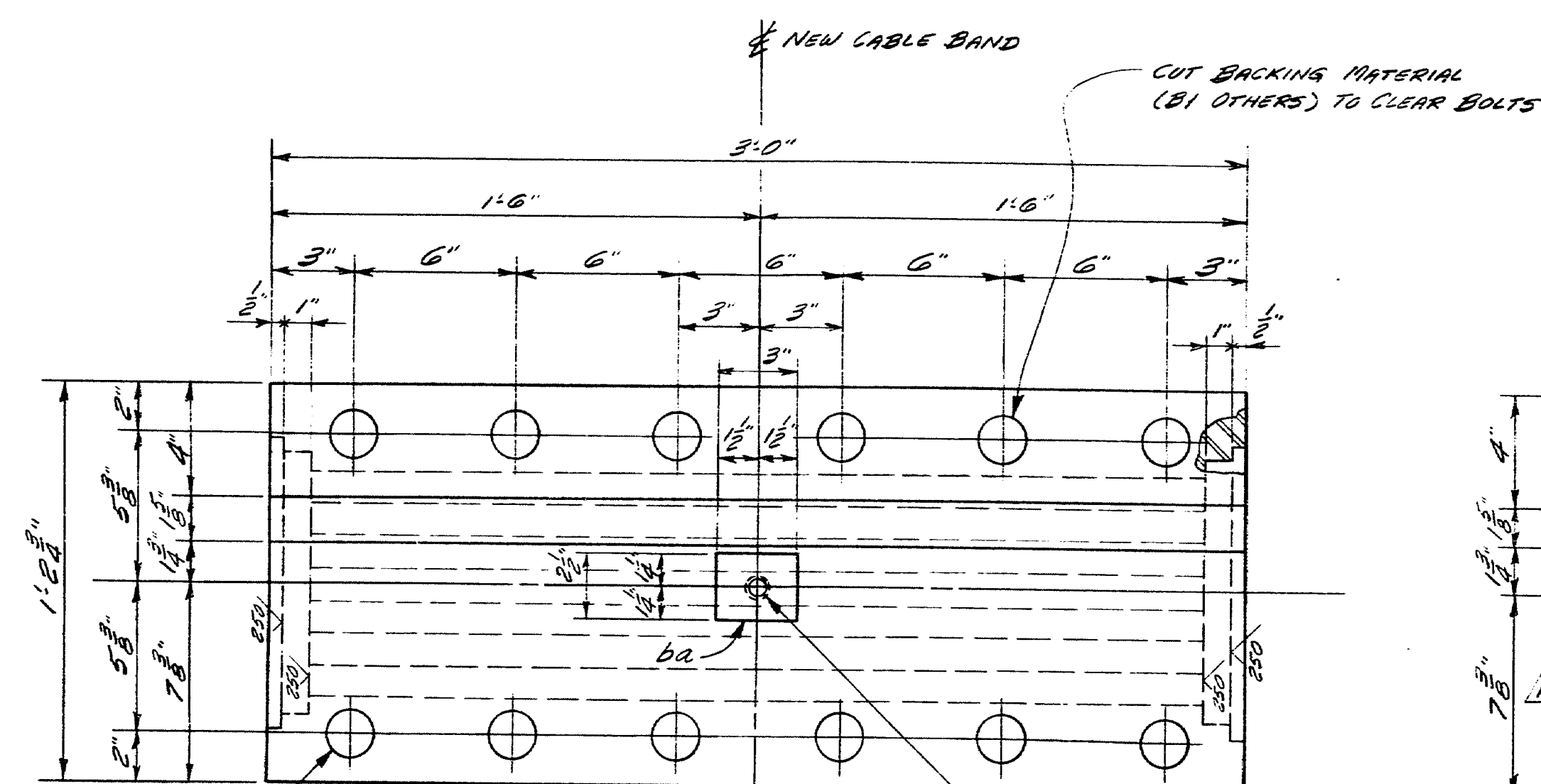
2	12-6-82	CUSTOMER CHANGE	
1	11-3-82	APPROVAL CHANGES	
REV	DATE	DESCRIPTION	
REVISIONS			

58A	DRAWN. 58A	SCALE. 3"=1'-0
58A	CHECKED. JES	DATE. 7-12-82
BY	JOB NO. 7276-C	DWG. NO. 988-1

179-74<sup>9</sup>







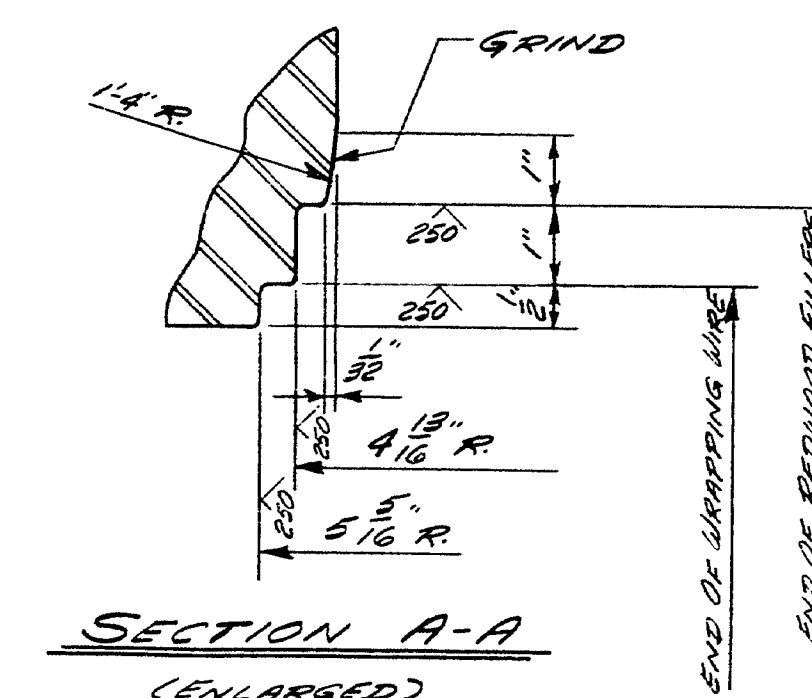
MATCH DRILL  
1 1/8" DIA.  
1/2" HOLES  
FOR MK-988-G-2, 3 & 4

4 - CABLE BAND (HALF) MK-988-G-1

DRILL & TAP  
3/4" UNC-2B 1/2" DEEP  
FOR MK-988-G-5

CHAMFER ALL EDGES 1/16" R

**NOTE**  
MACHINE GROOVES AND DRILL HOLES  
IN CABLE BAND WITH TWO HALVES SECURELY  
FASTENED TOGETHER. MATCH MARK EACH  
HALF FOR SHIPMENT & ERECTION.



PART		DESCRIPTION OF MATERIAL		QUANTITY	
988-G-1		CABLE BAND (HALF)		1	
988-G-2		STEEL CASTING (ASTM A27 GR. 70-40)		1	
988-G-3		HEX HD. BOLT - 1 1/4" - 3/4" - 11 1/2" LG.		12	
988-G-4		HEX HD. NUT (ASTM A304 GR. BC)		12	
988-G-5		HEX HD. CAP SCREW - 3/4" - 10 UNC - 12 1/4" LG.		4	

**REFERENCE**  
SMC RES'Y DWG. 988-1.  
CONTRACT DWG. - SHEET 7.

REHABILITATION OF WALDO-HANCOCK  
BRIDGE OVER PENOBSCOT RIVER  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. BH-082 (B1)

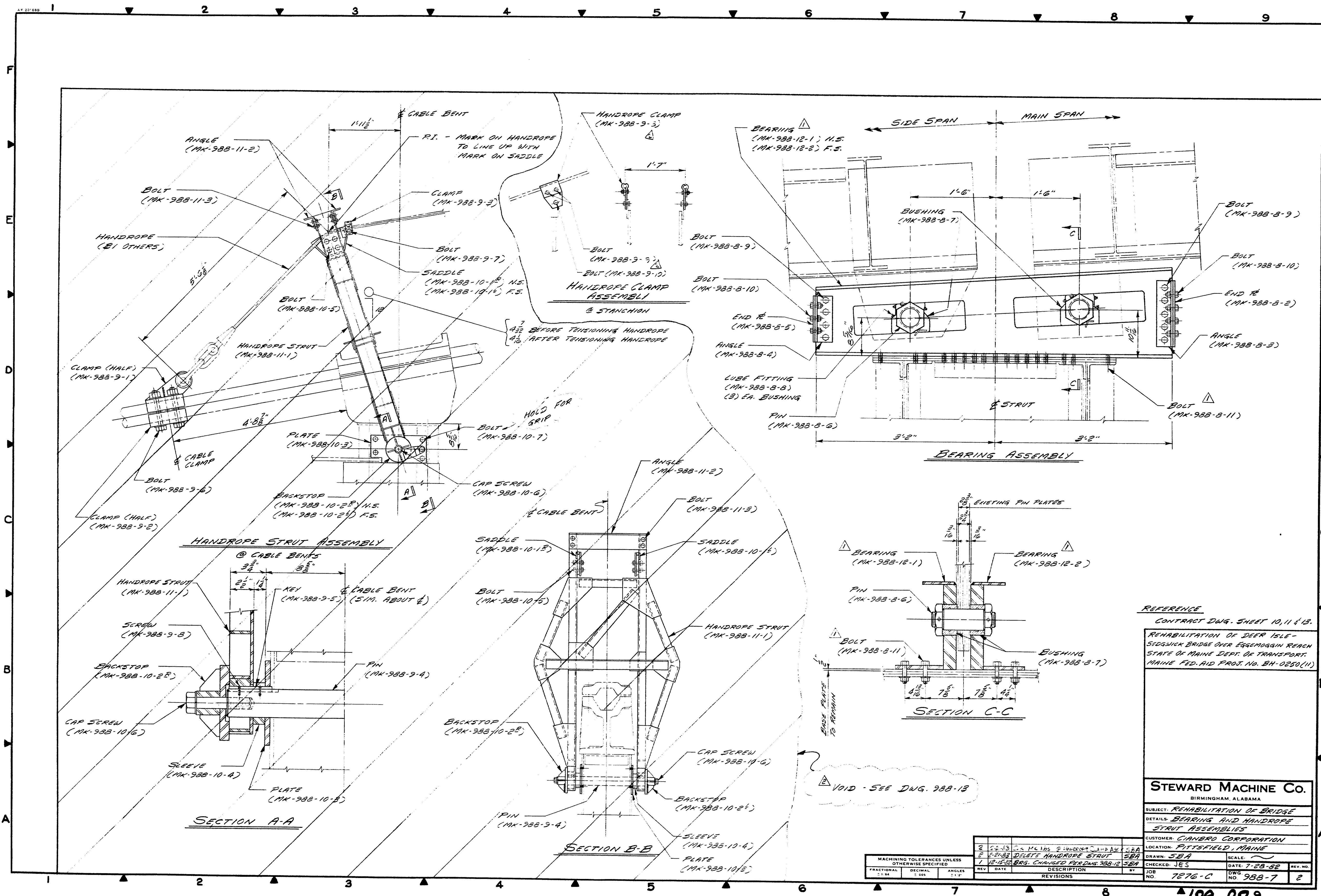
<b>STEWART MACHINE Co.</b> BIRMINGHAM, ALABAMA	
SUBJECT: REHABILITATION OF BRIDGE	
DETAILS: CABLE BAND	
CUSTOMER: CHANDLER CORPORATION	LOCATION: PITTSFIELD, MAINE
DRAWN: SBA	SCALE: 3" = 1'-0"
CHECKED: JES	DATE: 7-13-82
NO. 7276-C	DWG. NO. 988-G-1

REV	DATE	DESCRIPTION	BY	NO.
1	11-3-82	APPROVAL CHANGES	SBA	1
2	11-10-82	ADDED BOLT LENGTH	SBA	2
3	12-6-82	REV. REVISION	SBA	3
4	11-3-82	REV. REVISION	SBA	4

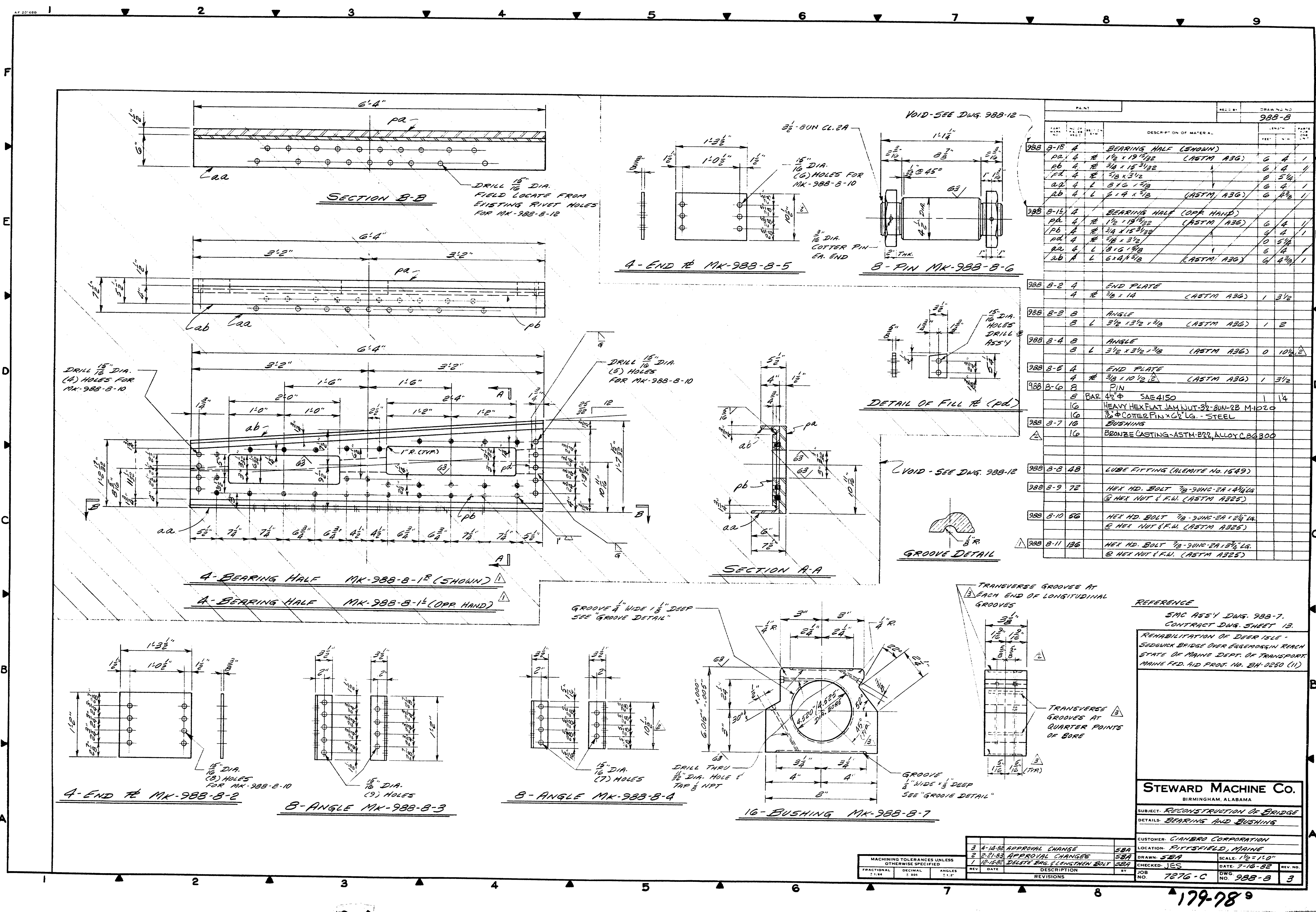
MACHINING TOLERANCES UNLESS  
OTHERWISE SPECIFIED

FRACTIONAL	DECIMAL	ANGLES
±.005	±.005	±.1°

199-76







PART		RECD BY	DRAWING NO
			988-B
DESCRIPTION OF MATERIAL		QTY	UNIT
988-B-15 A BEARING HALF (SHOWN)			
PA 4	R 1 1/2 x 15 1/2	6	4
PA 4	R 3/4 x 15 3/16	6	4
PA 4	R 3/4 x 3 1/2	6	4
PA 4	L 3/4 x 1 1/2	6	4
PA 4	L 3/4 x 3/8	6	4
988-B-15 A BEARING HALF (OPP HAND)			
PA 4	R 1 1/2 x 15 1/2	6	4
PA 4	R 3/4 x 15 3/16	6	4
PA 4	R 3/4 x 3 1/2	6	4
PA 4	L 3/4 x 1 1/2	6	4
PA 4	L 3/4 x 3/8	6	4
988-B-2 A END PLATE			
4	R 3/4 x 14	1	3 1/2
988-B-3 B ANGLE			
8	L 3 1/2 x 3 1/2 x 3/8	1	2
988-B-4 B ANGLE			
8	L 3 1/2 x 3 1/2 x 3/8	0	10 1/2
988-B-5 A END PLATE			
4	R 3/4 x 10 1/2	1	3 1/2
988-B-6 B PIN			
8	BAR 4 1/2 x SAE4150	1	14
16	HEAVY HEX FLAT JAM NUT 3/8-24-2B M1020		
16	3/8 x COTTER PIN x 6 1/2 LG. - STEEL		
988-B-7 16 BUSHING			
16	BRONZE CASTING-ASTM-B22, ALLOY C86300		
988-B-8 48 LUBE FITTING (ALUMITE NO. 1549)			
988-B-9 72 HEX HD. BOLT 7/8-24-2A x 3 1/4 LG			
988-B-10 56 HEX HD. BOLT 7/8-24-2A x 2 1/4 LG			
988-B-11 136 HEX HD. BOLT 7/8-24-2A x 1 3/4 LG			

REFERENCE  
 SMC ASS'Y DWG. 988-7.  
 CONTRACT DWG. SHEET 13.  
 REHABILITATION OF DEER ISLE -  
 SEDGWICK BRIDGE OVER EAGLEHORN REACH  
 STATE OF MAINE DEPT. OF TRANSPORT.  
 MAINE FED. AID PROJ. NO. 2H-0250 (11)

**STEWART MACHINE CO.**  
 BIRMINGHAM, ALABAMA

SUBJECT: RECONSTRUCTION OF BRIDGE  
 DETAILS: BEARING AND BUSHING

CUSTOMER: CIAMRO CORPORATION  
 LOCATION: PITTSFIELD, MAINE

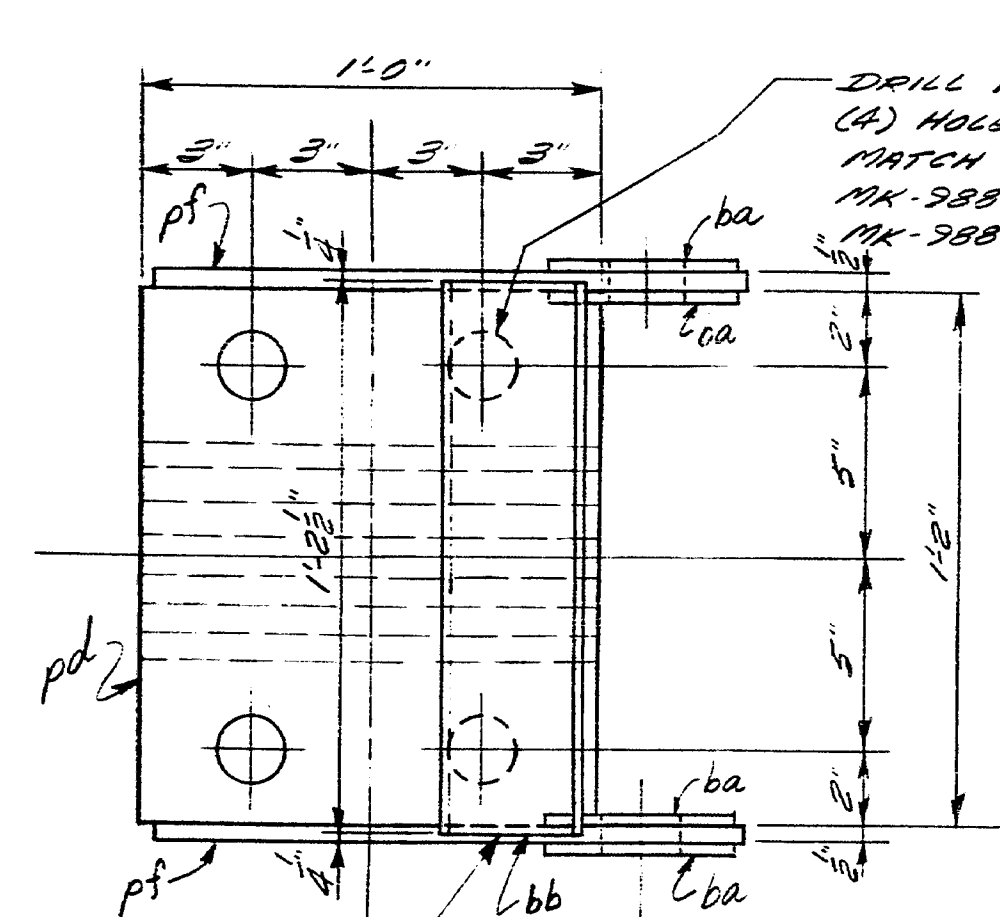
DRAWN: SBA  
 CHECKED: JES  
 DATE: 7-16-82

SCALE: 1 1/2" = 1'-0"

JOB NO. 7276-C  
 DWG. NO. 988-B  
 REV. NO. 3

REVISIONS		DATE	DESCRIPTION
3	4-10-82	APPROVAL CHANGE	SBA
2	2-21-83	APPROVAL CHANGES	SBA
1	12-15-83	DELETE BWS & LENGTHEN BOLT	SBA

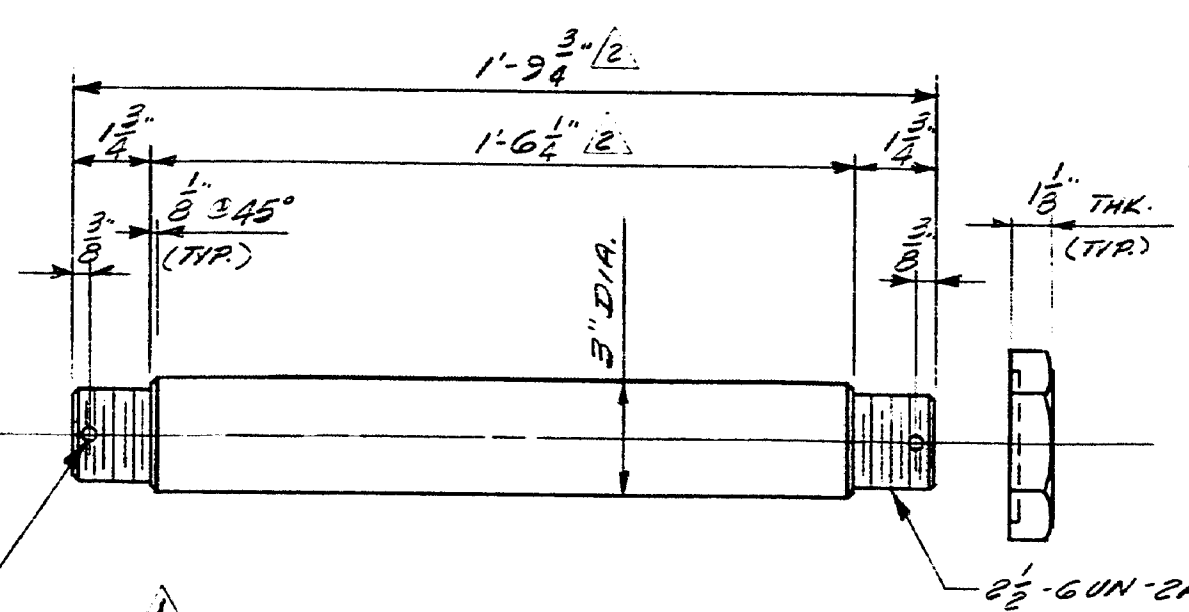
179-789



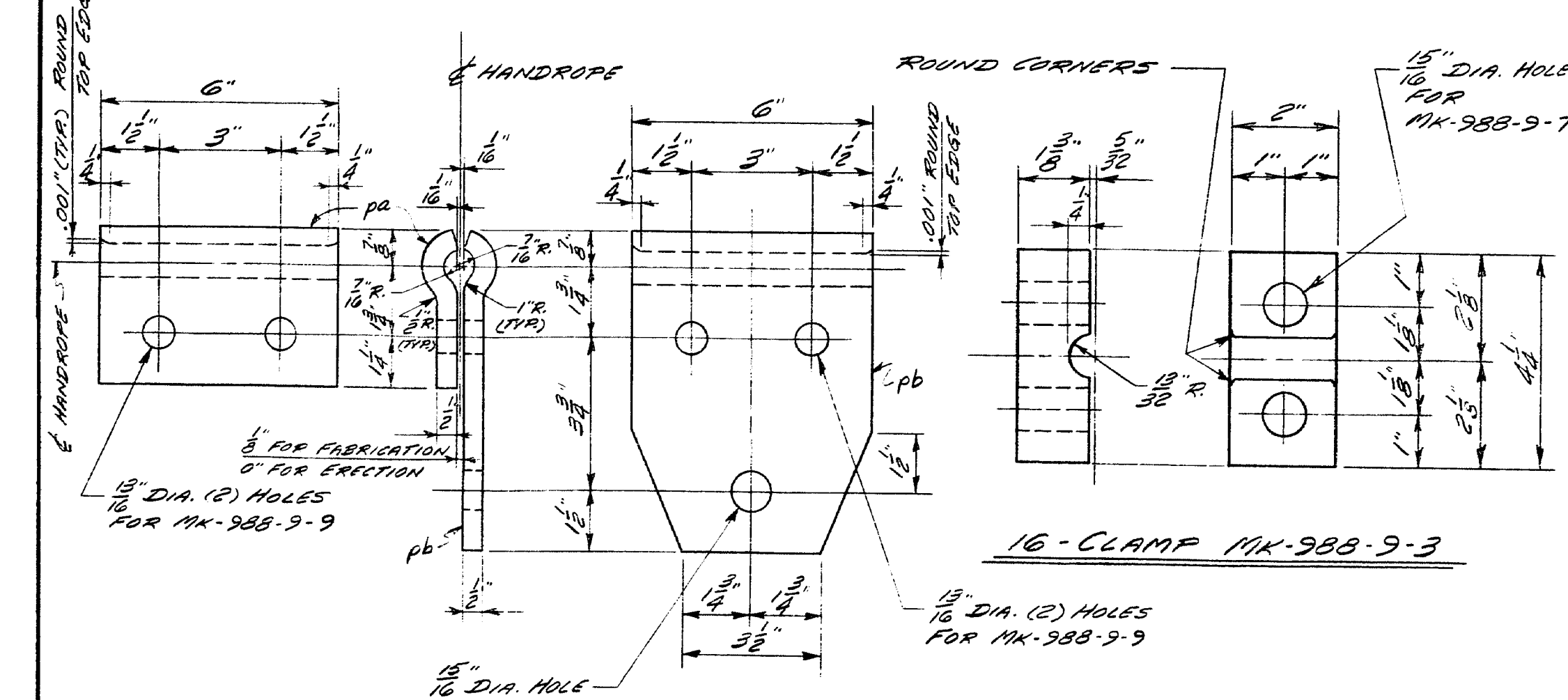
4 - CABLE CLAMP (HALF) MK-988-9-1

2 1/2" GUN-28  
RECESSED HEX  
NUT EACH END

DRILL THRU 3/8" DIA.  
EACH END FOR  
MK-988-9-5

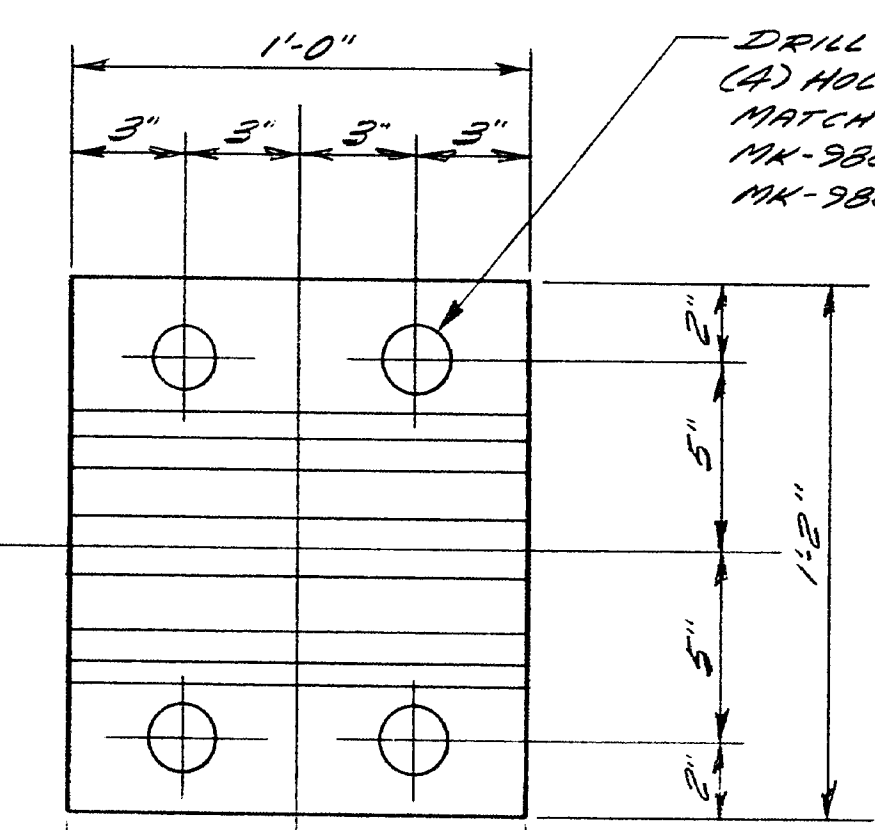


4 - PIN MK-988-9-4

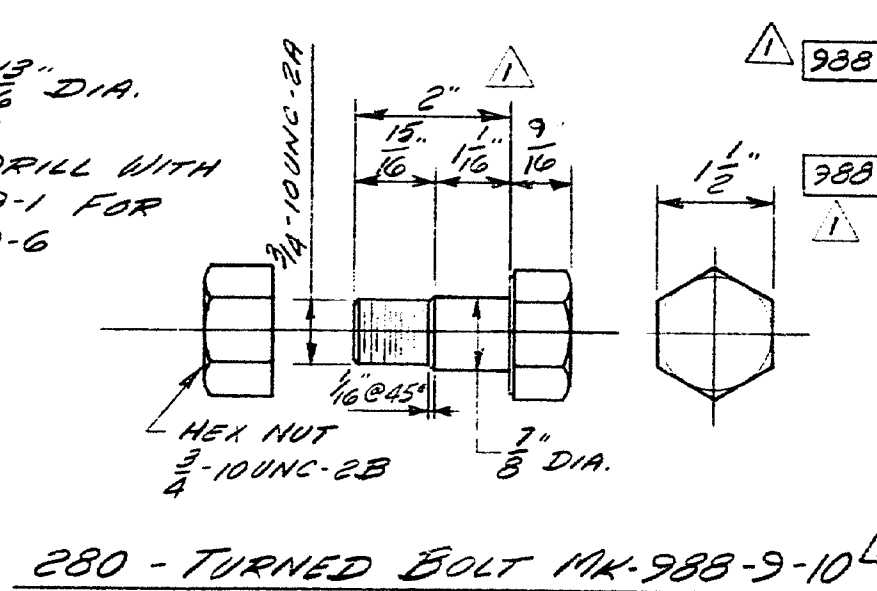


280 - HANDROPE CLAMP MK-988-9-8

16 - CLAMP MK-988-9-3



4 - CABLE CLAMP (HALF) MK-988-9-2



280 - TURNED BOLT MK-988-9-10

PART		DESCRIPTION OF MATERIAL		QUANTITY	
988-9-1	4	CABLE CLAMP (HALF)		1	2
988-9-2	4	CABLE CLAMP (HALF)		1	2
988-9-3	16	CLAMP		0	4 1/2
988-9-4	4	PIN		1	3 1/2
988-9-5	8	3/16" DIA. COTTER PIN 1 1/4" LG. (STEEL)		1	2
988-9-6	16	HEX HD. BOLT 1 1/4" GUN-28 1 1/2" LG. (ASTM A307)		1	2
988-9-7	16	HEX HD. BOLT 1 1/4" GUN-28 1 1/2" LG. (ASTM A307)		1	2
988-9-8	280	HANDROPE CLAMP		0	6
988-9-9	560	HEX HD. BOLT 3/4" GUN-28 1 1/2" LG. (ASTM A307)		0	8 1/2
988-9-10	280	TURNED BOLT		1	2

REFERENCE  
SAC ASSY DWG. 988-13.  
CONTRACT DWG. SHEET 103-11.  
REHABILITATION OF DEER ISLE-  
SEAGWICK BRIDGE OVER EISENHORN REACH  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. BH-0250(11)

**STEWART MACHINE Co.**  
BIRMINGHAM, ALABAMA

SUBJECT: REHABILITATION OF BRIDGE  
DETAILS: CABLE CLAMPS, SPACER,  
AND PIN

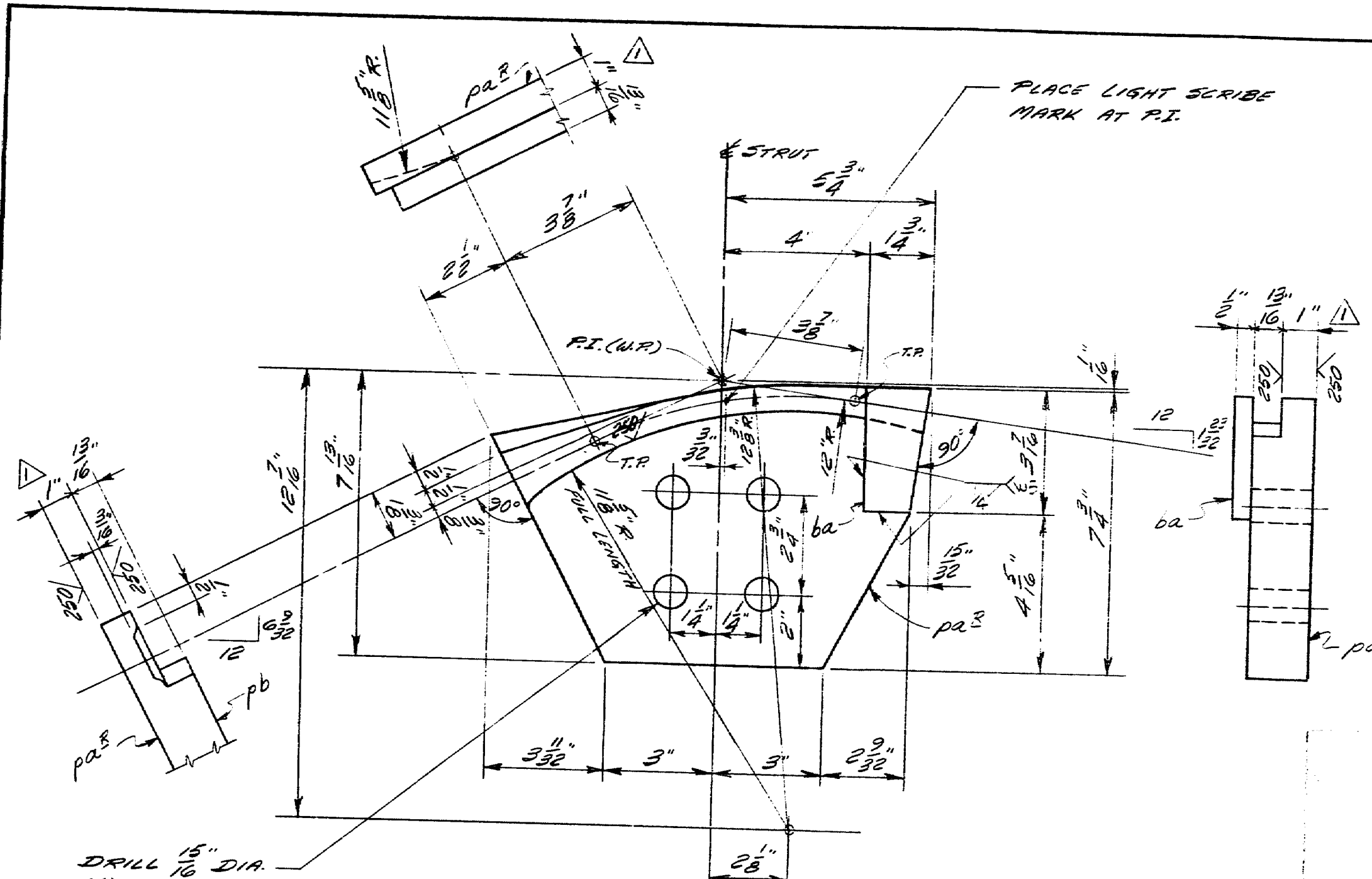
CUSTOMER: CHANDLER CORPORATION  
LOCATION: PITTSFIELD, MAINE

DRAWN: SBA  
CHECKED: JES  
DATE: 7-19-82  
JOB NO. 7276-C  
DWG. NO. 988-9

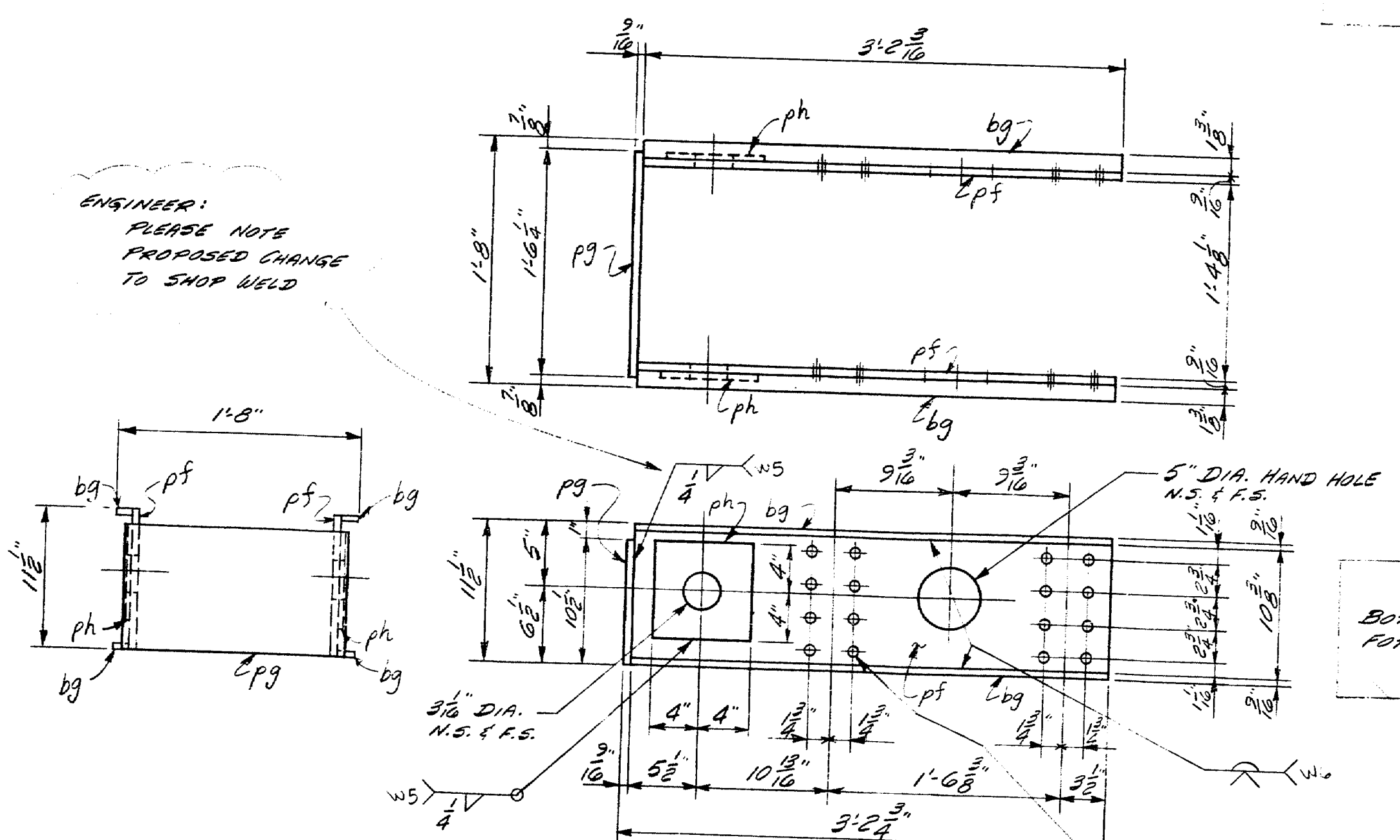
REV	DATE	DESCRIPTION	BY
1	7-19-82	APPROVAL CHANGE	SBA
2	7-19-82	RE-DESIGN CABLE CLAMP & PIN - LENGTHEN BOLT MK-988-9-10	SBA
3	7-19-82	DELETE KEY NUMBER MK-988-9-10	SBA

179-79

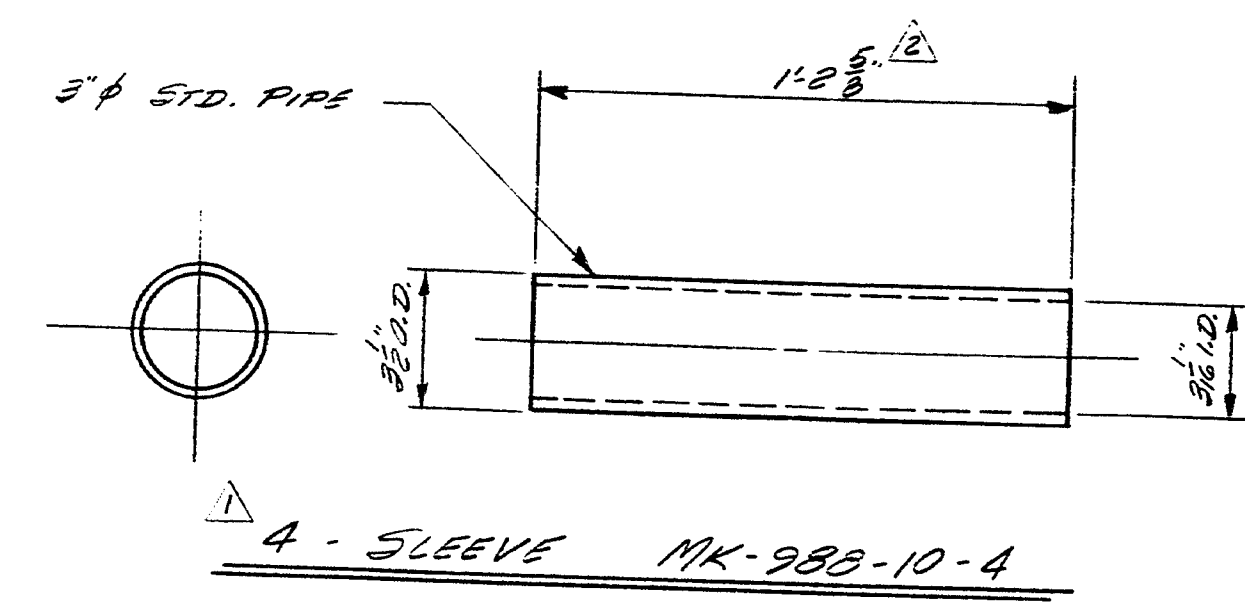




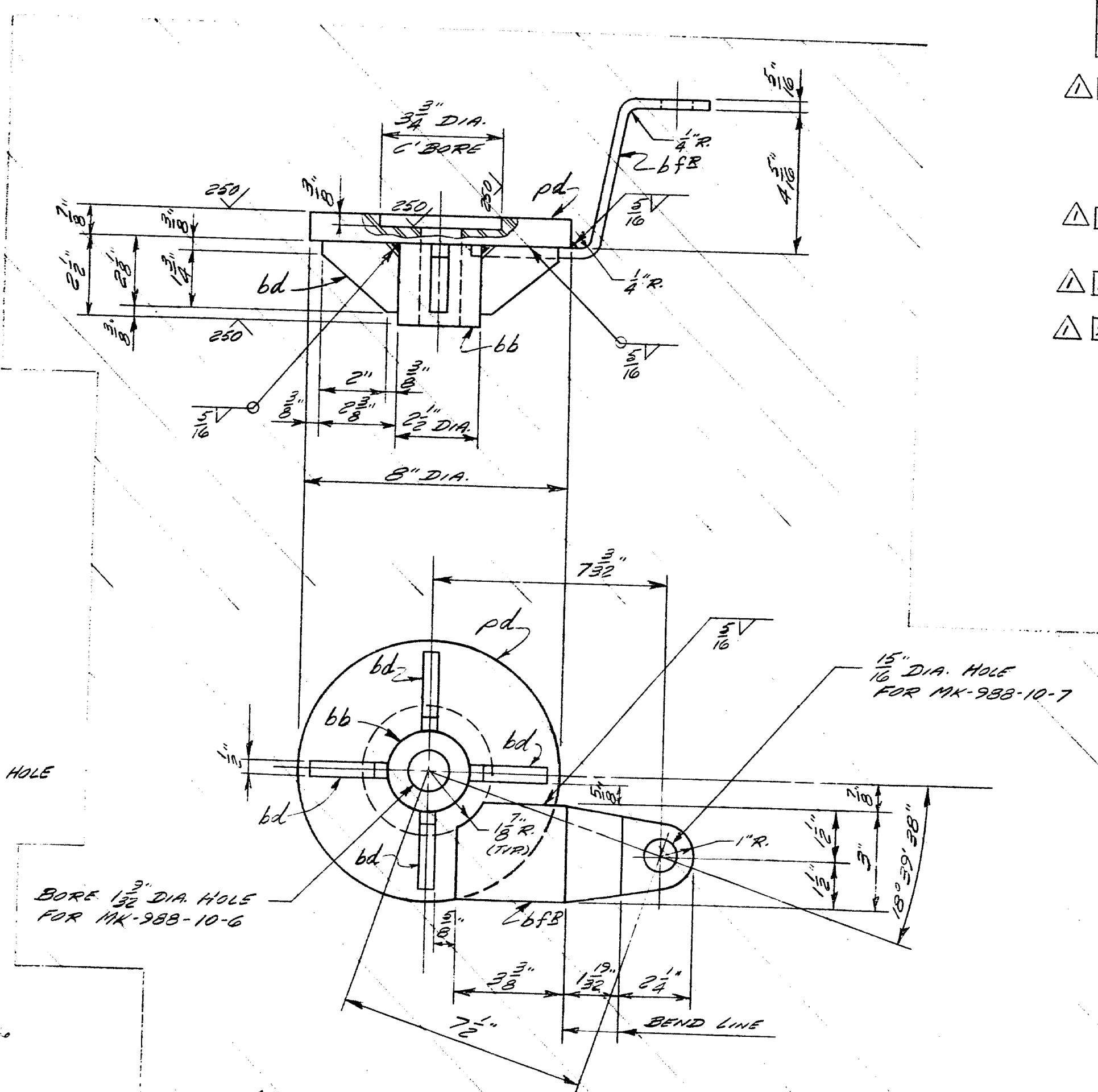
4 - SADDLE MK-988-10-18 (SHOWN)  
4 - SADDLE MK-988-10-14 (OPP. HAND)



4 - STRUT SUPPORT MK-988-10-3



4 - SLEEVE MK-988-10-4



4 - BACKSTOP MK-988-10-28 (SHOWN)  
4 - BACKSTOP MK-988-10-24 (OPP. HAND)

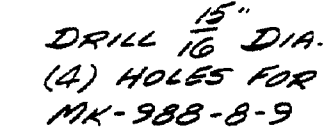
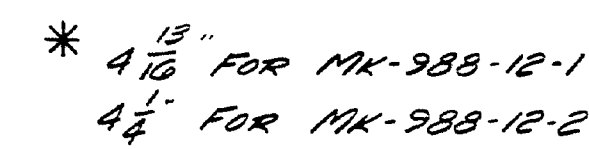
PART				REV. NO.	DRAWING NO.	
					988-10	
ITEM NO.	QTY.	DESCRIPTION OF MATERIAL	LENGTH	FEET	INCHES	UNIT
988-10-18	4	SADDLE (SHOWN)				
10-18	4	2 x 7 3/4 (ASTM A36)		1	0 3/4	1
6a	4	BAR 1 3/4 x 1/2 (ASTM A36)		0	3 1/4	1
988-10-14	4	SADDLE (OPP. HAND)				
10-14	4	2 x 7 3/4 (ASTM A36)		1	0 3/4	1
6a	4	BAR 1 3/4 x 1/2 (ASTM A36)		0	3 1/4	1
988-10-28	4	BACKSTOP (SHOWN)				
10-28	4	1 x 8" DIA. (ASTM A36)				1
6b	4	BAR 2 1/2" DIA.		0	2 3/4	1
6d	16	BAR 2 1/2" x 1/2"		0	2 3/4	1
6f	4	BAR 3 1/2" DIA. BENT (ASTM A36)		0	10 1/2	1
988-10-24	4	BACKSTOP (OPP. HAND)				
10-24	4	1 x 8" DIA. (ASTM A36)				1
6b	4	BAR 2 1/2" DIA.		0	2 3/4	1
6d	16	BAR 2 1/2" x 1/2"		0	2 3/4	1
6f	4	BAR 3 1/2" DIA. BENT (ASTM A36)		0	10 1/2	1
988-10-3	4	STRUT SUPPORT				
10-3	4	3/8" x 11 1/2" (ASTM A36)		3	2 3/4	2
6f	4	3/8" x 10 1/2"		1	6 1/4	1
6h	4	3/8" x 8"		0	3	2
6g	16	BAR 3/8" x 1 1/4" (ASTM A36)		3	2 3/4	4
988-10-4	4	SLEEVE				12
10-4	4	PIPE 3" STD. 3/4" O.D. .016" WALL THICKNESS		1	2 3/4	1
988-10-5	32	HEX HD. BOLT 7/8" UNC-2A x 3 1/2" LG. (ASTM A325)				
		32 HEX NUT & F.W. (ASTM A325)				
988-10-7	128	HEX HD. BOLT 7/8" UNC-2A x 2 1/4" LG. (ASTM A325)				
		128 HEX NUT & F.W. (ASTM A325)				

REFERENCE  
SNC ASS'Y DWG. 988-13.  
CONTRACT DWG. SHEET 10, 10B & 11  
REHABILITATION OF DEER ISLE -  
SEDQUICK BRIDGE OVER EGGMOSS RIVER  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. 2H-0250 (11)

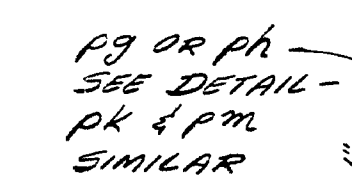
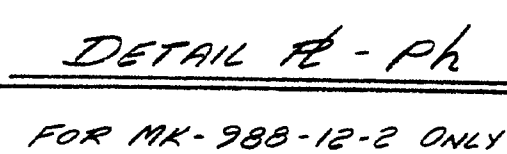
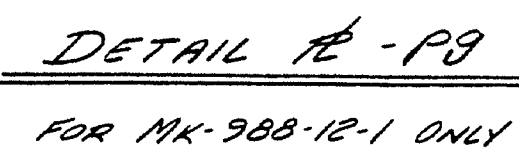
<b>STEWART MACHINE CO.</b> BIRMINGHAM, ALABAMA	
SUBJECT: REHABILITATION OF BRIDGE	
DETAILS: HANDRAIL SADDLE AND MISC. DETAILS	
CUSTOMER: CANNON CORPORATION	
LOCATION: PITTSFIELD, MAINE	
DRAWN: SBA	SCALE: 1/8" = 1'-0"
CHECKED: ES	DATE: 7-20-82
JOB NO. 7276-C	DWG. NO. 988-10
REV. NO. 2	

179-80

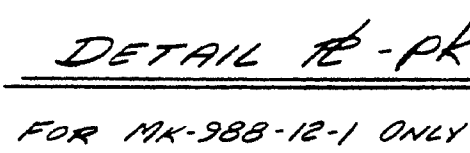
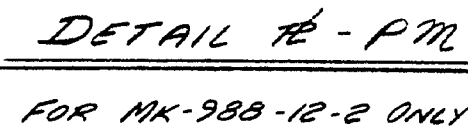




4 - BEARING HALF MK-988-12-2 (OPP. HAND & NOTED)



SECTION A-A



988	12-1	4	BEARING HALF (AS SHOWN & NOTED)			
PA	4	#	2 1/2 x 17 1/2	(ASTM A36)	6	4 ON
PB	4	#	5/8 x 7		6	4 ON
PC	4	#	1 x 9 1/16		6	4 ON
PD	4	#	3/4 x 6		0	3 3/4 ON
PK	4	#	3/4 x 3 1/2	(ASTM A36)	0	3 3/4 ON

[illegible]

SMC ASS'Y DWG. 988-7.  
CONTRACT DWG. SHEET 13A.

REHABILITATION OF DEER ISLE -  
SEDGWICK BRIDGE OVER EGGEMOGGIN REACH  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. BH-0250(11)

STEWART MACHINE CO.

BIRMINGHAM, ALABAMA

SUBJECT: *RECONSTRUCTION OF BRIDGE*

DETAILS: *BEARING*

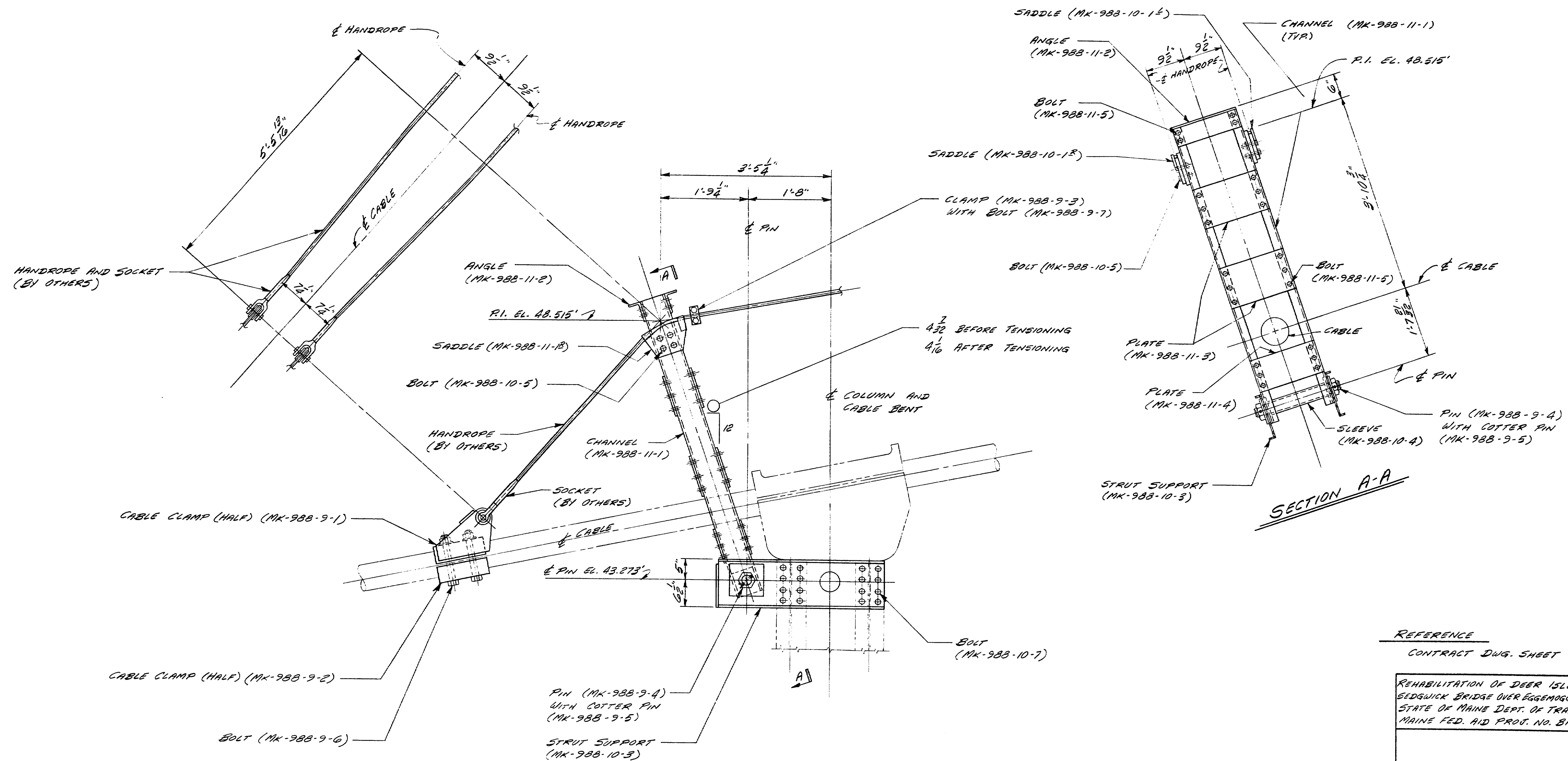
CUSTOMER- GIANBRO CORPORATION  
LOCATION- PITTSFIELD, MAINE

BA	DRAWN- SBA	SCALE- 1/2" = 1'-0"	
BA	CHECKED- JES	DATE- 12-14-82	REV. NO.
Y	JOB NO. 7276-C	DWG. NO. 988-12	2

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED			2	4-10-83	APPROVAL CHANGE
			1	3-21-83	APPROVAL CHANGES
FRACTIONAL ± 1/64	DECIMAL ± .005	ANGLES ± 1.2°	REV	DATE	DESCRIPTION
			REVISIONS		

179-829





HANDROPE STRUT ASSEMBLY

REFERENCE  
CONTRACT DWG. SHEET 10B

REHABILITATION OF DEER ISLE -  
EDGEMOOR BRIDGE OVER EDGEMOOR REACH  
STATE OF MAINE DEPT. OF TRANSPORT.  
MAINE FED. AID PROJ. NO. 8H-0250(11)

**STEWART MACHINE CO.**  
BIRMINGHAM, ALABAMA

SUBJECT: REHABILITATION OF BRIDGE  
DETAILS: HANDROPE STRUT ASSEMBLY

CUSTOMER: CLARKSON CORPORATION  
LOCATION: PITTSFIELD, MAINE

DRAWN: SBA  
CHECKED: J.S.  
DATE: 2-21-83  
JOB NO. 7276-C  
DWG NO. 988-13  
REV. NO. 0

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED			REV	DATE	DESCRIPTION	BY
FRACTIONAL	DECIMAL	ANGLES				
± 1/64	± .005	± 1/2°				
			REVISIONS			

179-83