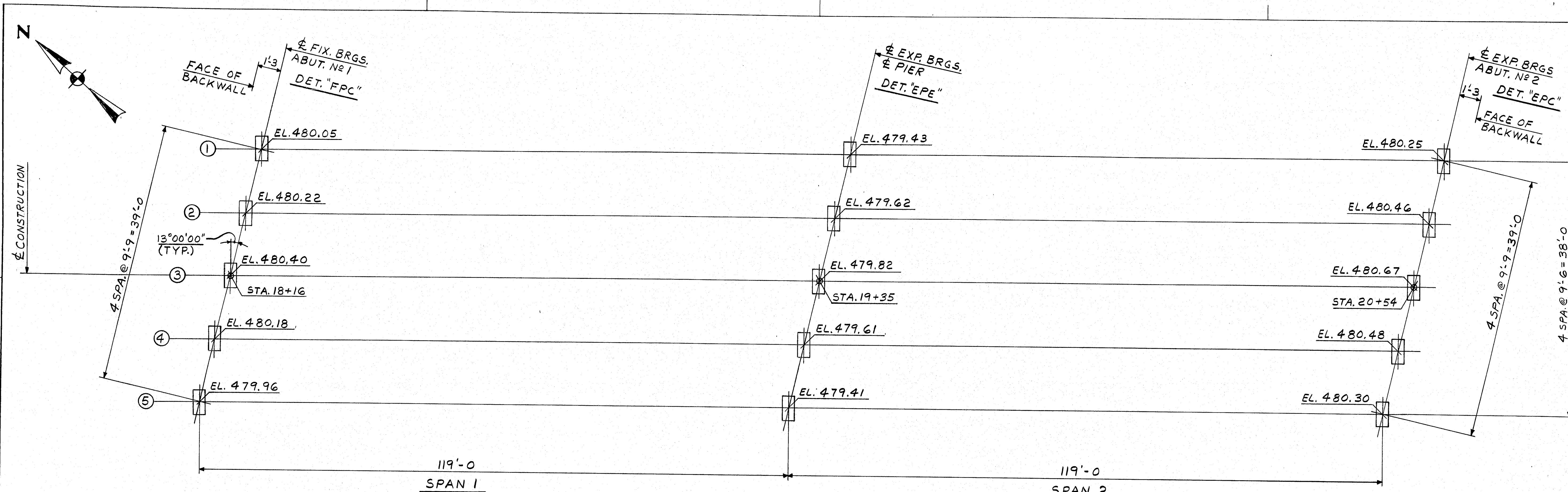


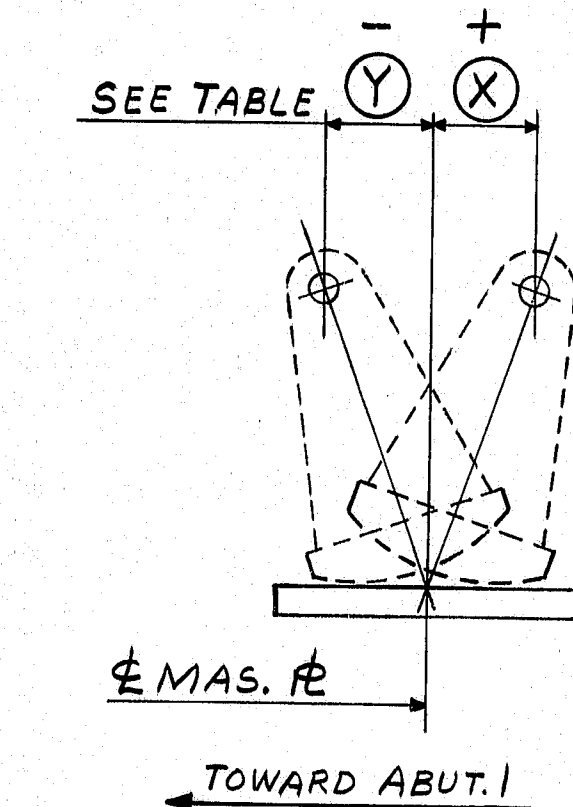
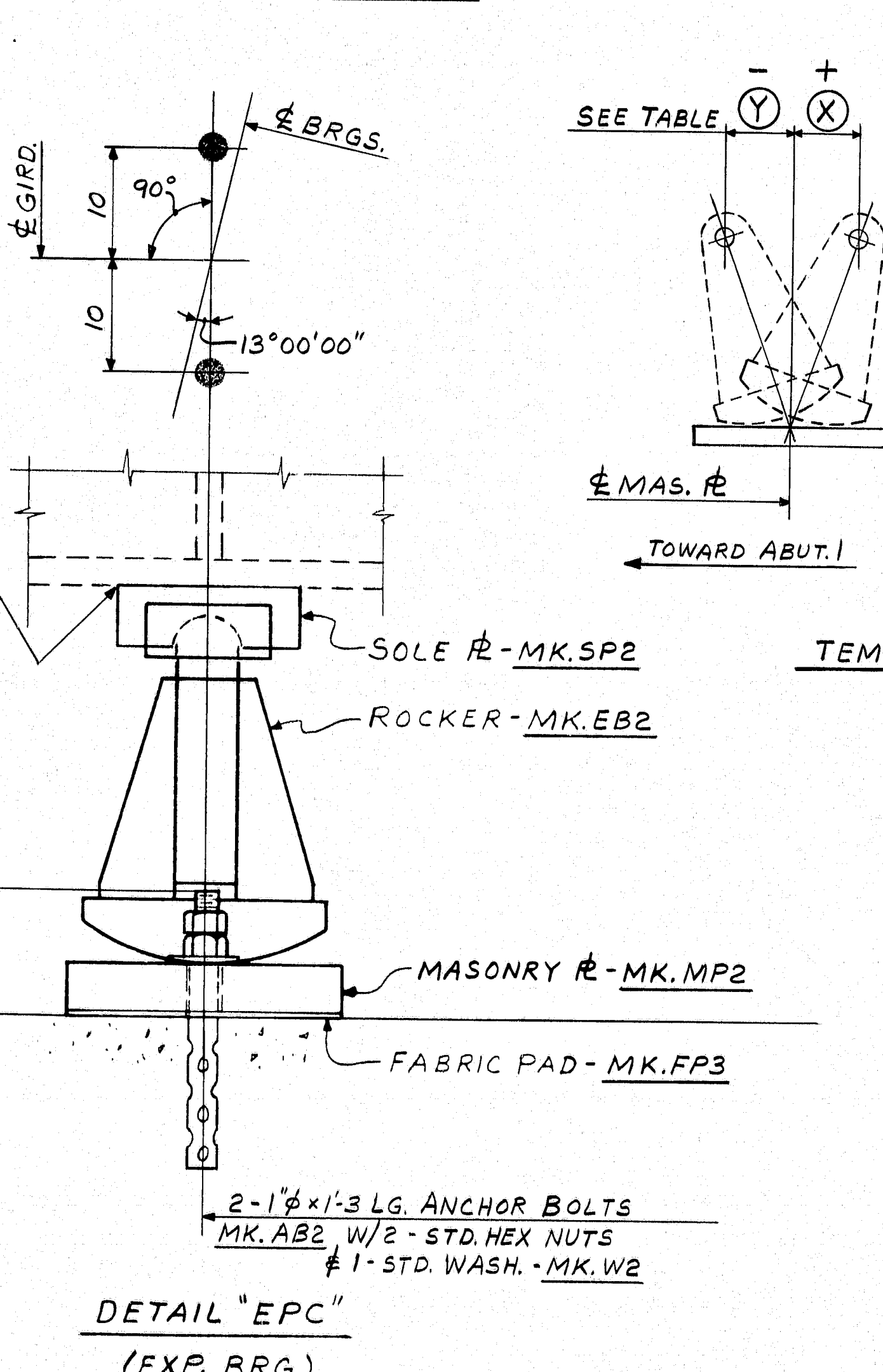
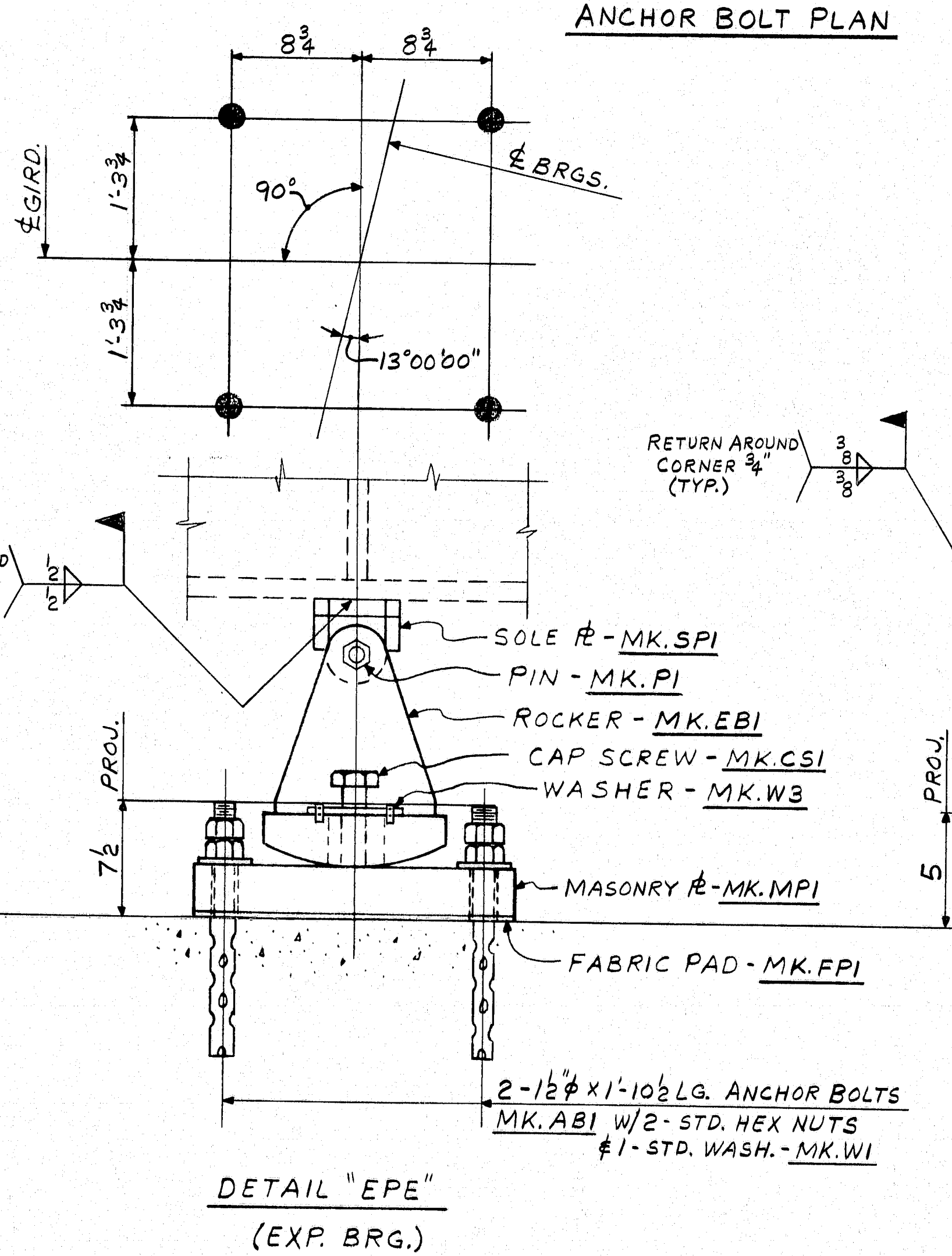
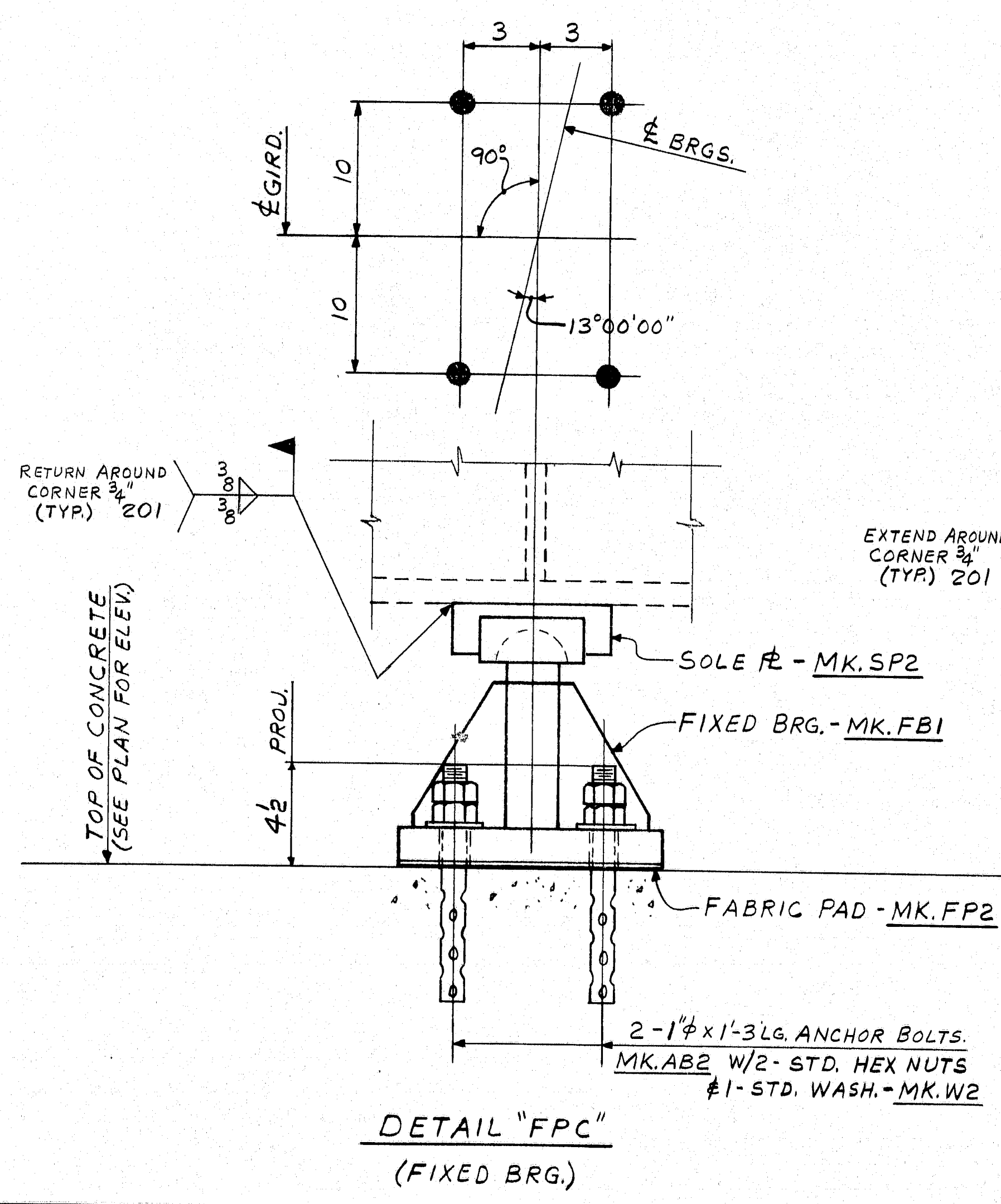
- NOTES:
- 1) ALL LONG. DIMS GIVEN ON SLOPE @ TOP OF WEB.
  - 2) ALL TRANSV. DIMS GIVEN IN A HORIZ. PLANE.
  - 3) ALL ENDS, BRGS, CP'S & FS ARE TRULY VERTICAL.
  - 4) → DENOTES DROP. (ARROW POINTS TO LOWER END.)
  - 5) FOR LAYOUTS SEE DWG. E94E4.

IT. NO. 504.70		BR. NO.		PROJ. NO. I-95-9(102)297	
<b>FOR APPROVAL</b>		<b>FOR FILES &amp; FIELD</b>			
CALC. PLAN					
APPROVED: 1-3-84		PRINT DIST.			
2	10-28-83	APP.	Bancroft & Martin Inc.		
2	1-3-84	FAB.	South Portland, Maine 04106		
25	1-3-84	F&F.	JOB: AIRPORT ROAD BRIDGE OVER I-95		
3	12-13-83	APP	HOULTON, AROOSTOOK COUNTY, MAINE		
25	1-20-84	F&F	CUSTOMER: REED & REED		
8	2-2-84	F&F	DESIGNER: STATE OF MAINE - DEPT. OF TRANS.		
APPROVAL REV. 1-20-84		J.C.M.	ORDER NO.	JOB NO.	DRAWING NO.
REV. 10-6-83	ELC	ELC/RW			
CHECKED 10-6-83	ELC	LT			
DRAWN 10/3/83	LT				
PTS 1-74			3-19 W1		
			902-01 180-179		





ANCHOR BOLT PLAN

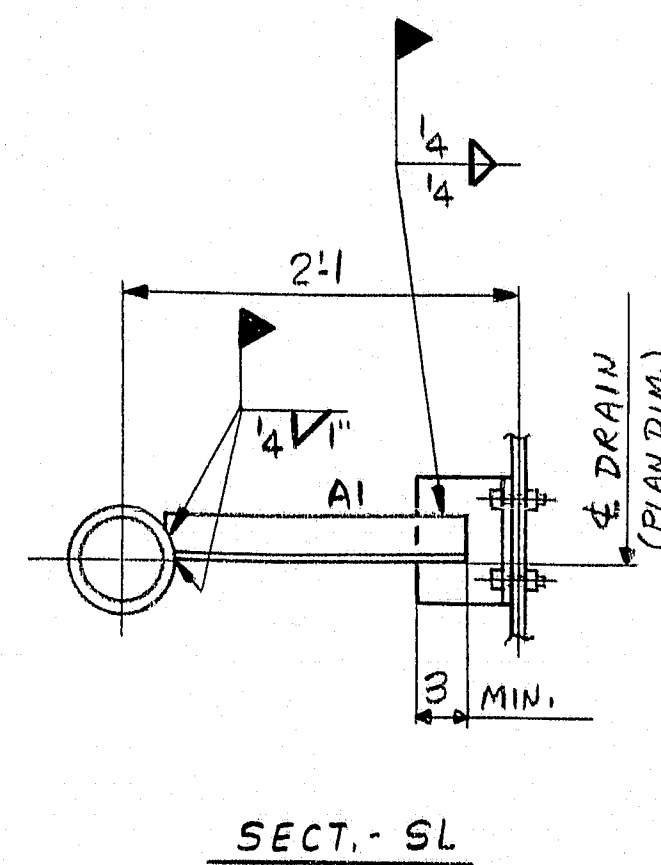
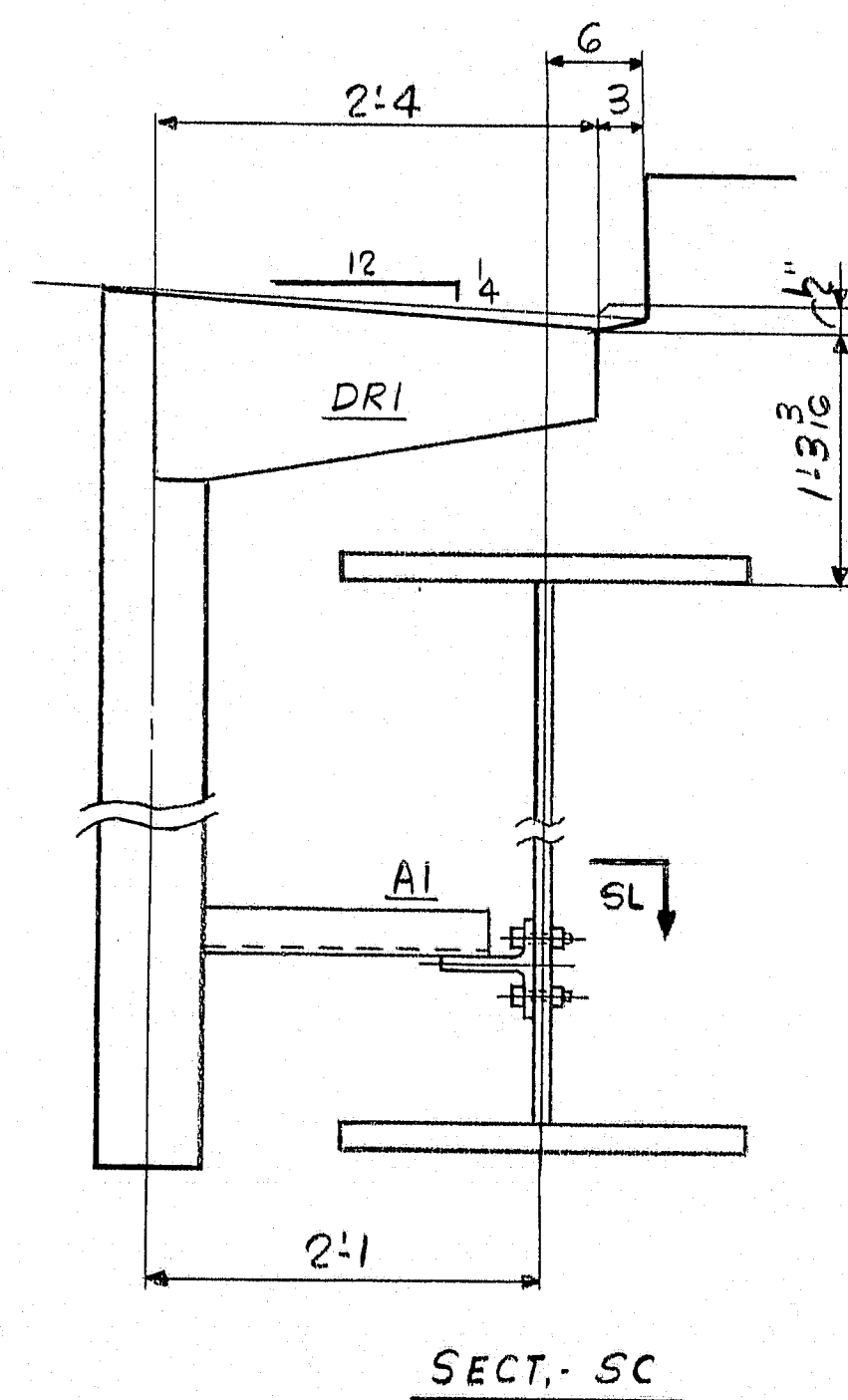
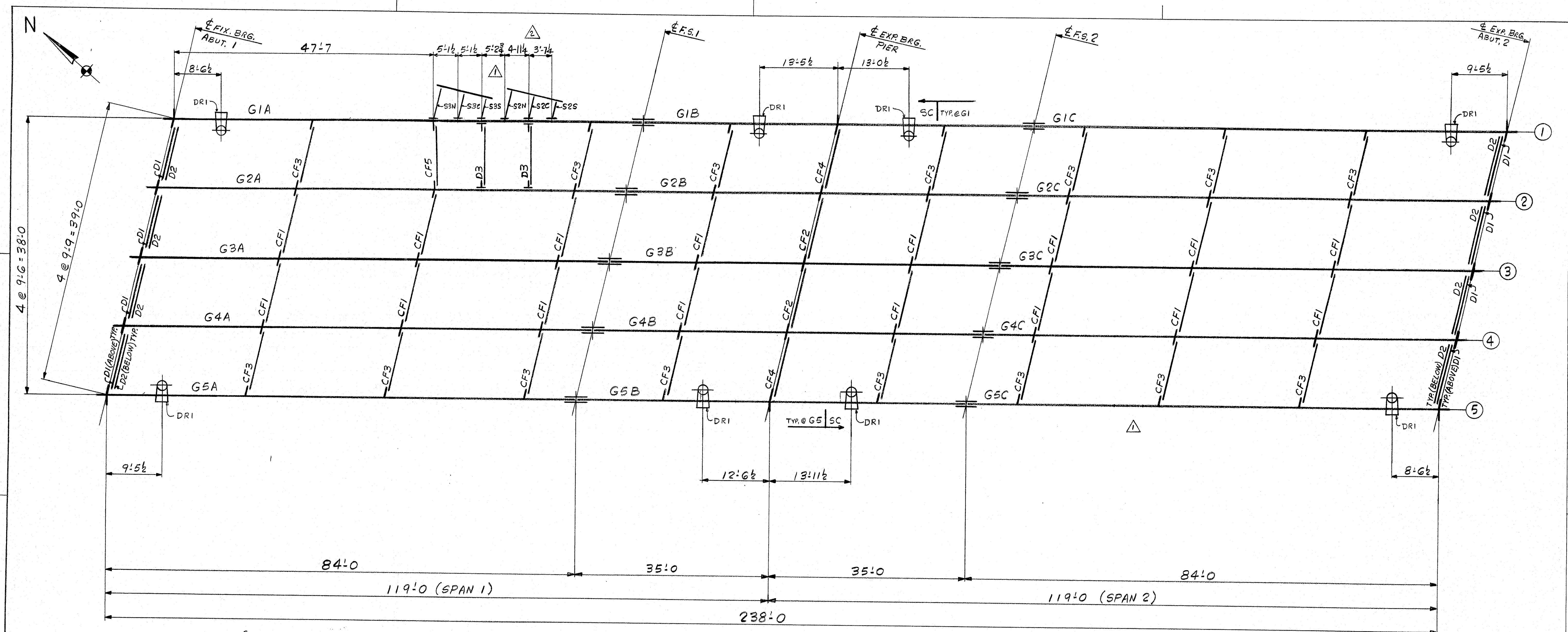


	ABUT. #2	PIER
TEMP. $F_{50}$	(Y) (X)	(Y) (X)
+105	- 7/8	- 7/16
+90	- 9/16	- 5/16
+75	- 4	- 3/16
+60	0	0
+45	5/16	- 1/8
+30	5/8	- 4
+15	15/16	- 7/16
0	1 1/8	- 9/16
-15	1 1/2	- 3/4
	* = 5/16	* = 8

\* ADJUST DIMENSION TOWARD ABUT. #1 FOR D.L. CAMBER (AT TIME OF ERECTION)

TEMPERATURE ADJUSTMENT @ PIER # ABUT. #2

IT. NO. 504.71	BR. NO.	PROJ. NO. I-95-9(102)297
<b>FOR APPROVAL</b>		
<b>FOR FILES &amp; FIELD</b>		
APPROVED: 11-23-83		
PRINT DIST.		
2	10-26-83	APP.
8	1-3-84	FAB.
25	1-3-84	F&F.
JOB: AIRPORT ROAD BRIDGE OVER I-95 HOULTON, ARROOSTOCK COUNTY, MAINE CUSTOMER: REED & REED DESIGNER: STATE OF MAINE DEPT. OF TRANS. ORDER NO. JOB NO. DRAWING NO. REV.		
REV. $\Delta$	CHECKED 10-14-83 GK	3-19 E-1
DRAWN 10-10-83 RLA		902-03 180-180

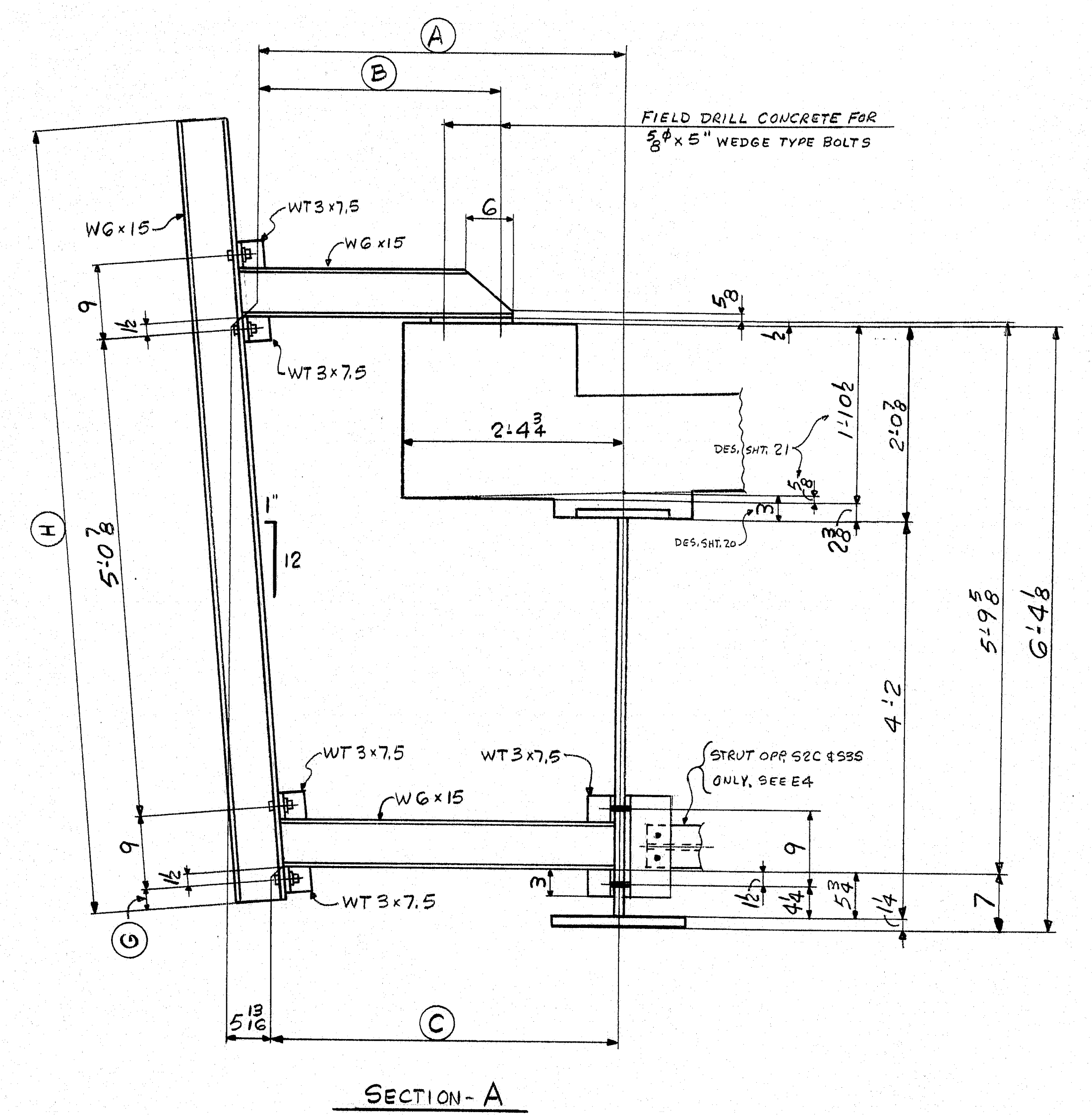
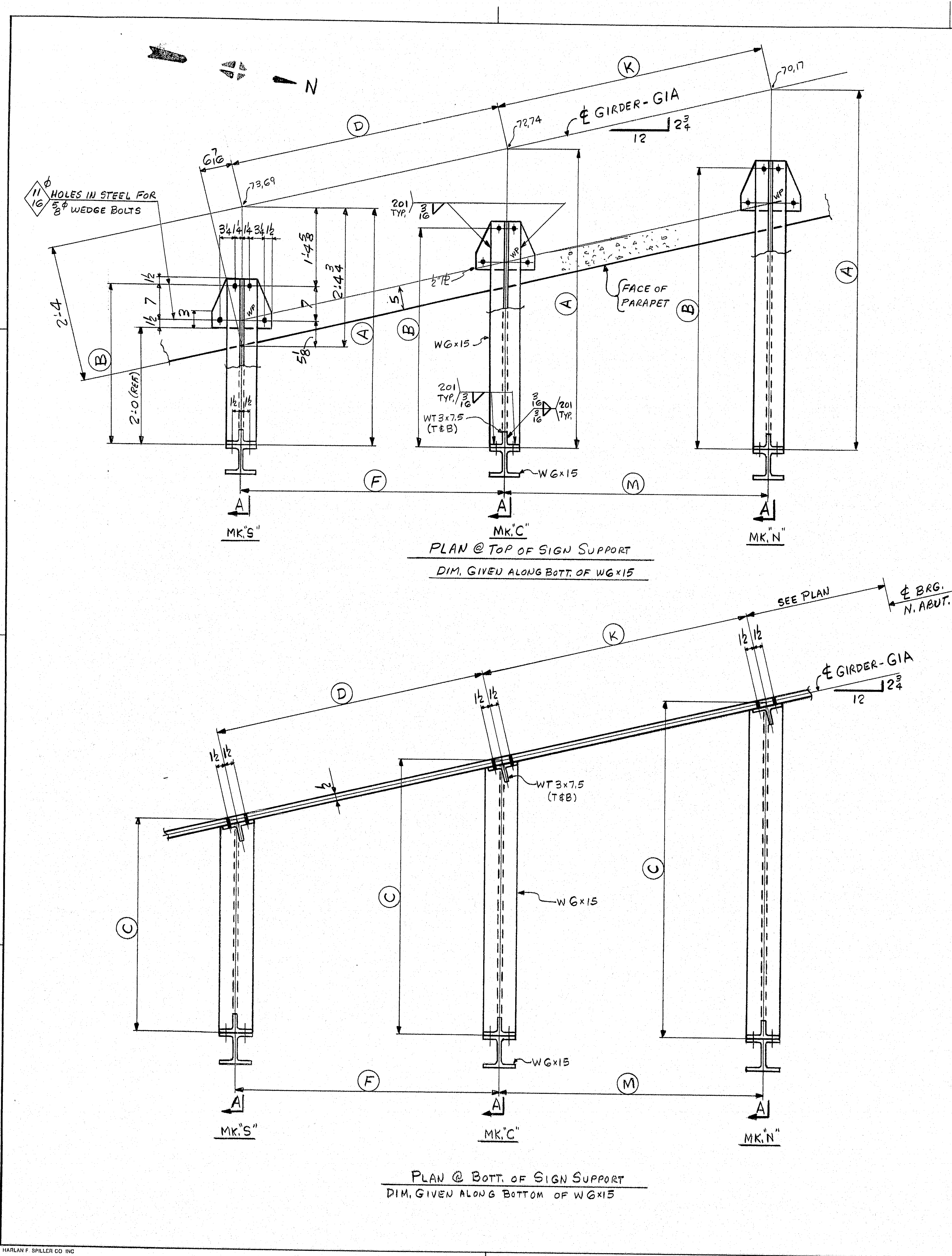


**FORM BRACKET HOLES**  
Form bracket holes are to be plugged with 5/8" Ø X 1-1/2" carriage bolts. Heads are to be on outside. Holes to be completely covered.

**NOTE:**  
SEE DWG. E3 & E4 FOR ERECTION DETAILS

IT. NO. 504.71		BR. NO.		PROJ. NO. I-95-9(102)297	
<b>FOR APPROVAL</b>		<b>FOR FILES &amp; FIELD</b>			
<b>FRAMING PLAN</b>					
APPROVED: 1-3-84		PRINT DIST.			
2	10-26-83	APP.	Bancroft & Martin Inc.		
3	1-3-84	FAB.	South Portland, Maine 04106		
25	1-3-84	F&F.	JOB: AIRPORT ROAD BRIDGE OVER I-95		
3	12-13-83	APP.	HOULTON, AROOSTOOK COUNTY, MAINE		
25	1-20-84	F&F.	CUSTOMER: REED & REED		
3	2-2-84	F&F.	DESIGNER: STATE OF MAINE, DEPT. OF TRANS.		
REV. 1	1-20-84	ELC	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	10-20-83	ELC			3-19 E-2
DRAWN	9-29-83	ELC			902-02 180-181





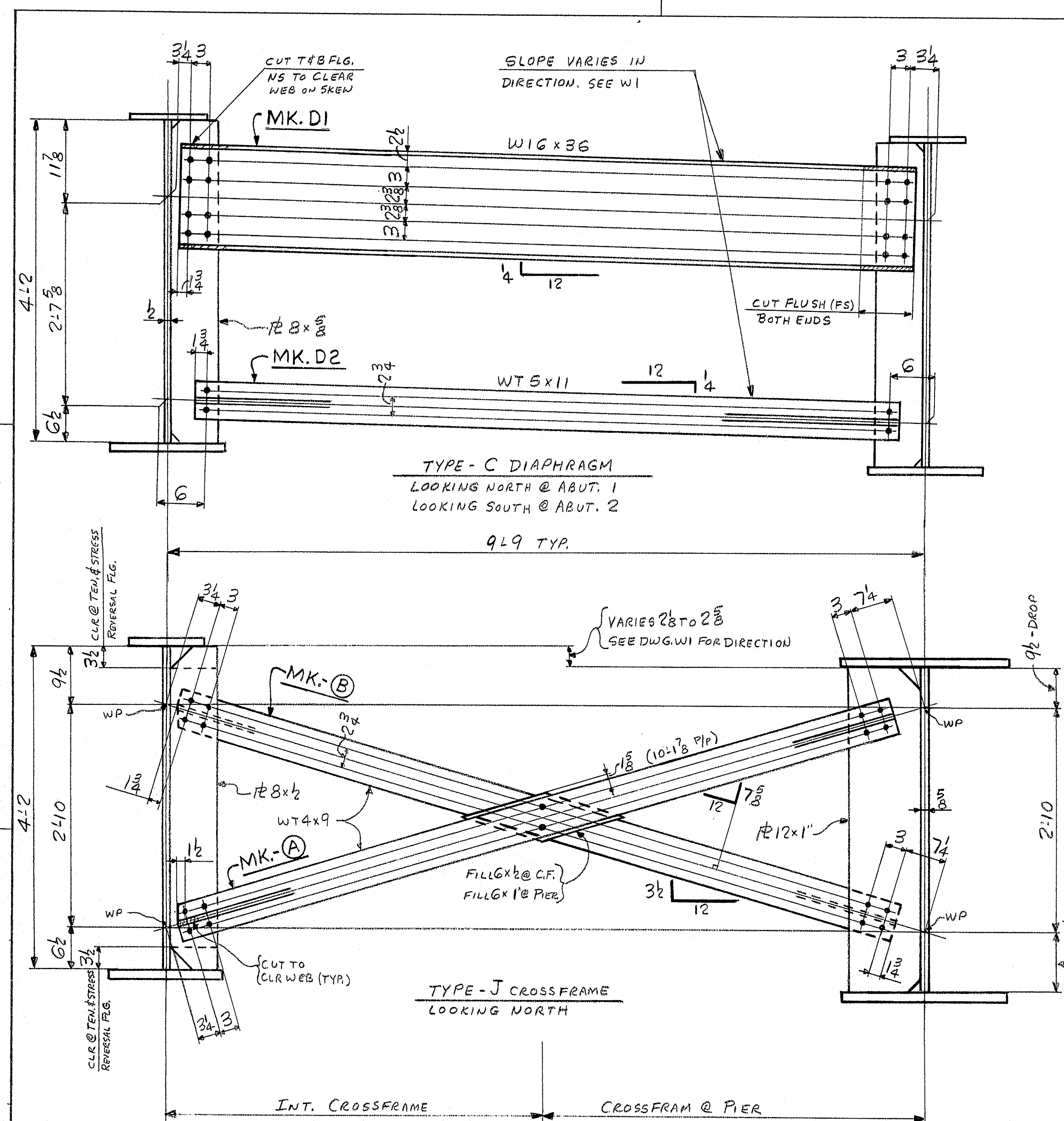
SIGN SUPPORT	SHIP MARK	(A)	(B)	(C)	(D)	(F)	(G)	(H)	(K)	(M)
2	S2S	4'-1 1/2"	2'-8 1/2"	3'-7 1/2"	3'-7 1/4"	3'-6 3/4"	3'	9'-6"	4'-11 1/4"	4'-9 3/4"
	S2C	4'-10 13/16"	3'-6 3/16"	4'-5"	3'-7 1/4"	3'-6 3/4"	3 1/16"	9'-6"	4'-11 1/4"	4'-9 3/4"
	S2N	6'-0 1/16"	4'-7 1/8"	5'-6 3/8"	3'-7 1/4"	3'-6 3/4"	2 3/4"	9'-6"	4'-11 1/4"	4'-9 3/4"
3	S3S	4'-1 1/2"	2'-8 1/2"	3'-7 1/2"	5'-1 1/2"	4'-11 1/2"	3 3/8"	12'-0"	5'-1 1/2"	4'-11 1/2"
	S3C	5'-2 15/16"	3'-10 1/16"	4'-9 1/8"	5'-1 1/2"	4'-11 1/2"	3"	12'-0"	5'-1 1/2"	4'-11 1/2"
	S3N	6'-4 13/16"	5'-0 3/8"	5'-1 1/2"	5'-1 1/2"	4'-11 1/2"	2 5/8"	12'-0"	5'-1 1/2"	4'-11 1/2"

NOTE  
MATERIAL - ASTM A36 (U.N.)  
HOLES - 1/8" FOR 1/2" H.S.B. (U.N.)

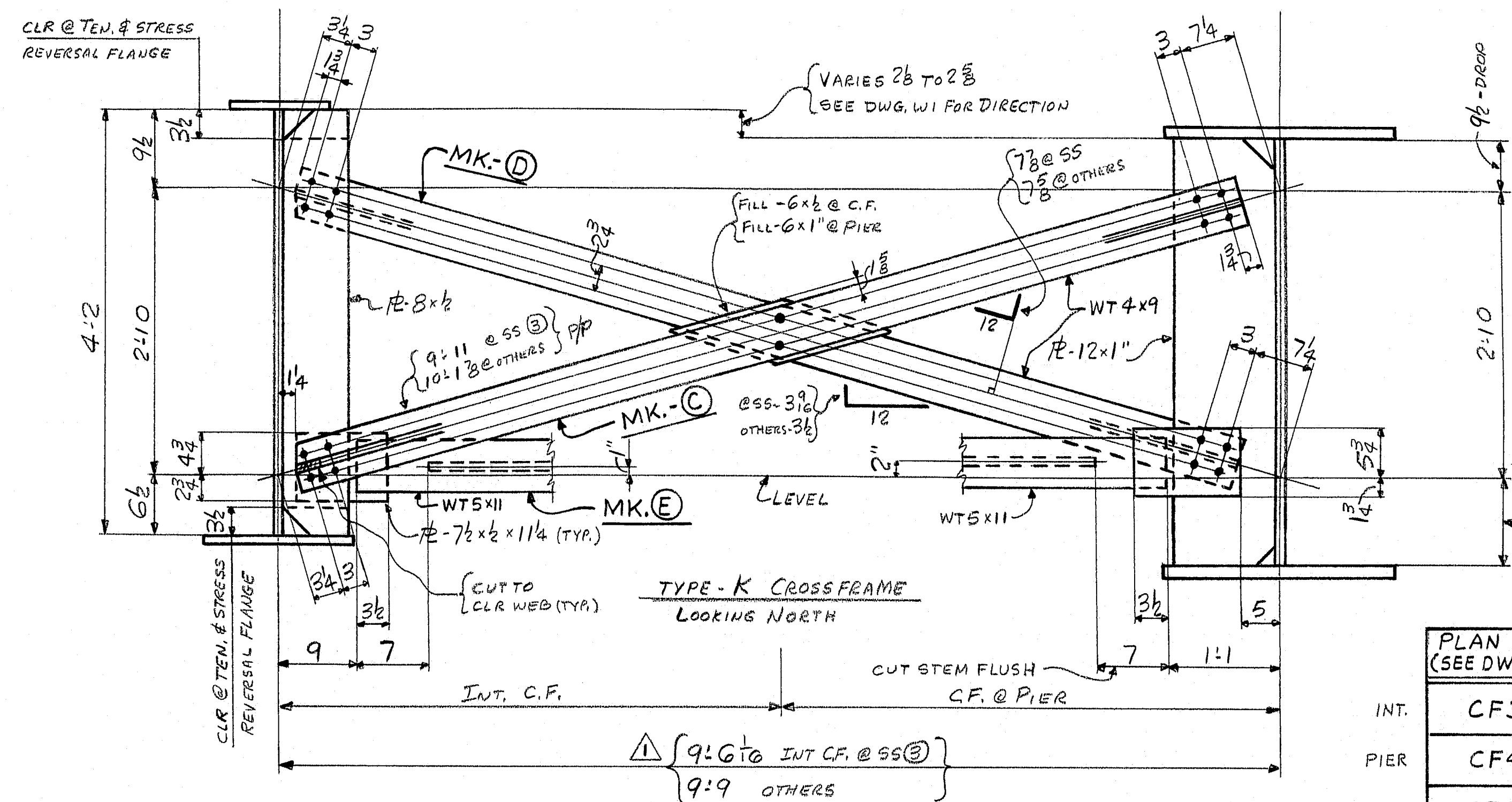
IT. NO. 504, 71		BR. NO.		PROJ. NO. I-95-9 (102) 297	
FOR APPROVAL		FOR FILES & FIELD			
SIGN SUPPORT LAYOUTS					
APPROVED:		PRINT DIST.			
3	12-13-83	APP.			
B	2-2-84	FAB.			
ES	1-30-84	F&F.			
		Bancroft & Martin Inc. South Portland, Maine 04106			
		JOB: AIRPORT ROAD BRIDGE OVER I-95 HOULTON, ARDOSTOCK COUNTY, MAINE			
		CUSTOMER: REED & REED			
		DESIGNER: STATE OF MAINE, DEPT. OF TRANSPORTATION			
REV. A	APPR. REV. 12-2-83	JCM	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	12-6-83	REN			
DRAWN	12-2-83	ELC		3-19	E3

180-182

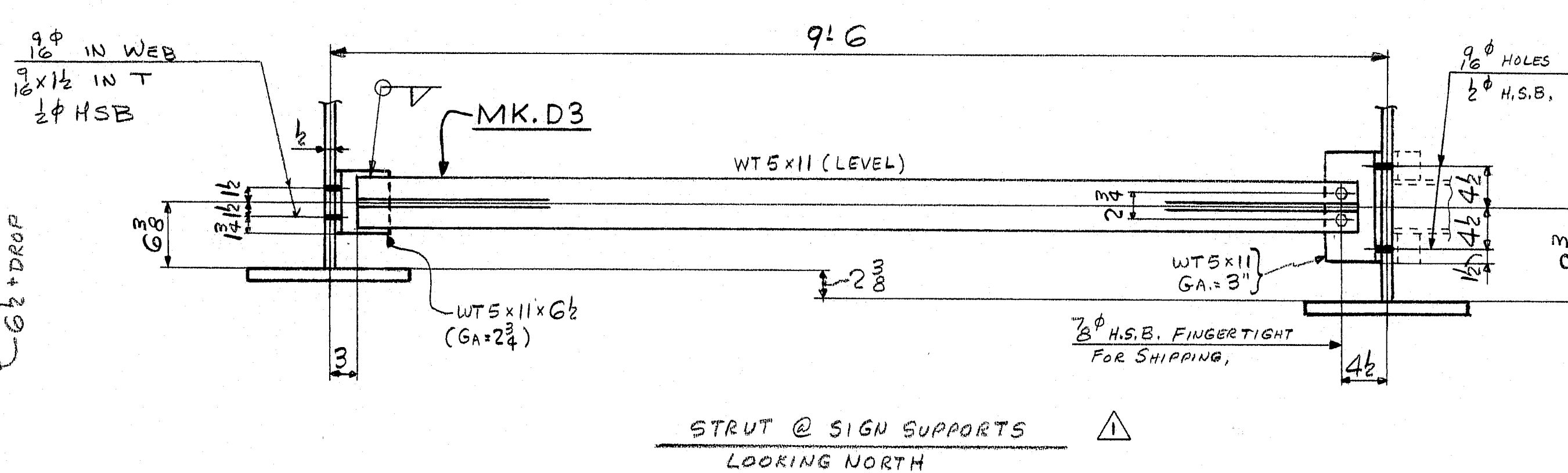




PLAN MARK (SEE DWG. E-2)	MK. (A)	MK. (B)
INT. CF1	K1	K4
PIER CF2	K2	K5



PLAN MARK (SEE DWG. E-2)	MK. (C)	MK. (D)	MK. (E)
INT. CF3	K1	K4	K7
PIER CF4	K2	K5	K8
SS3 CF5	K3	K6	K9



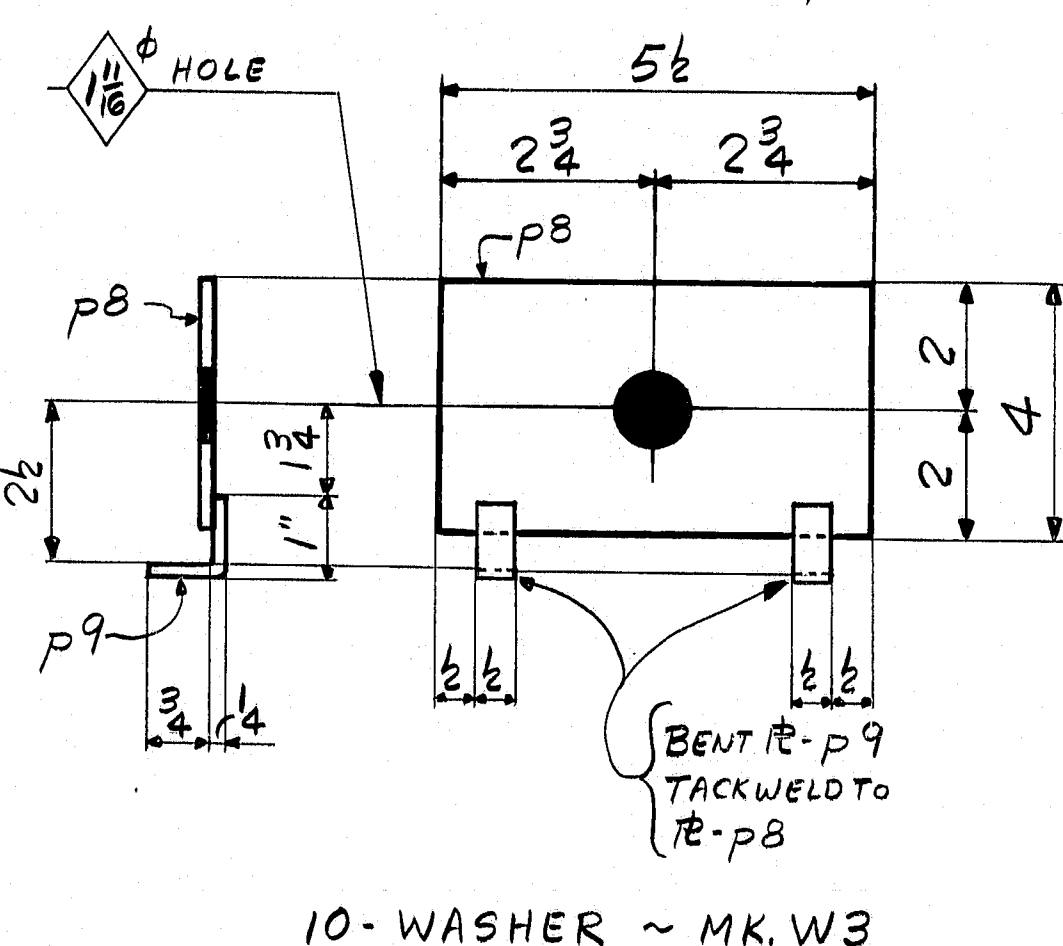
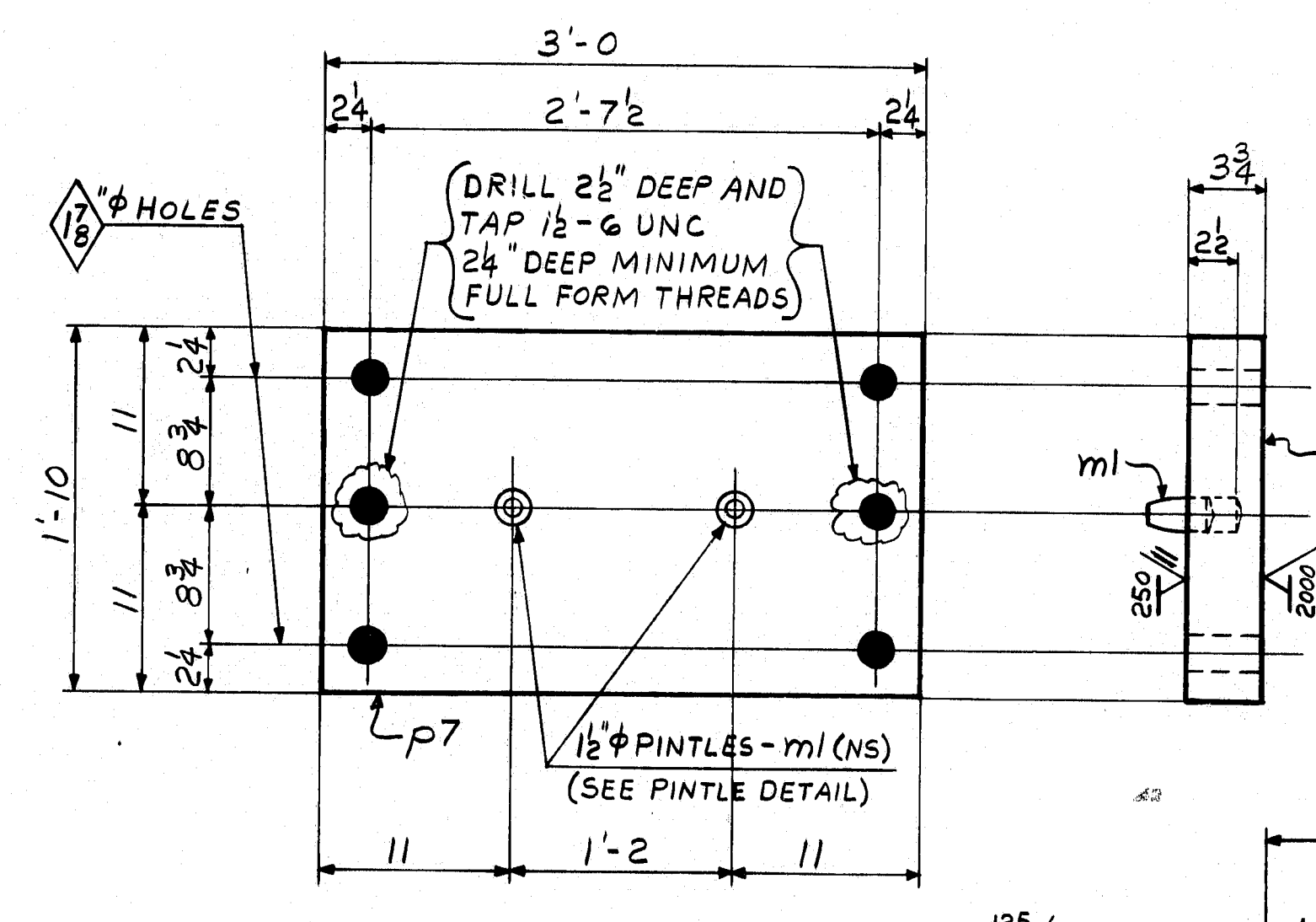
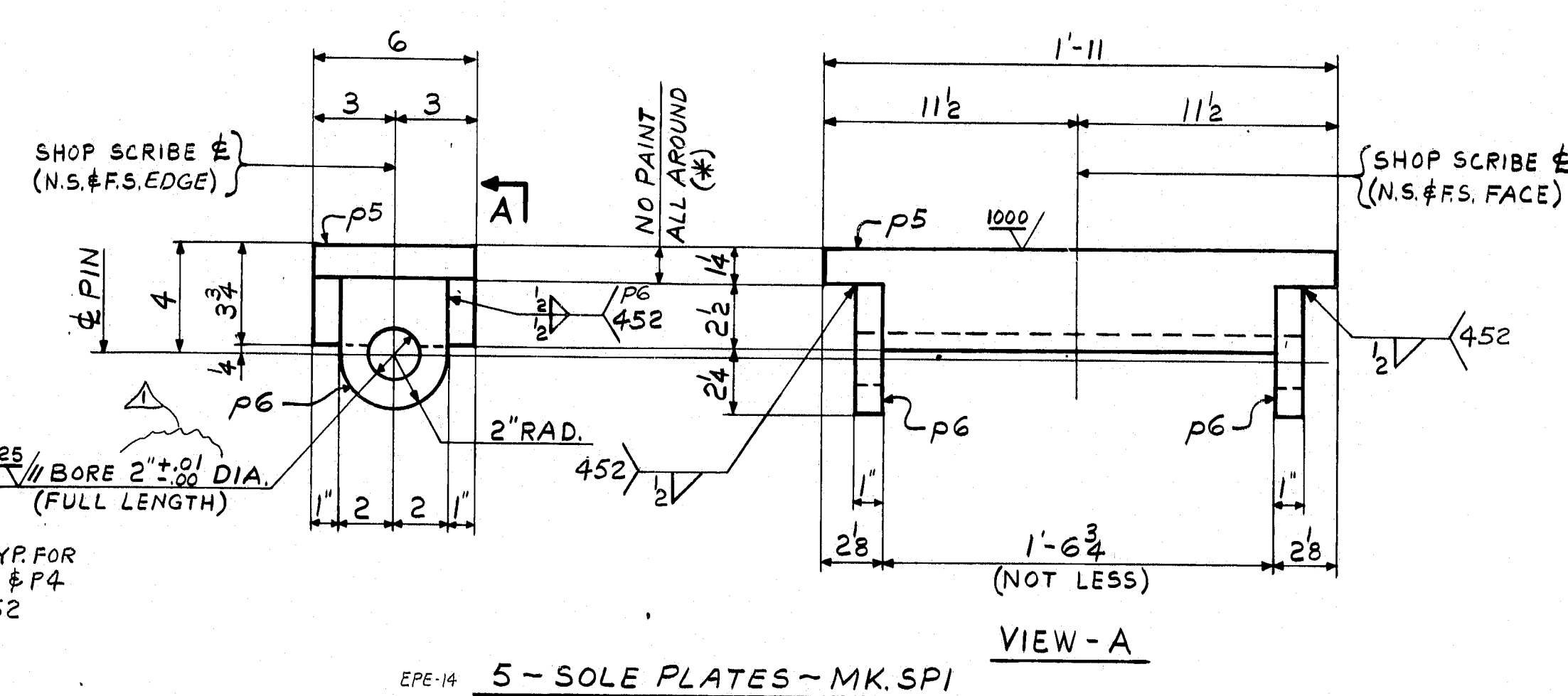
NOTE:

HOLES: 15/16" FOR 3/4" H.S. BOLTS  
(U.N.)  
MATERIAL: ASTM A36

IT. NO. 504.70	BR. NO.	PROJ. NO. I-95-9(102)297
FOR APPROVAL		FOR FILES & FIELD
DIAPHRAGM & CROSSFRAME LAYOUTS		
APPROVED:		
2	10-26-83	APP.
8	1-3-84	FAB.
23	1-3-84	F&F.
3	12-13-83	APP.
PRINT DIST.		
Baneroff & Martin Inc.		
South Portland, Maine 04106		
JOB: AIRPORT ROAD BRIDGE OVER I-95		
HOULTON, ARROOSTOOK COUNTY, MAINE		
CUSTOMER: REED & REED		
DESIGNER: STATE OF MAINE, DEPT. OF TRANSPORTATION		
REV. 1	10-26-83	ELC/RY
CHECKED	10-4-83	LT
DRAWN	10-3-83	ELC
ORDER NO.	JOB NO.	DRAWING NO. REV.
	3-19	E-4

902-04 180-783





	MARK	Nº REQ'D	(F)	(G)	(H)	(K)	(L)	(M) 1/1
EPE-14	FP1	5	3'-0	2'-7 1/2	2'-4	1'-10	1'-5 1/2	1'-8
FPC-3	FP2	5	2'-0	1'-8	2	10	6	1'-3 3/8

	MARK	Nº REQ'D	(F)	(G)	(H)	(K)	(L)	(M) 1/1
EPE-14	FP1	5	3'-0	2'-7 1/2	2'-4	1'-10	1'-5 1/2	1'-8
FPC-3	FP2	5	2'-0	1'-8	2	10	6	1'-3 3/8

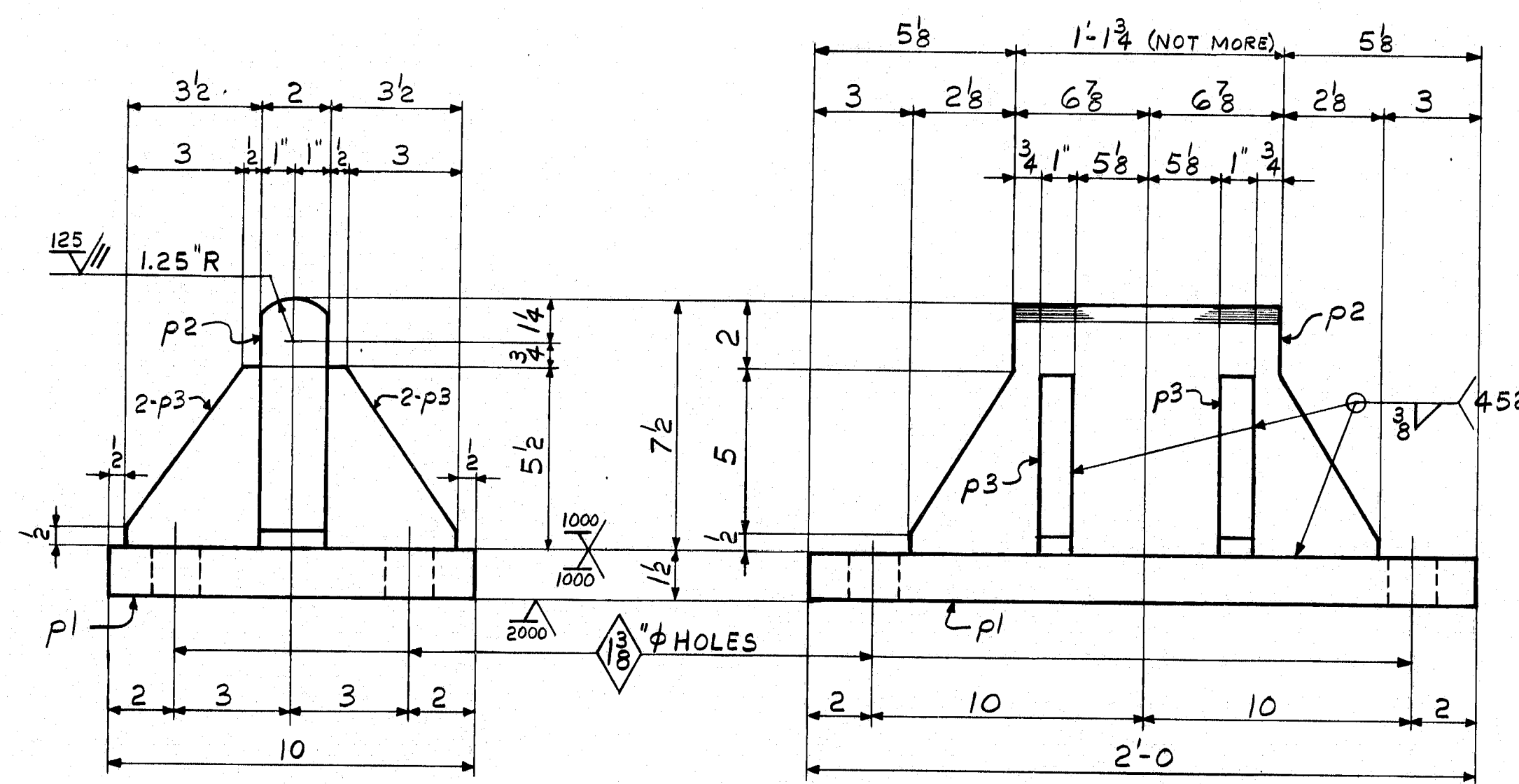
[illegible]

Δ mach. toll. - APPL CHANGE

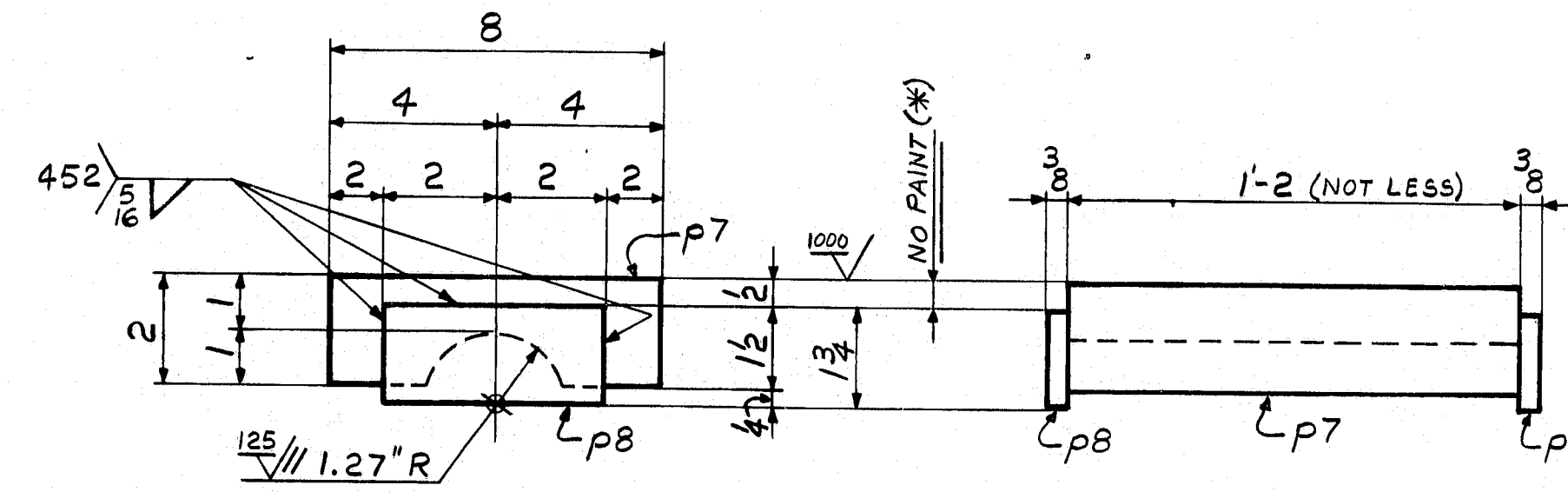
902-07

180-184

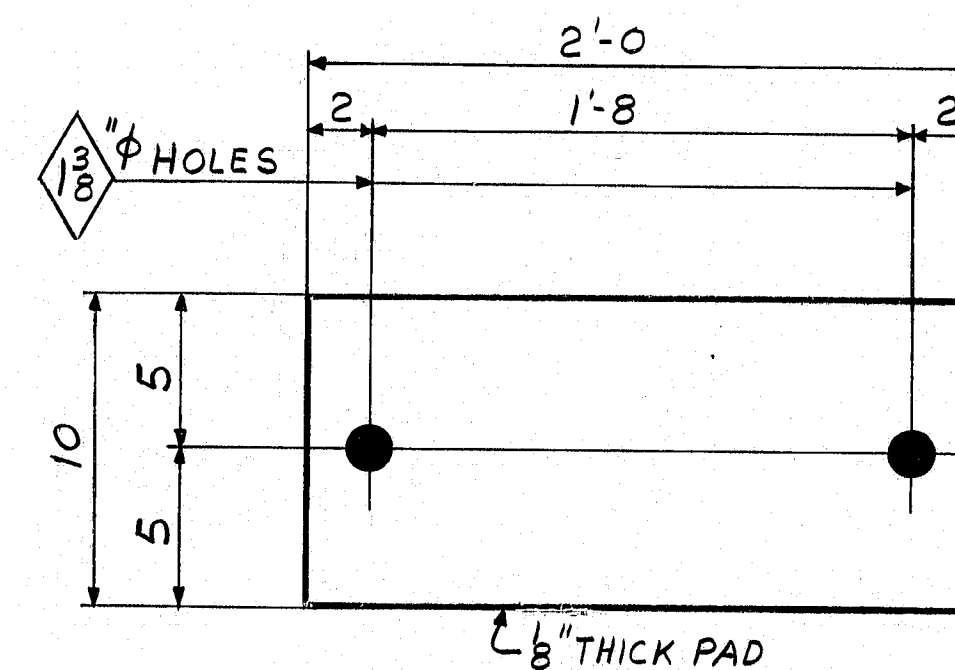




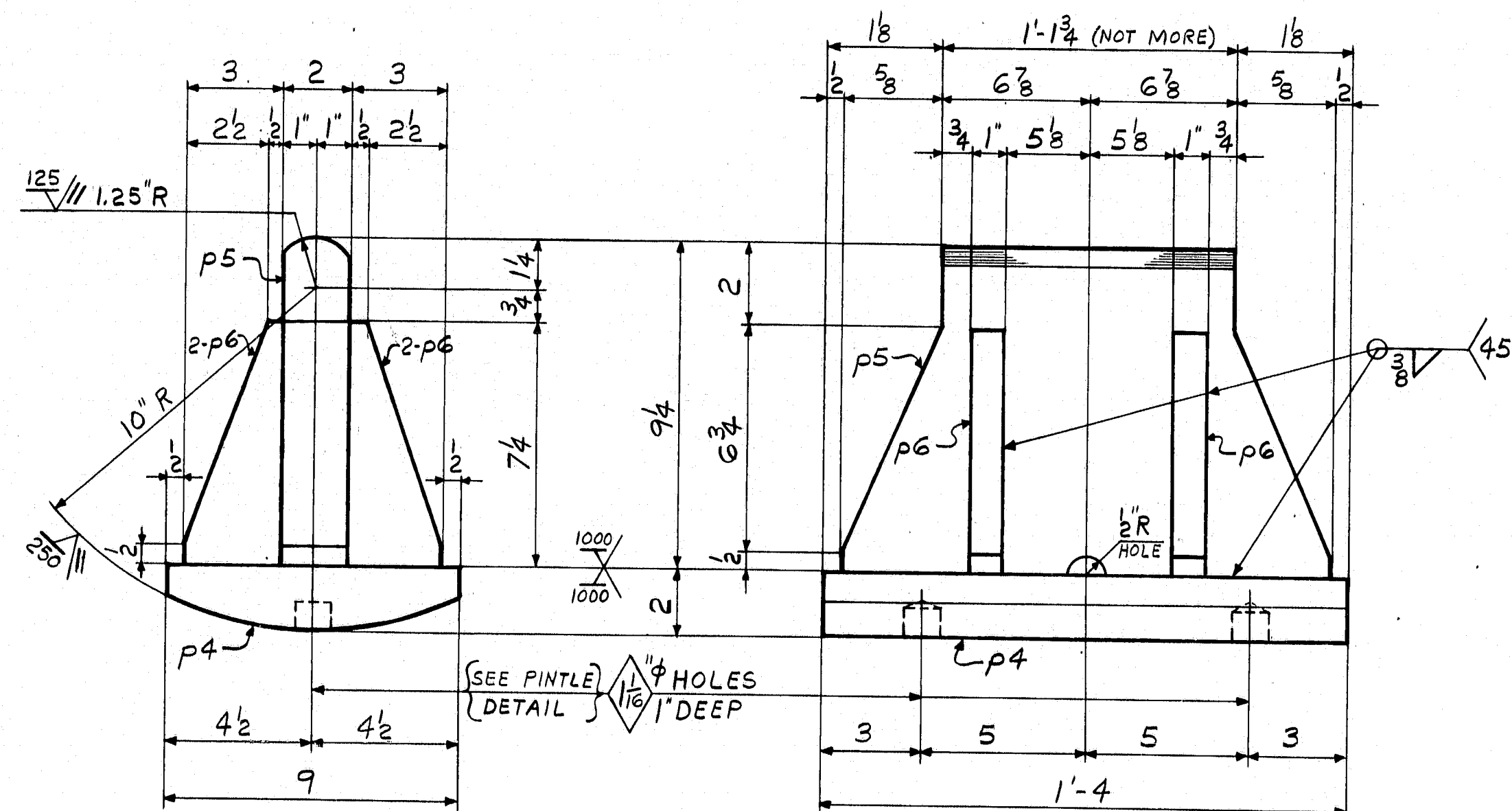
5 ~ FIXED BEARINGS ~ MK.FB1



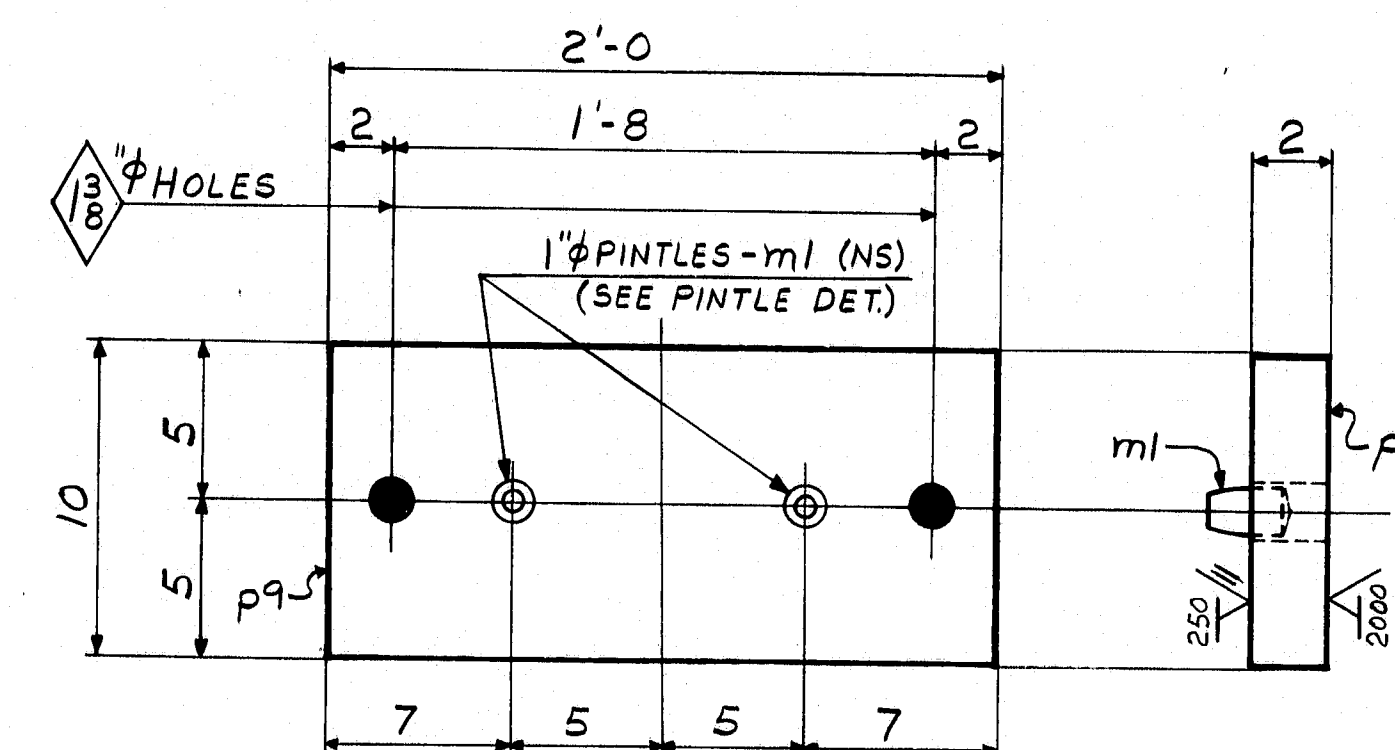
10 ~ SOLE PLATES ~ MK.SP2



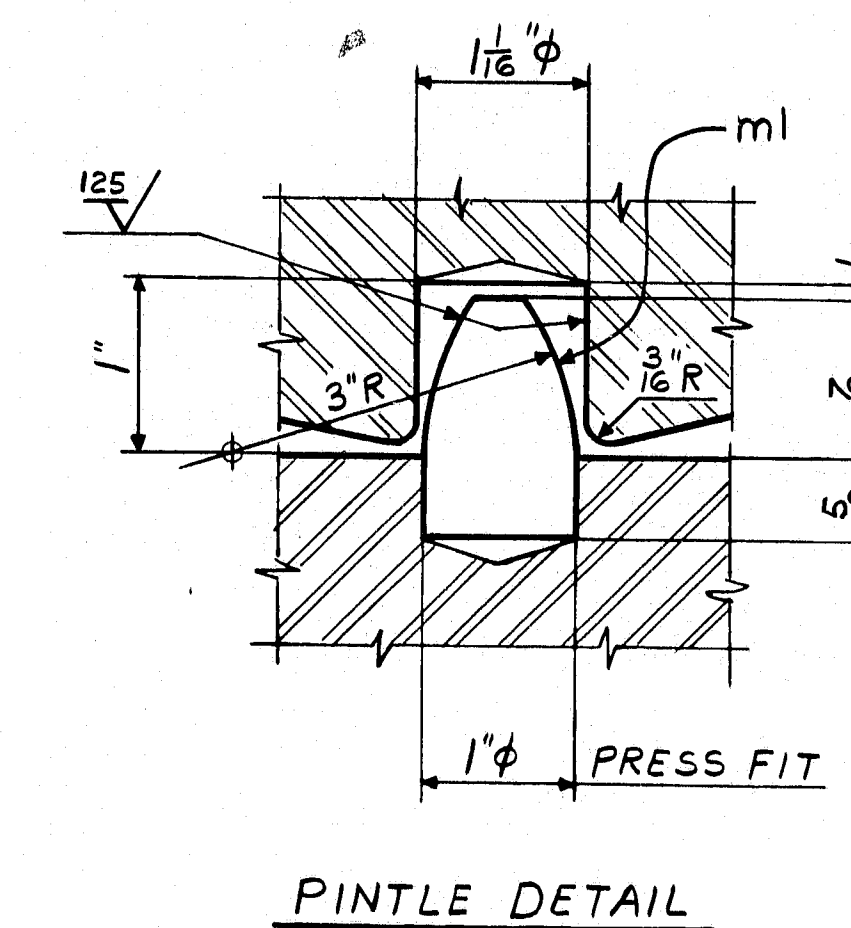
5 ~ FABRIC PADS ~ MK.FP3  
(PREFORMED FABRIC PAD AS PER MAINE STD. SPEC. 713.03)



5 ~ ROCKERS ~ MK.EB2



5 ~ MASONRY PLATES ~ MK.MP2



PINTLE DETAIL

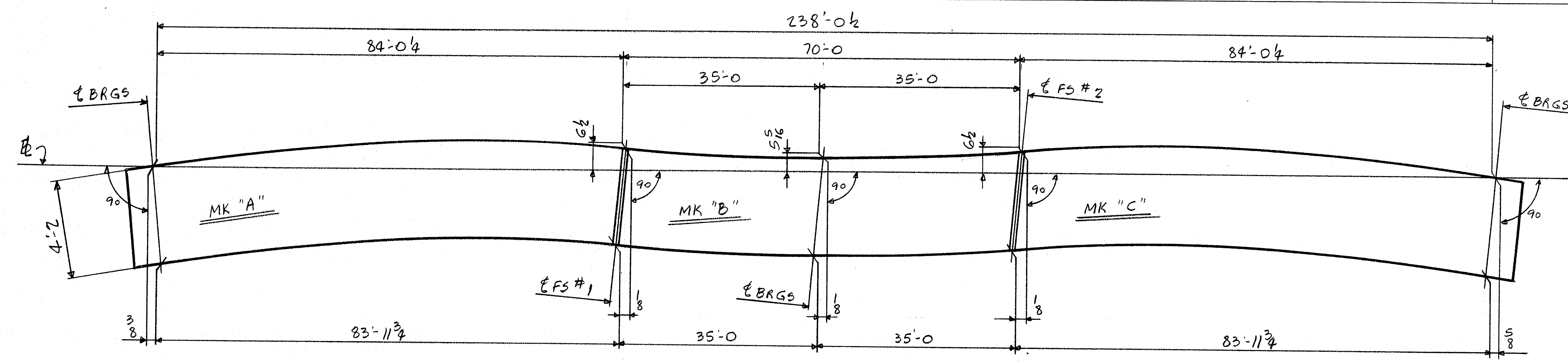
# NOTES

- (\*) DENOTES SURFACE TO RECEIVE ONE COAT OF BOILED LINSEED OIL.
- 125/ FINISH SURFACE OF ROCKERS, FIXED BEARINGS & SOLE PLATES TO RECEIVE ONE SHOP COAT OF "NEVER SEIZ" LUBRICANT.
- MASONRY PLATES MP2 & BEARING SURFACE OF ROCKERS EB2 TO RECEIVE 2-SHOP COATS OF PAINT.

ALL CONNECTIONS DETAILED ON THIS DRAWING REPRESENT BANCROFT & MARTIN INC. STANDARDS. IN APPROVING THIS DRAWING FOR FABRICATION, THE ARCHITECT AND/OR ENGINEER ASSUMES THE RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF ALL CONNECTIONS SHOWN.

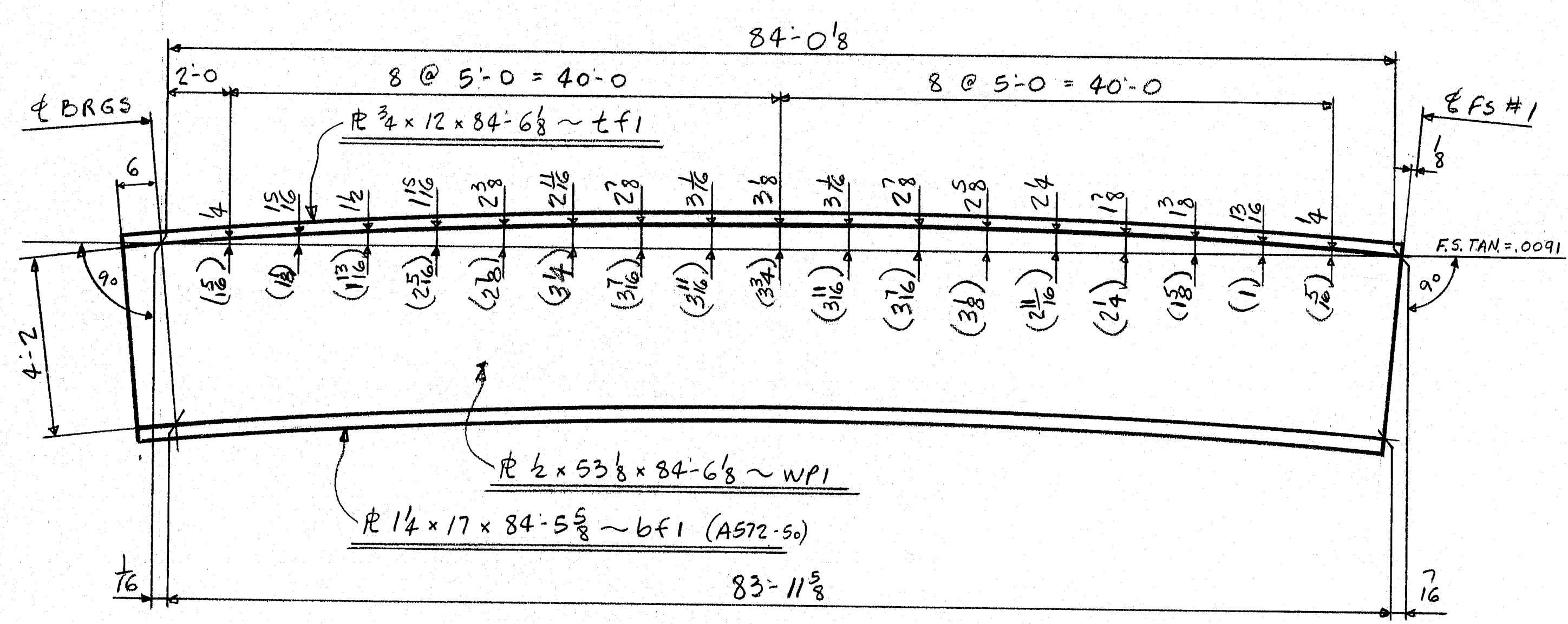
SHIP		BILL OF MATERIAL				JOB NO.		DRAWING NO.		REV.
						3-19		51-2		△
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS			
FB1										
5			FIXED BEARINGS							
5	p1		1/2 x 10	2 0	510	5/P	ASBB	RES. 1/25/10		
5	p2		2 x 7 1/2	1 6	383	5/Q	FIE	RES. 1/25/10		
20	p3		1" x 3 1/2	0 5 1/2	109	5/R	7/C	RES. 1/25/10		
EB2										
5			ROCKERS							
5	p4		2 x 9	1 4	408	5/T	7/A	FIS	} 100% 100% T 102-11	
5	p5		2 x 9 1/4	1 3	393	5/U	7/A	FIE		
20	p6		1" x 3	0 7 1/4	123	5/V	7/C			
SP2										
10			SOLE PLATES							
10	p7		2 x 8	1 2	635	6/C	4/B	RES. 1/25/10		
20	p8		3/4 x 1 1/4	0 4	15	6/D	4/B	100%		
MP2										
5			MASONRY PLATES							
5	p9		2 x 10	2 0	681	6/B		FIS	100%	
10	m1		ROD 1" φ	0 1 1/2	3	6/A			2 @ 30" 10 OUT 5.5"	
FABRIC PADS										
FP3	5		PAD 10 x 8	2 0	-	6/S	8/F	PREP. FAB. PAD AS PER MAINE SPEC. 713.03		
					3260					
IT. NO. 504.70				BR. NO.		PROJ. NO. I-95-9 (102) 297				
FOR APPROVAL					FOR FILES & FIELD					
STEEL: ASTM. <input checked="" type="checkbox"/> A36 <input type="checkbox"/> A572 GR1 <input type="checkbox"/> A588 GR1 <input checked="" type="checkbox"/> Unless Noted										
WELDING ELECTRODE: <input type="checkbox"/> E70 <input checked="" type="checkbox"/> See Welding Proc. <input type="checkbox"/> None										
SHOP CONN: <input type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None										
FIELD CONN: <input type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None										
HOLES: <input type="checkbox"/> 13/16 <input type="checkbox"/> 15/16 <input checked="" type="checkbox"/> As Noted <input type="checkbox"/> Unless Noted <input type="checkbox"/> None										
PAINT: <input type="checkbox"/> None <input checked="" type="checkbox"/> Shopcoat <input type="checkbox"/> Galv. After Fab. <input checked="" type="checkbox"/> As Noted										
SPECIAL PAINT: <input type="checkbox"/> None <input checked="" type="checkbox"/> Blast Clean <input type="checkbox"/> SSSC-SPG										
SPECIAL CLEANING: <input checked="" type="checkbox"/> Blast Clean <input type="checkbox"/> None SSSC-SPG										
BRIDGE SHOES										
APPROVED: 1-3-84										
PRINT DIST.										
2 10-14-83 APP.										
8 1-3-84 FAB.										
25 1-3-84 P&F.										
3 12-13-83 APP										
JOB: Hancock & Martin Inc. South Portland, Maine 04106										
AIRPORT ROAD BRIDGE OVER I-95 HOULTON, ARDOSTOCK COUNTY, MAINE										
CUSTOMER: REED & REED										
DESIGNER: STATE OF MAINE DEPT. OF TRANS.										
ORDER NO. JOB NO. DRAWING NO. REV.										
10-14-83 GSK 3-19 51-2 △										
DRAWN 10-7-83 RLA										



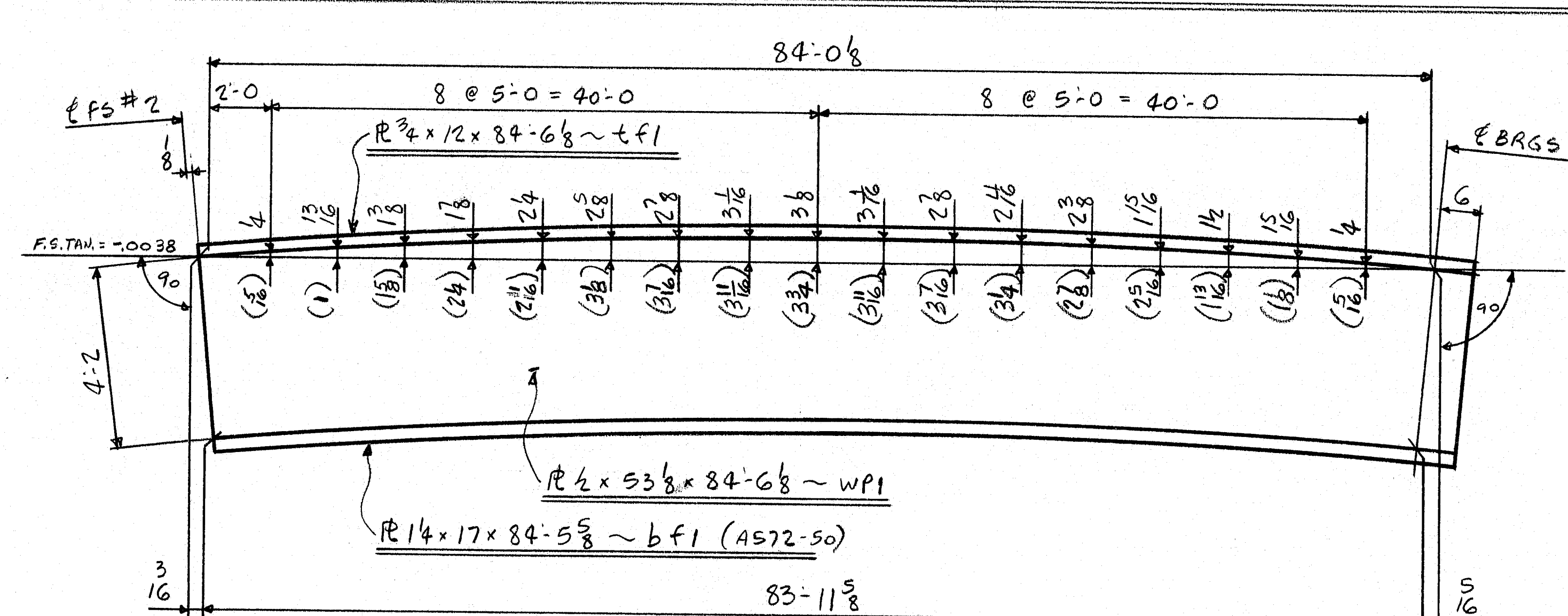


LINE	MK A	MK B	MK C
1	G1A	G1B	G1C
2	G2A	G2B	G2C
3	G3A	G3B	G3C
4	G4A	G4B	G4C
5	G5A	G5B	G5C

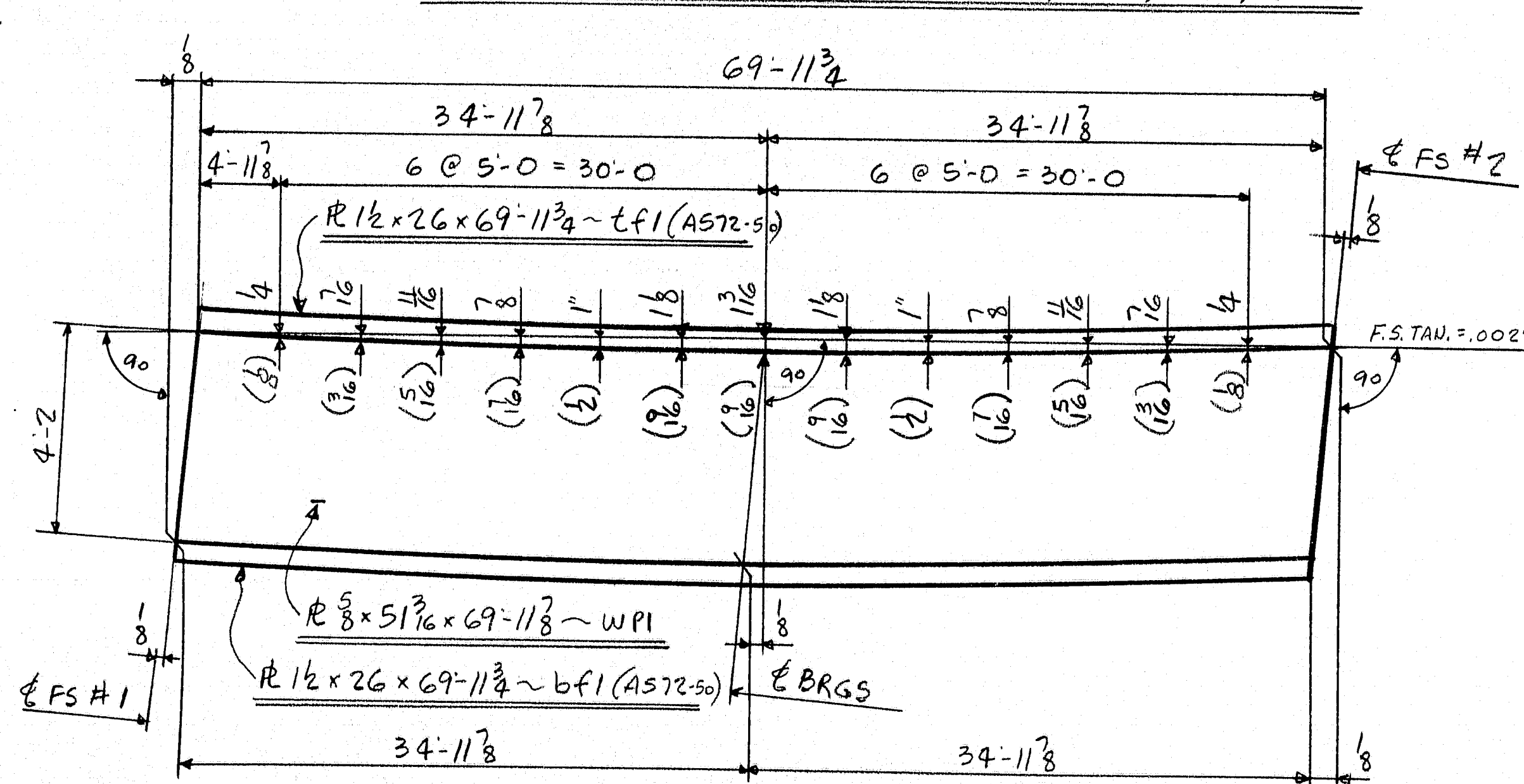
SHOP ASSEMBLY DIAGRAM - LINES 1 TO 5



CAMBER DIAGRAM FOR G1A, G2A, G3A, G4A, G5A



CAMBER DIAGRAM FOR G1C, G2C, G3C, G4C, G5C



CAMBER DIAGRAM FOR G1B, G2B, G3B, G4B, G5B

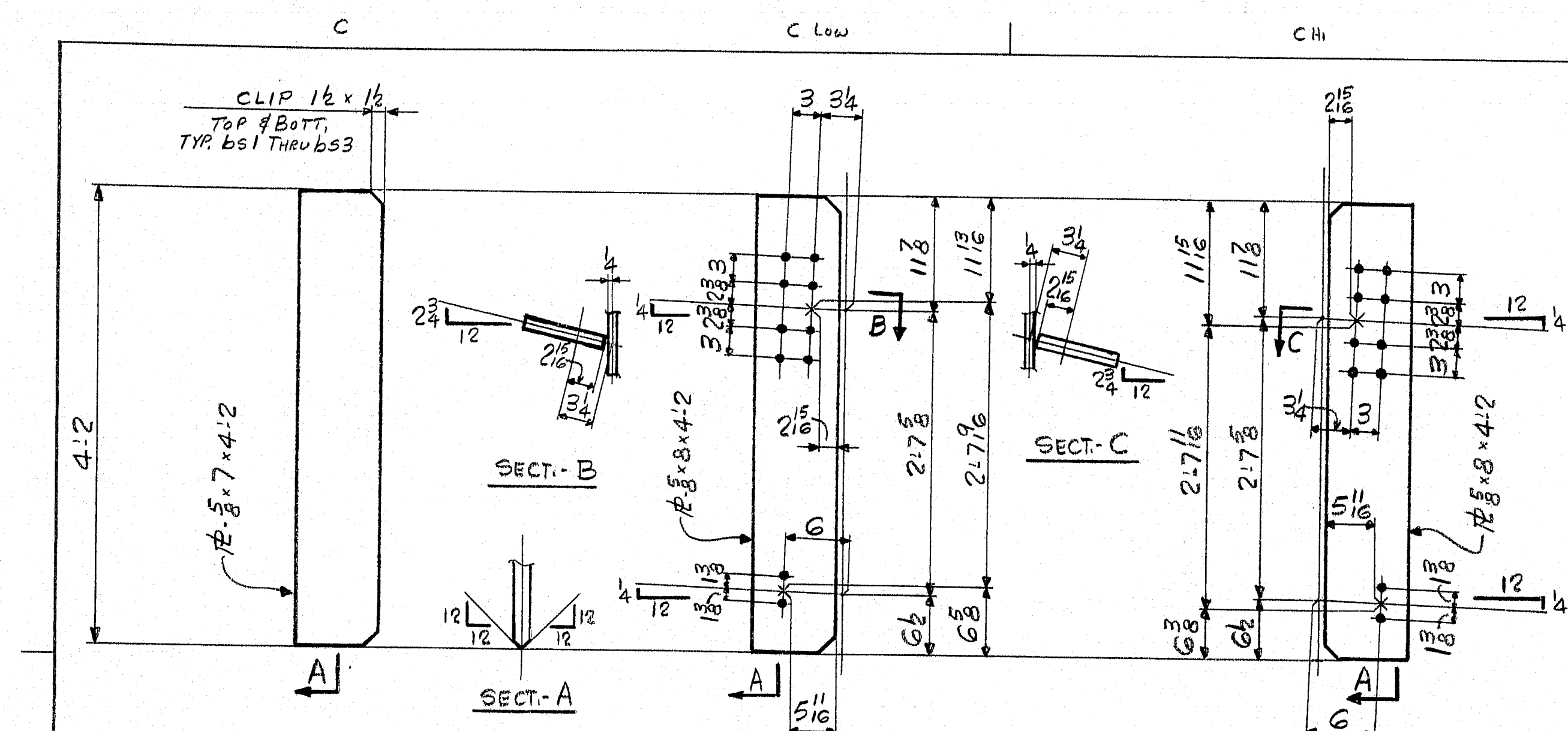
ALL MATERIAL A36 (V.N).  
( ) DENOTES SHOP CAMBER

IT. NO. 504.70	BR. NO.	PROJ. NO. I-95-9(102)297
<b>FOR APPROVAL</b>		<b>FOR FILES &amp; FIELD</b>
SHOP ASSEMBLY & CAMBER DIAGRAM		
APPROVED: 11-23-83	PRINT DIST.	
2 10-26-83 APP.	Bancroft & Martin Inc.	
3 1-3-84 FAB.	South Portland, Maine 04106	
25 1-3-84 F&F.	JOB: AIRPORT ROAD BRIDGE OVER I-95	
3 1-10-84 FAB	HOULTON, ARROOSTOOK COUNTY, MAINE	
CUSTOMER: REED & REED		
DESIGNER: STATE OF MAINE - DEPT. OF TRANS.		
REV. 1-10-84 JCM	ORDER NO.	JOB NO.
CHECKED 10/6/83 ELC	3-19	DRAWING NO. 52-1
DRAWN 10/4/83 LT		REV.

ADD SHOP CAMBER

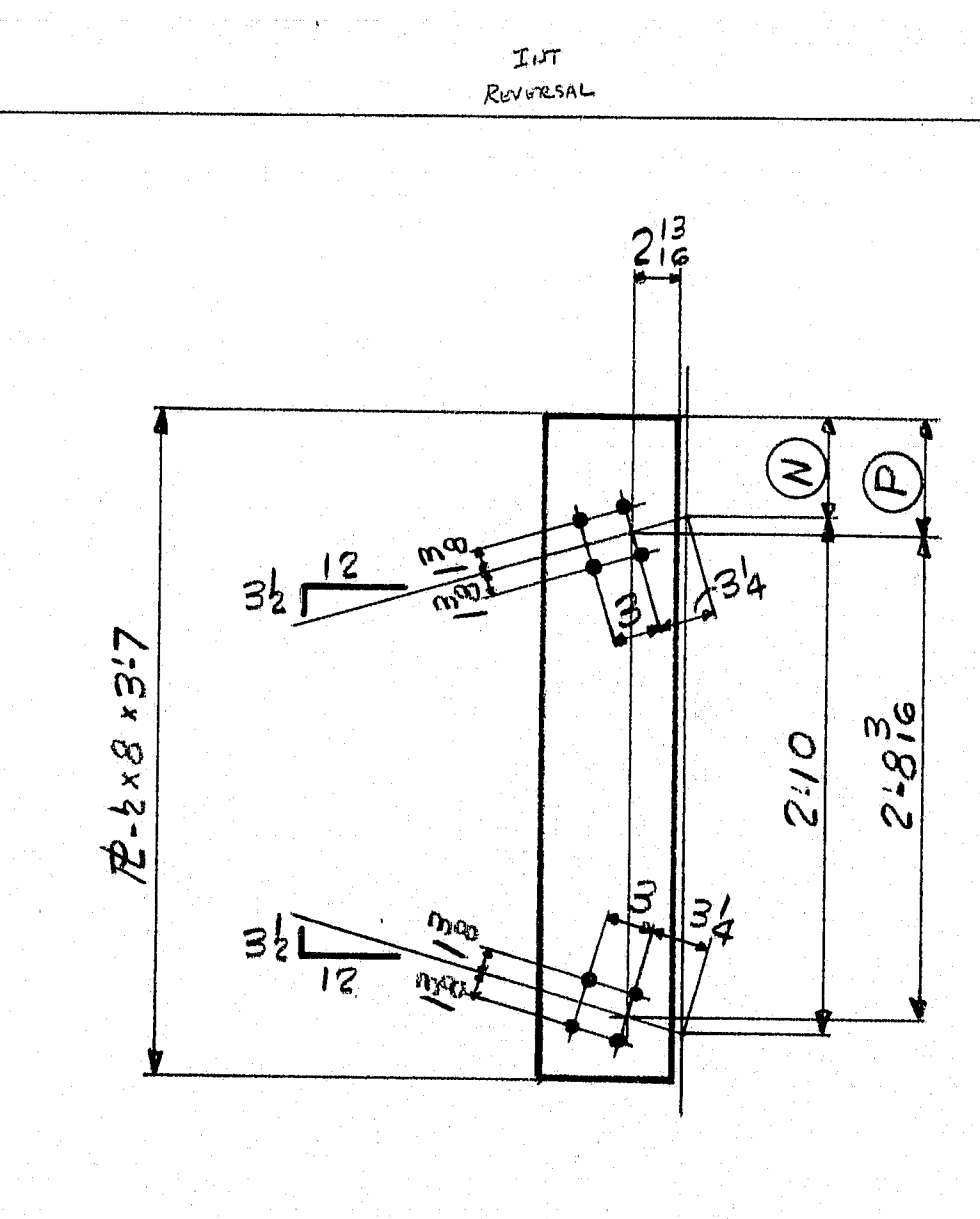
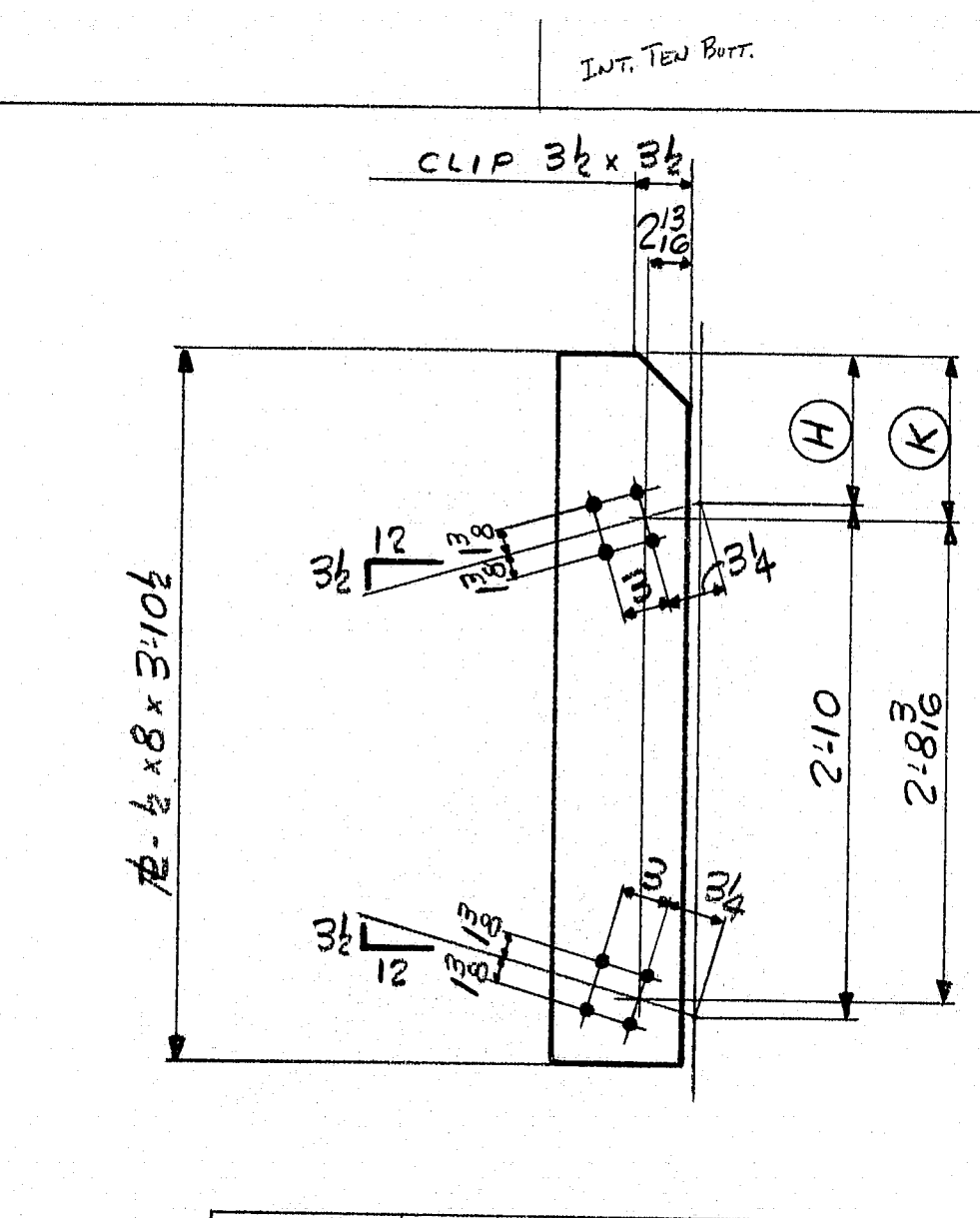
180-186





8-b s2

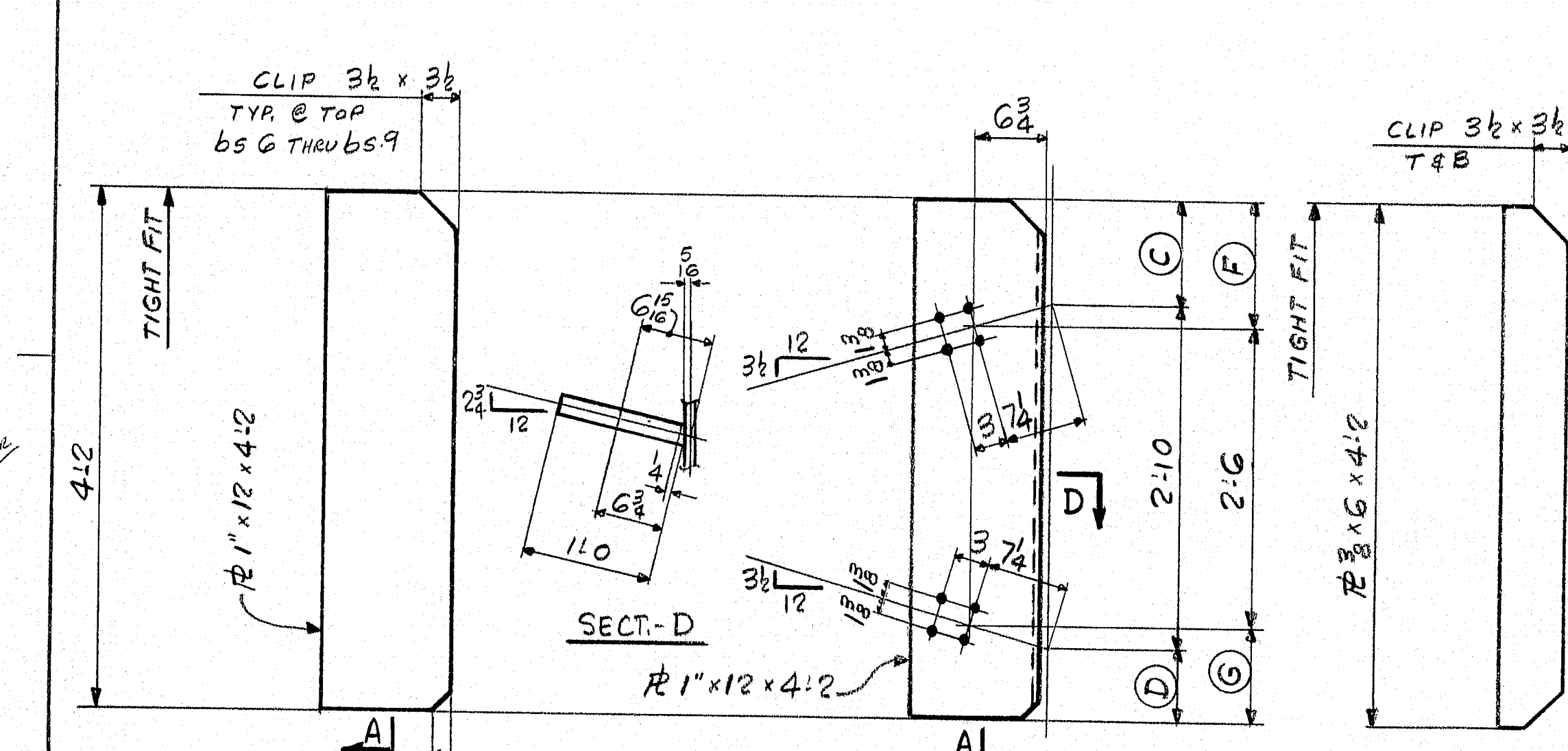
8-b s3



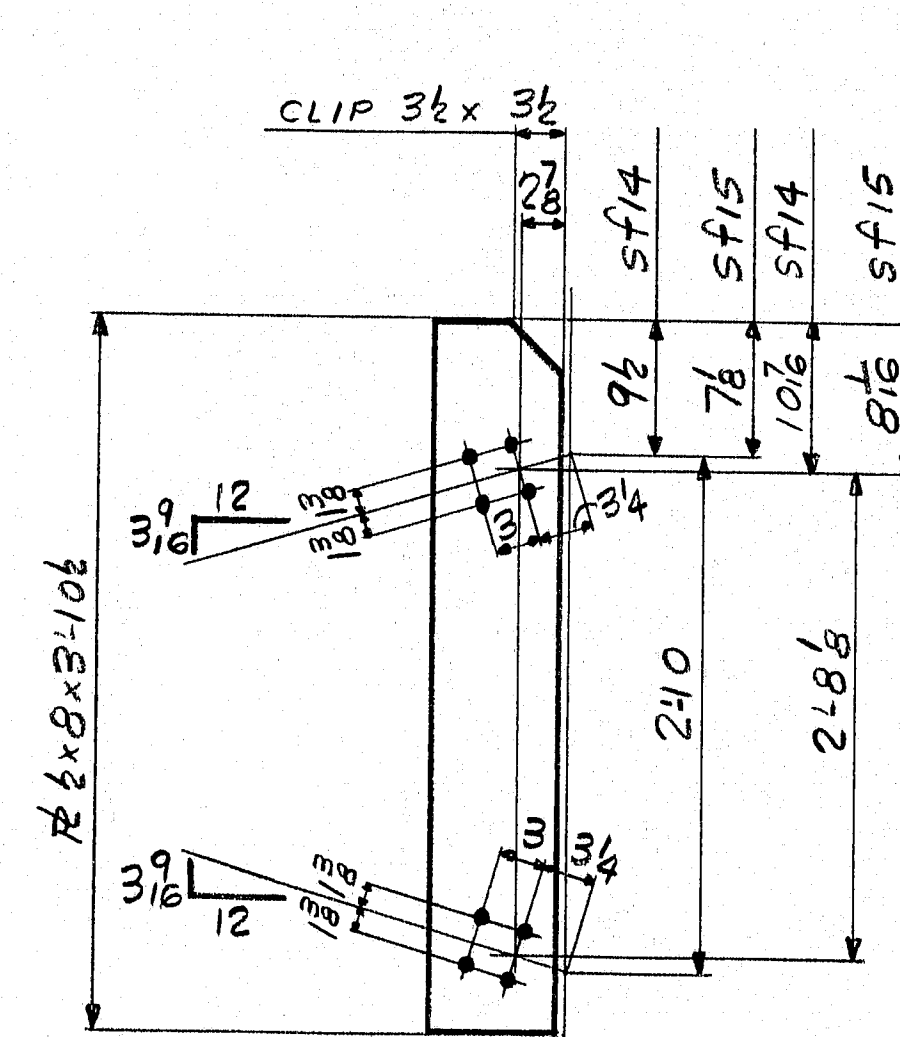
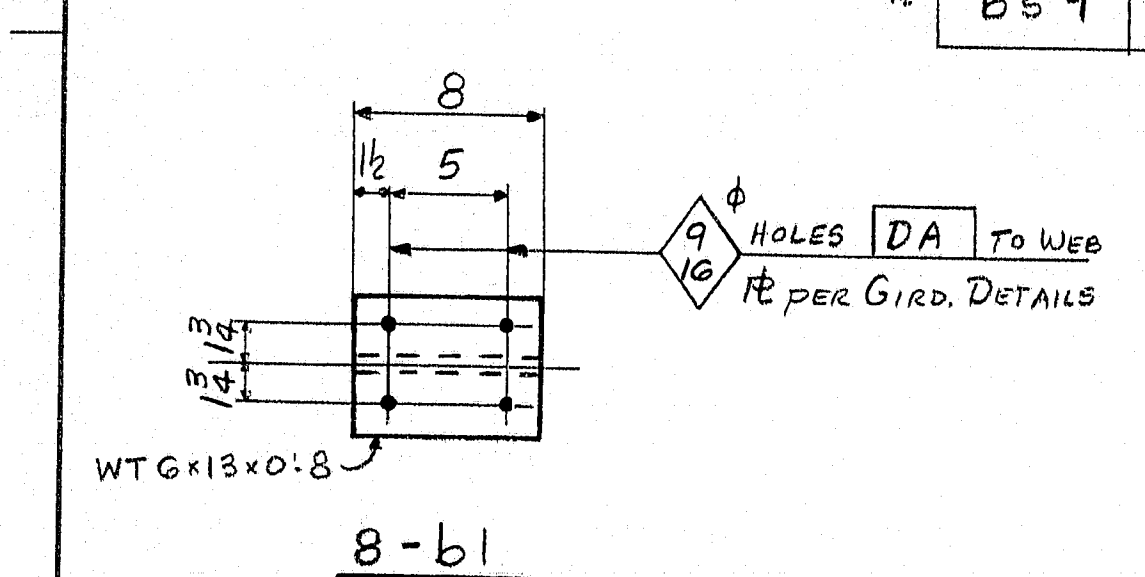
MARK	QTY	(H)	(K)
sf1	15	9 1/2	10 7/8
sf2	2	7 3/8	8 5/8
sf3	1	7 1/4	8 3/8
sf4	8	7 1/8	8 1/8
sf5	4	6 3/8	7 1/8

MARK	QTY	(N)	(P)
sf6	8	6	6 1/8
sf7	2	3 3/4	4 1/8
sf8	4	3 3/8	4 1/8
sf9	2	3 1/2	4 1/8

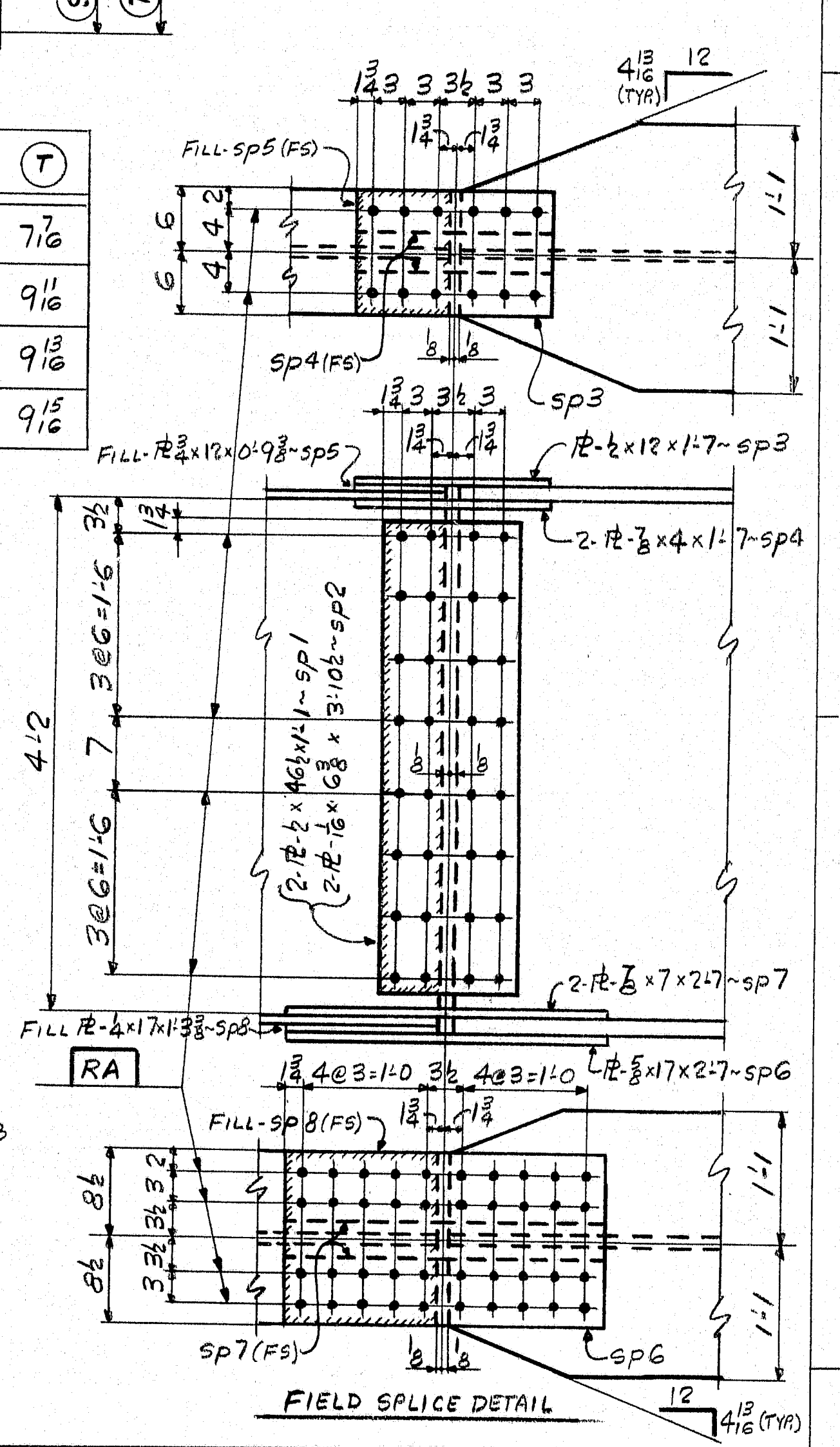
MARK	QTY	(S)	(T)
sf10	8	6 1/2	7 1/8
sf11	2	8 3/4	9 1/8
sf12	4	8 3/8	9 1/8
sf13	2	9	9 1/8



MARK	QTY	(C)	(D)	(F)	(G)
b s7	4	9 1/2	6 1/2	11 1/2	8 1/2
b s8	2	7 1/4	8 3/4	9 1/4	10 3/4
b s9	2	7"	9"	9"	11"



SHOP NOTE:  
HOLES NOTED [RA] TO BE SUB-PUNCHED OR SUB-DRILLED 1/8" AND REAMED TO 1/8" WITH ALL PARTS ASSEMBLED OR DRILLED FULL SIZE (1/8") FROM THE SOLID WITH ALL PARTS ASSEMBLED. ALL GIRDERS MUST BE ASSEMBLED PER SHOP ASSEMBLY DIAGRAM (DWG. 52-1) PRIOR TO REAMING OR DRILLING.



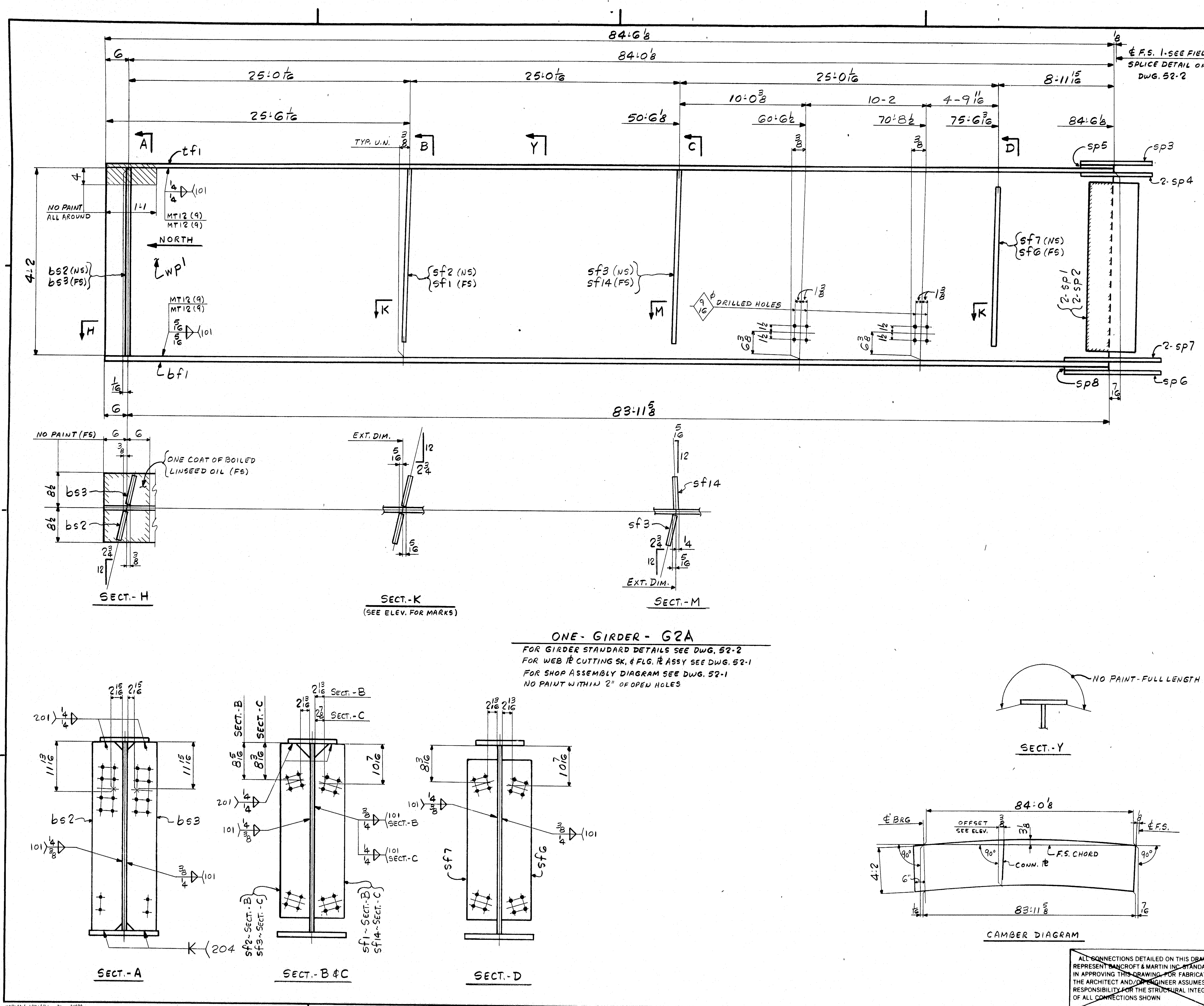
IT. NO. 504.70	BR. NO.	PROJ. NO. I-95-9(102)297
<b>FOR APPROVAL</b>		<b>FOR FILES &amp; FIELD</b>
GIRDER COMPONENTS		
APPROVED: 1-3-84	PRINT DIST.	
2 10-26-83 APP.	Bancroft & Martin Inc.	
8 1-3-84 FAB.	South Portland, Maine 04106	
25 1-3-84 F&F.	JOB: AIRPORT ROAD BRIDGE OVER I-95	
3 12-13-83 APP.	HOULTON, ARROOSTOOK COUNTY, MAINE	
CUSTOMER: REED & REED		
DESIGNER: STATE OF MAINE, DEPT. OF TRANS.		
REV. A 10-20-83 ELC/PH	ORDER NO.	JOB NO.
CHECKED 10-20-83 G/K		DRAWING NO.
DRAWN 10-4-83 ELC		REV.
	3-19	52-2

180-189









SHIP		BILL OF MATERIAL		JOB NO.		DRAWING NO.		REV.	
G2A		1		3-19		52-4			
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM	REMARKS		
1	WP1		PL 1/2 x 53 1/2	84' 6 1/2"	718.8	1/A	CVN 100 100 100		
1	tf1		PL 3/4 x 12	84' 6 1/2"	258.8	1/D	CVN 100 100 100		
1	bf1		PL 1/4 x 17	84' 5 1/2"	610.8	1/F	AS72-50 CVN		
2	sp1		PL 1/2 x 46 1/2	1' 1"	171	1/I	CVN 100 100 100		
2	sp2		PL 1/2 x 6 3/8	3' 10 1/2"	11	1/J	AS70 GR.36		
1	sp3		PL 1/2 x 12	1' 7"	32	1/L	CVN 100 100 100		
2	sp4		PL 1/2 x 4	1' 7"	38	1/M	CVN 100 100 100		
1	sp5		PL 1/2 x 12	0' 9 3/8"	24	1/N	AS72-50 CVN		
1	sp6		PL 1/2 x 17	2' 7"	93	1/P	CVN 100 100 100		
2	sp7		PL 1/2 x 7	2' 7"	108	1/Q	CVN 100 100 100		
1	sp8		PL 1/2 x 17	1' 3 3/8"	19	1/R	AS72-50 CVN		
1	bs2		PL 1/2 x 8	4' 2"	71	1/S	AS72-50 CVN		
1	bs3		PL 1/2 x 8	4' 2"	71	1/T	AS72-50 CVN		
1	sf1		PL 1/2 x 8	3' 10 1/2"	53	1/U	AS72-50 CVN		
1	sf2		PL 1/2 x 8	3' 10 1/2"	53	1/V	AS72-50 CVN		
1	sf3		PL 1/2 x 8	3' 10 1/2"	53	1/W	AS72-50 CVN		
1	sf6		PL 1/2 x 8	3' 7"	49	1/X	AS72-50 CVN		
1	sf7		PL 1/2 x 8	3' 7"	49	1/Y	AS72-50 CVN		
1	sf14		PL 1/2 x 8	3' 10 1/2"	53	1/Z	AS72-50 CVN		

180-189









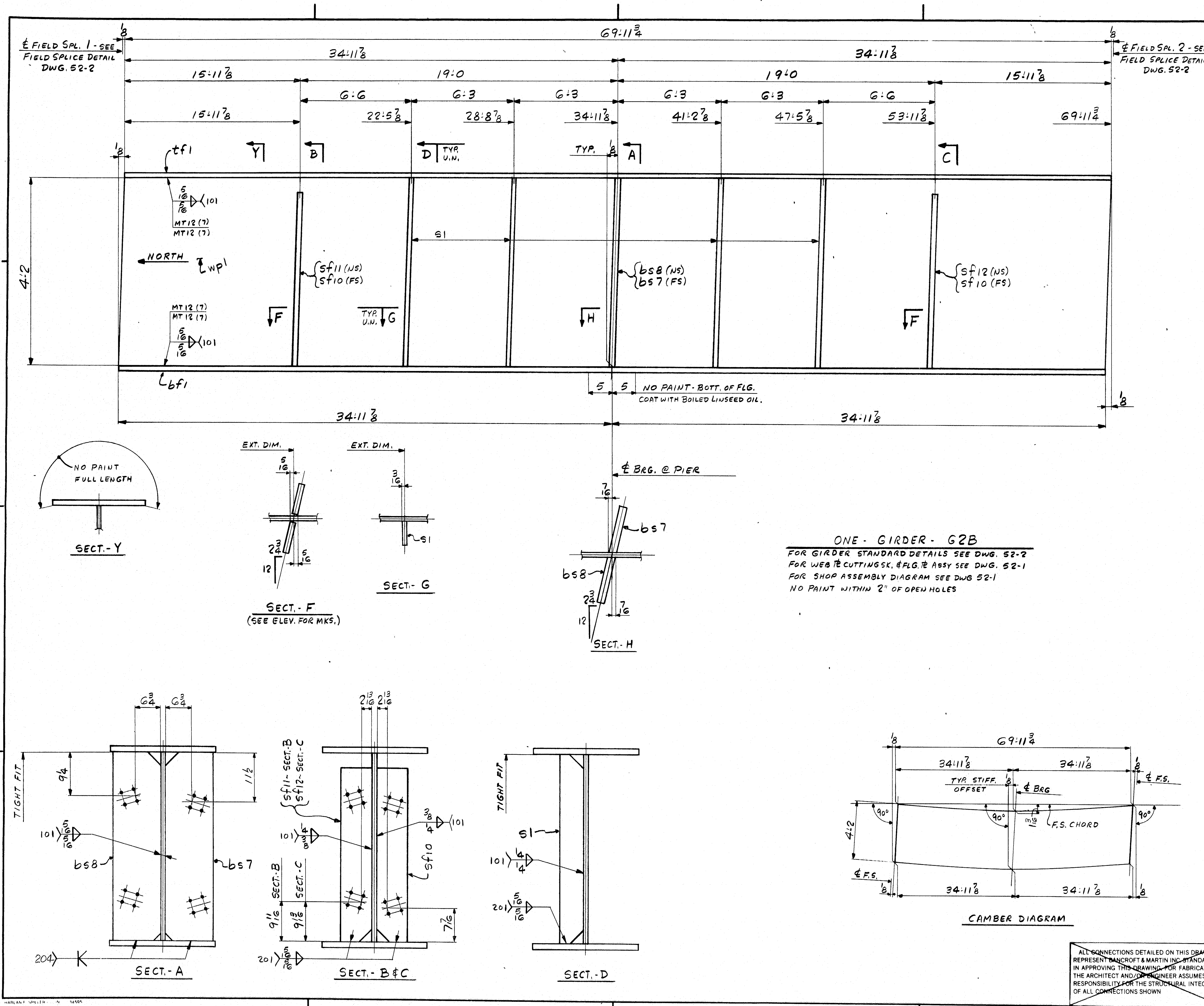












SHIP		BILL OF MATERIAL			JOB NO.		DRAWING NO.		REV.
					3-19		52-9		△
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS		
G2B			GIRDER						
	1	wp1	16 5/8 x 51 1/2	69 11 1/2	744.2	1/8	CVN 53 x 74 3		
	1	tf1	16 1/2 x 26	69 11 1/2	9287	1/6	AS72-50 CVN		
	1	bf1	16 1/2 x 26	69 11 1/2	9287	1/6	AS72-50 CVN		
	1	bs7	16 1" x 12	4 2	170	3/8	FIE 10 5/8 x 12 1/2		
	1	bs8	16 1" x 12	4 2	170	3/8	FIE 10 5/8 x 12 1/2		
	4	sf1	16 3/4 x 6	4 2	128	3/8	FIE 4 @ 20' 0		
	2	sf10	16 1/2 x 8	3 10 1/2	53	3/8	13 @ 20' 4"		
	1	sf11	16 1/2 x 8	3 10 1/2	53	3/8			
	1	sf12	16 1/2 x 8	3 10 1/2	53	3/8			
					2669.5				

IT. NO. 504.70 BR. NO. PROJ. NO. I-95-9(102)297

**FOR APPROVAL** **FOR FILES & FIELD**

STEEL: ASTM ☒ A36 ☐ A572 GR1 ☐ A588 GR1 ☐ Unless Noted

WELDING ELECTRODE: ☐ E70 ☒ See Welding Proc. ☐ None

SHOP CONN: ☐ Bolted ☒ Welded ☐ None

FIELD CONN: ☒ Bolted ☐ Welded ☐ None

HOLES: ☐ 13/16 ☒ 15/16 ☐ Unless Noted ☐ None

PAINT: ☐ None ☒ Shopcoat ☐ Galv. After Fab. ☒ As Noted

SPECIAL PAINT: ☐ None ☒ Blast Clean ☐ None SSPC-SP6

SPECIAL CLEANING: ☒ Blast Clean ☐ None SSPC-SP6

**GIRDER - G2B**

APPROVED: 1-3-84

PRINT DIST.

2 10-26-83 APP.

8 1-3-84 FAB.

25 1-3-84 F&F.

3 12-13-83 APP.

**Ranocroft & Martin Inc.**  
South Portland, Maine 04106

JOB: AIRPORT ROAD BRIDGE OVER I-95  
HOULTON, AROOSTOOK COUNTY, MAINE

CUSTOMER: REED & REED

DESIGNER: STATE OF MAINE - DEPT. OF TRANS.

ORDER NO. JOB NO. DRAWING NO. REV.

10-20-83 G K 3-19 52-9 △

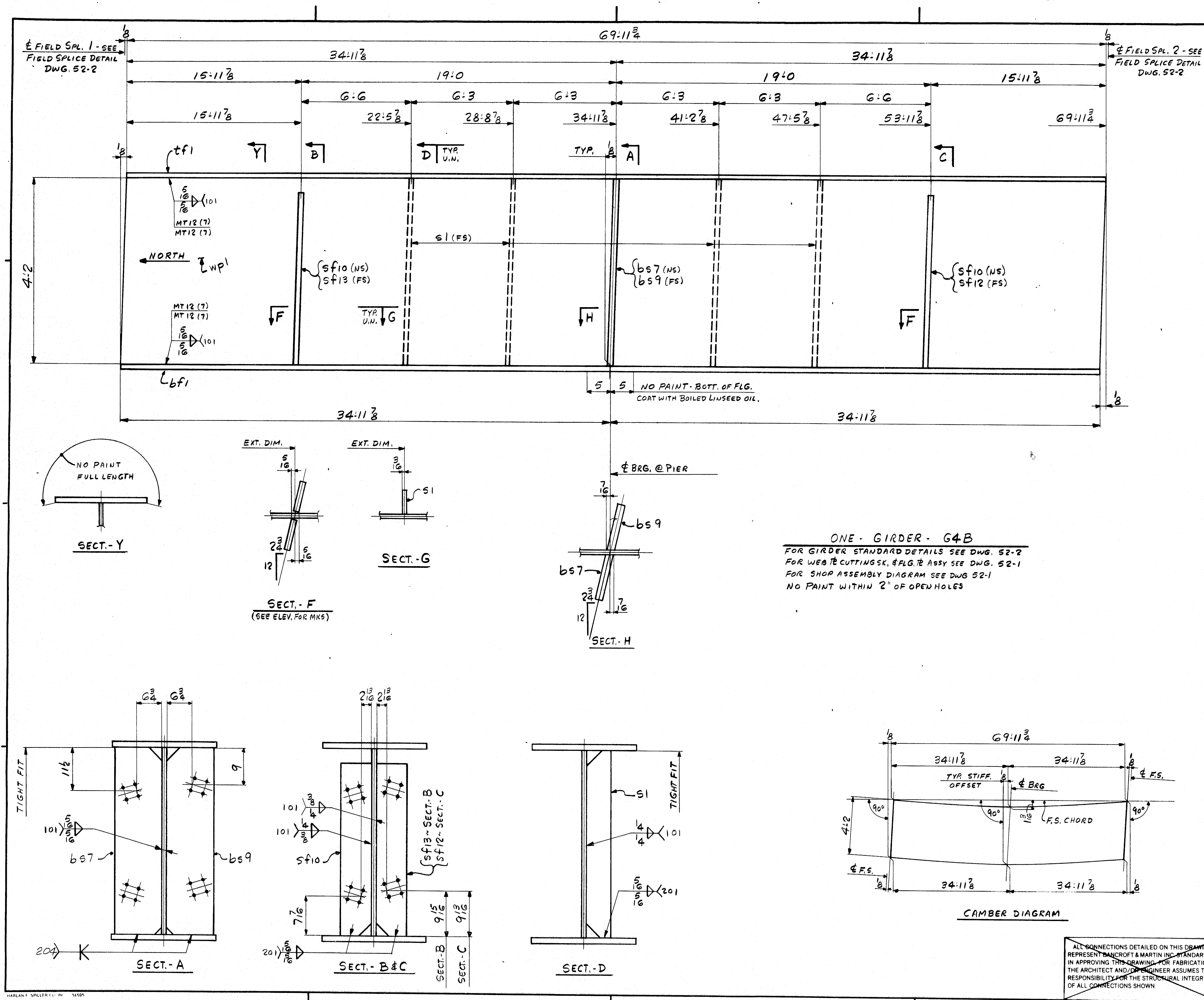
10-8-83 ELC

180-194



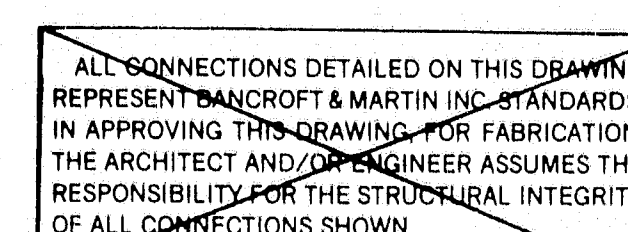






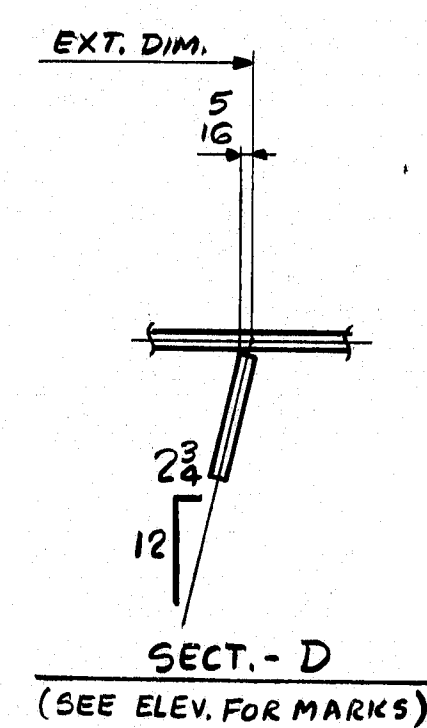
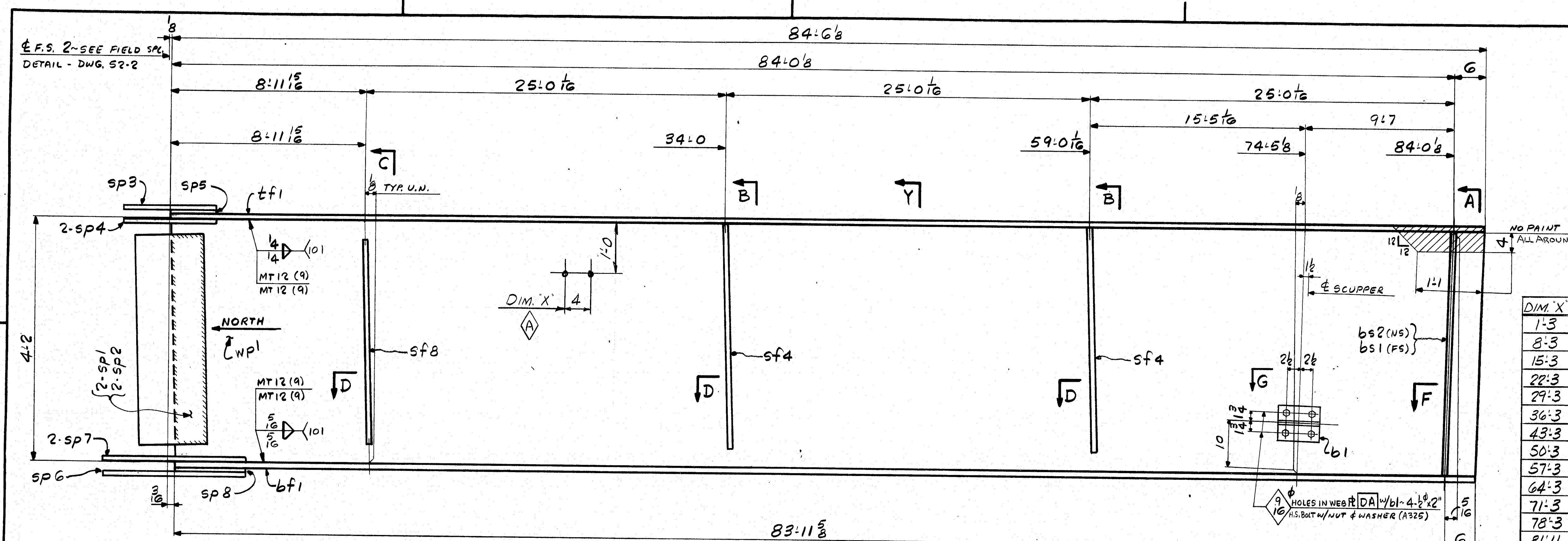
SHIP		BILL OF MATERIAL			JOB NO.		DRAWING NO.		REV.
					3-19		52-11		△
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS		
G4B			GIRDER						
	1	wp1	1/2" x 51 1/2"	69	11 3/4	74.2	1/8		CVN 53 X 70.3
	1	tf1	1/2" x 26"	69	11 3/4	92.87	1/8	10	A572-50 CVN
	1	bf1	1/2" x 26"	69	11 3/4	92.87	1/8	1/4" 3	A572-50 CVN
	1	bs7	1" x 12"	4	2	170	3/4	}	1/8" x 12" 10
	1	bs9	1" x 12"	4	2	170	3/4		FIE CUTS 84, 518
	4	sf1	1/2" x 6"	4	2	12.8	3/8	}	FIE 1/8" x 5/16" 5V
	2	sf10	1/2" x 8"	3	10 1/2	105	3/4		FIE 4 @ 20'
	1	sf12	1/2" x 8"	3	10 1/2	53	3/4	}	13 @ 20' 4"
	1	sf13	1/2" x 8"	3	10 1/2	53	3/4		
						26695			



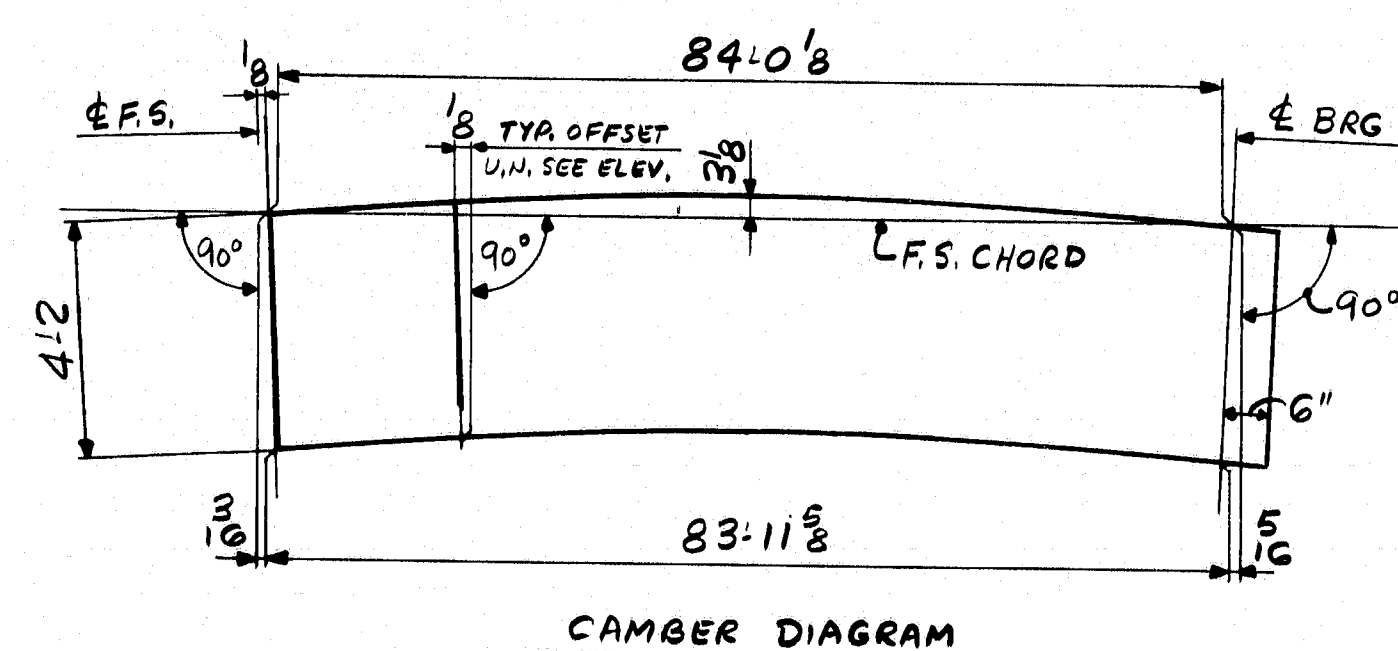
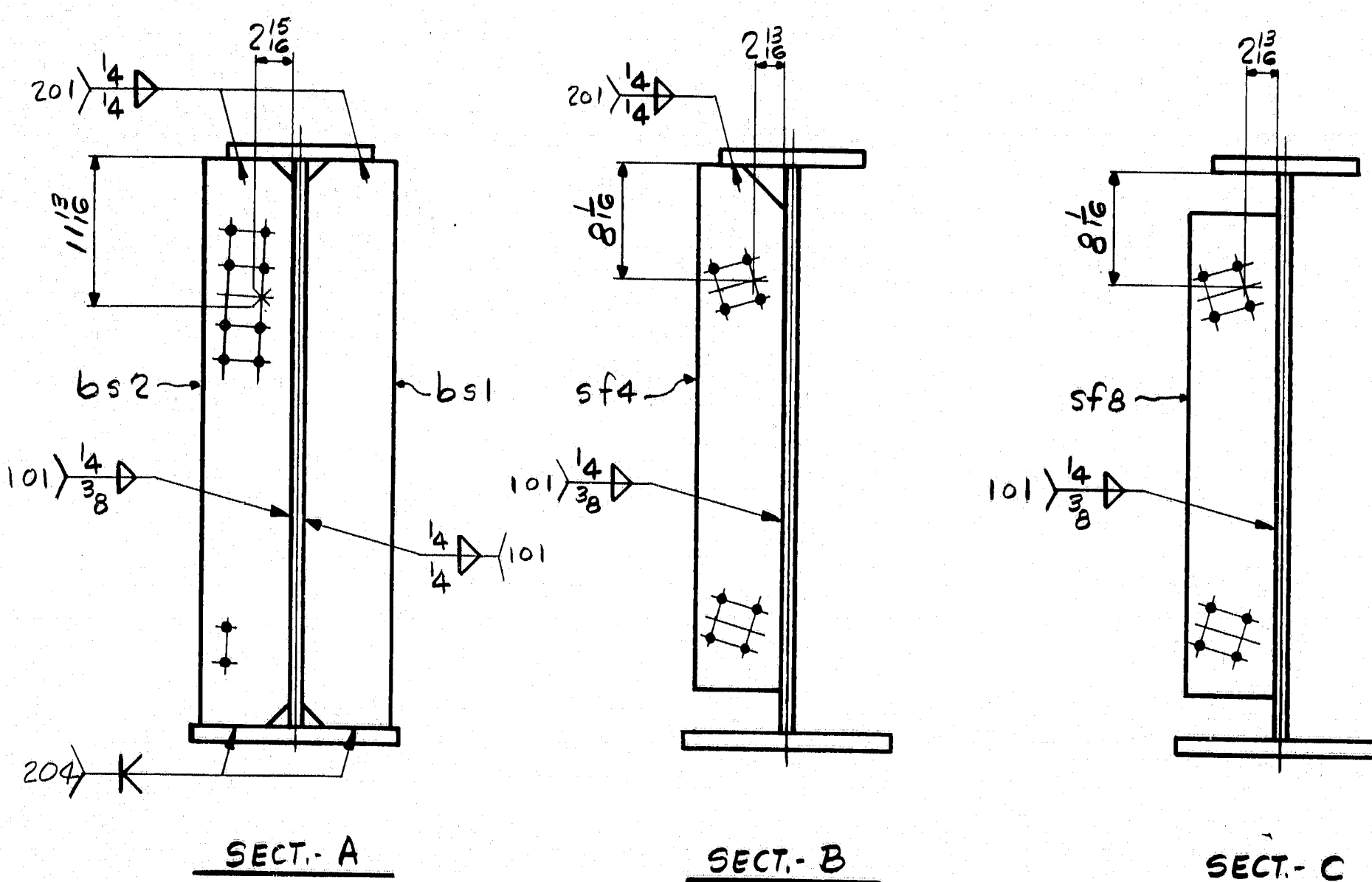
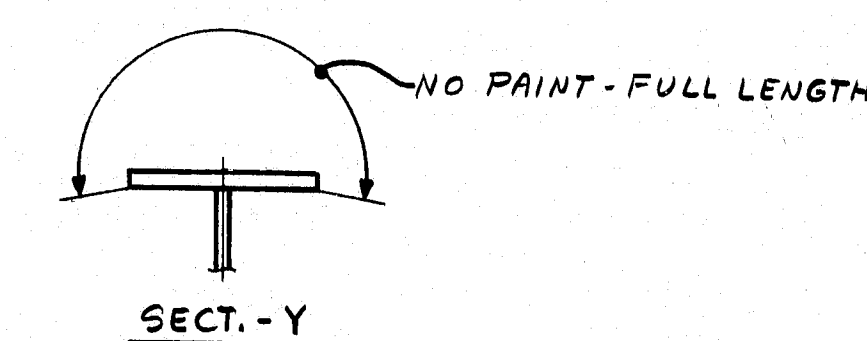
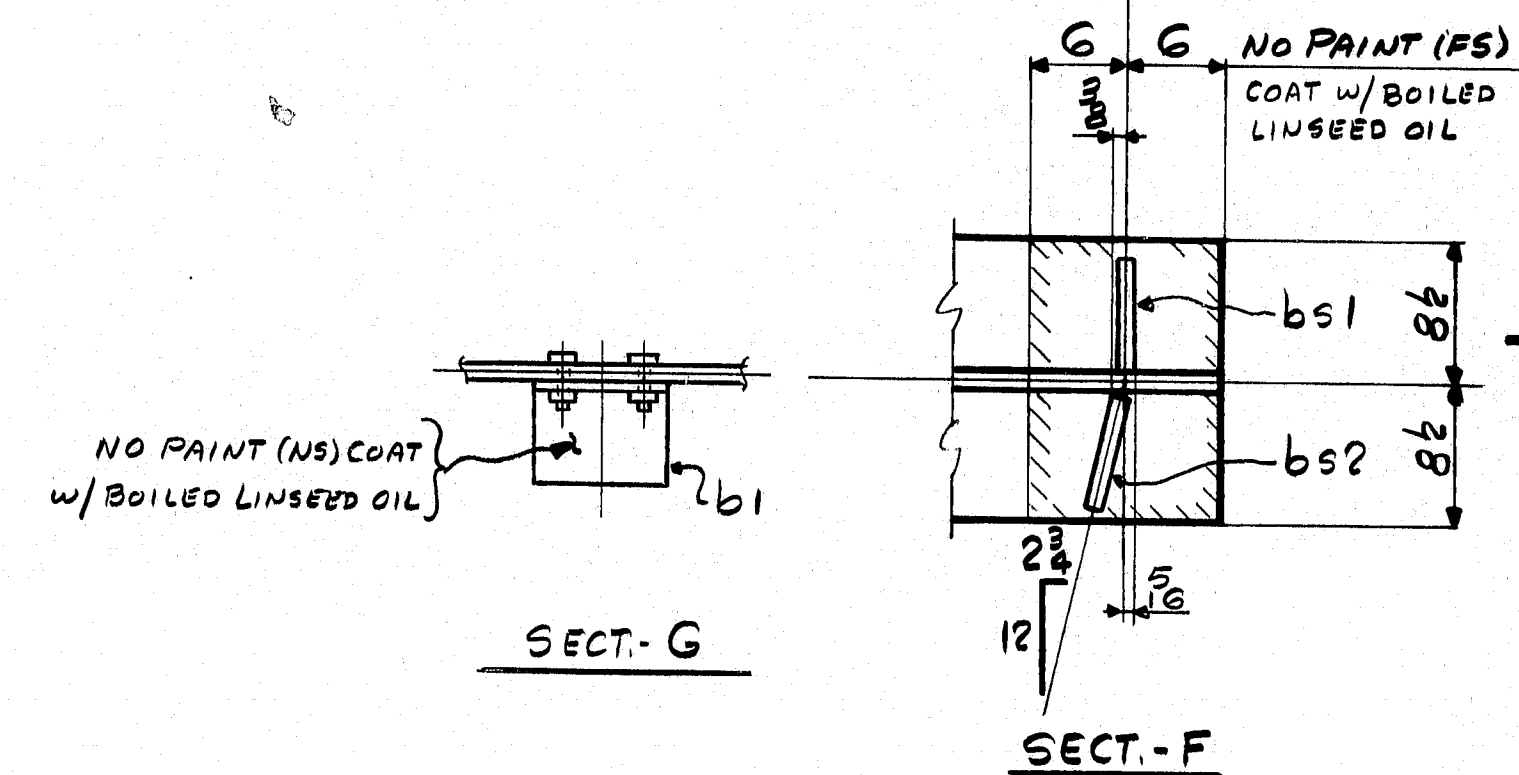


180-197<sup>3-19</sup>





**ONE GIRDER - GIC**  
 FOR GIRDER STANDARD DETAILS SEE DWG. 52-2  
 FOR WEB CUTTING SK. & FLG. & ASSY SEE DWG. 52-1  
 FOR SHOP ASSEMBLY DIAGRAM SEE DWG. 52-1  
 NO PAINT WITHIN 2" OF OPEN HOLES U.N.

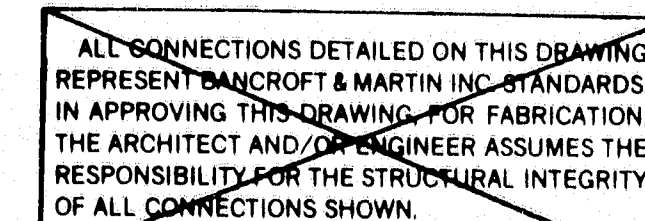


ALL CONNECTIONS DETAILED ON THIS DRAWING REPRESENT BANCROFT & MARTIN STANDARDS. IN APPROVING THIS DRAWING, THE ARCHITECT AND/OR ENGINEER ASSUMES THE RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF ALL CONNECTIONS SHOWN.

SHIP		BILL OF MATERIAL			JOB NO.		DRAWING NO.		REV.
					3-19		52-13		△
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS		
GIC	1		GIRDER						
	1	wpl	1/2" x 53 1/8"	84	6 1/8	7188	1/A	9" 25K 8119 CVN 50-50 216 (1)	
	1	tf1	1/2" 3/4" x 12	84	6 1/8	2588	1/D	CVN 50-50 9	
	1	bfi	1/2" 1/4" x 17	84	5 5/8	6108	1/F	A572-50 CVN	
	2	sp1	1/2" 1/2" x 46 1/2	1	1	171	1/I	CVN 96 X 144	
	2	sp2	1/2" 1/2" x 6 3/8	3	10 1/2	11	1/J	A570 GR. 36	
	1	sp3	1/2" 1/2" x 12	1	7	32	1/L	CVN 280 15 280 12 1/2	
	2	sp4	1/2" 3/8" x 4	1	7	32	1/M	CVN 48 X 96	
	1	sp5	1/2" 3/4" x 12	0	9 3/8	24	1/N	RES. 15 X 15' 0"	
	1	sp6	1/2" 5/8" x 17	2	7	93	1/P	CVN A588	
	2	sp7	1/2" 7/8" x 7	2	7	108	1/Q	CVN A572-50	
	1	sp8	1/2" 1/4" x 17	1	3 3/8	19	1/R	1/8" 3/4" x 1/2" 1/4" x 1/2" x 1/4"	
	1	bs2	1/2" 5/8" x 8	4	2	71	3/8"	RES. 18 X 20'	
	1	bs1	1/2" 5/8" x 7	4	2	62	3/8"		
	2	sf4	1/2" 1/2" x 8	3	10 1/2	105	1/D	13 @ 20' 4"	
	1	sf8	1/2" 1/2" x 8	3	7	49	1/D	13 @ 20' 4"	
	1	b1	WT 6 x 13	0	8	9	3/8"	1/4" x 1/2" x 1/4"	
	4		1/2" H.S. BOLT	0	2	1	7/8"	W/ NUT A325 TYPE 1	
	4		1/2" HD FLAT WASH			1	7/8"	2390	
						16678			
IT. NO. 504.70 BR. NO. PROJ. NO. I-95-9(102)297									
FOR APPROVAL					FOR FILES & FIELD				
STEEL: ASTM. <input checked="" type="checkbox"/> A36 <input type="checkbox"/> A572 GR. <input type="checkbox"/> A588 GR. <input checked="" type="checkbox"/> Unless Noted									
WELDING ELECTRODE: <input type="checkbox"/> E70 <input checked="" type="checkbox"/> See Welding Proc. <input type="checkbox"/> None									
SHOP CONN: <input checked="" type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None									
FIELD CONN.: <input checked="" type="checkbox"/> Bolted <input type="checkbox"/> Welded <input type="checkbox"/> None									
HOLES: <input type="checkbox"/> 13/16" <input checked="" type="checkbox"/> 15/16" <input type="checkbox"/> Unless Noted <input type="checkbox"/> None									
PAINT: <input type="checkbox"/> None <input checked="" type="checkbox"/> Shopcoat <input type="checkbox"/> Galv. After Fab. <input checked="" type="checkbox"/> As Noted									
SPECIAL PAINT:									
SPECIAL CLEANING: <input checked="" type="checkbox"/> Blast Clean <input type="checkbox"/> None SSPC-SP6									
GIRDER - GIC									
APPROVED: 1-3-84									
PRINT DIST.									
2 10-26-83 APP.									
3 1-3-84 FAB.									
25 1-3-84 F&F.									
3 12-13-83 APP.									
JOB: AIRPORT ROAD BRIDGE OVER I-95									
HOULTON, ARROOSTOOK COUNTY, MAINE									
CUSTOMER: REED & REED									
DESIGNER: STATE OF MAINE - DEPT. OF TRANS.									
ORDER NO. JOB NO. DRAWING NO. REV.									
3-19 52-13 △									

180-198-8





180-199

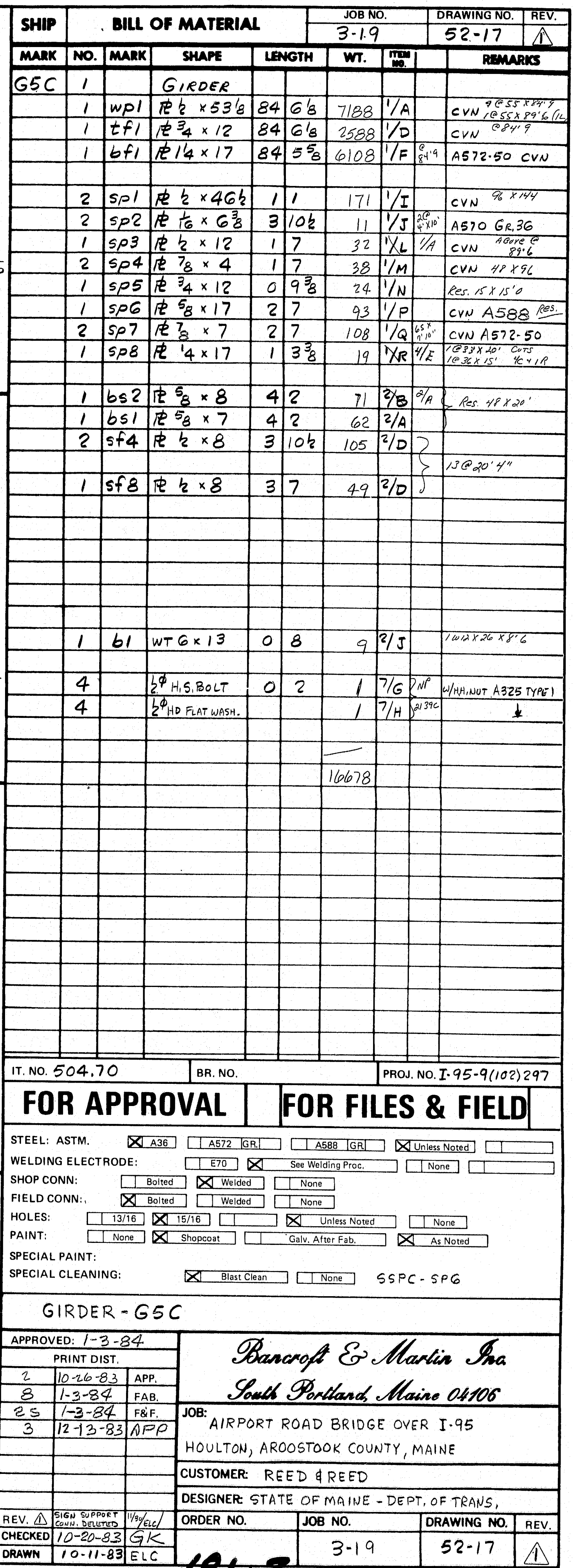






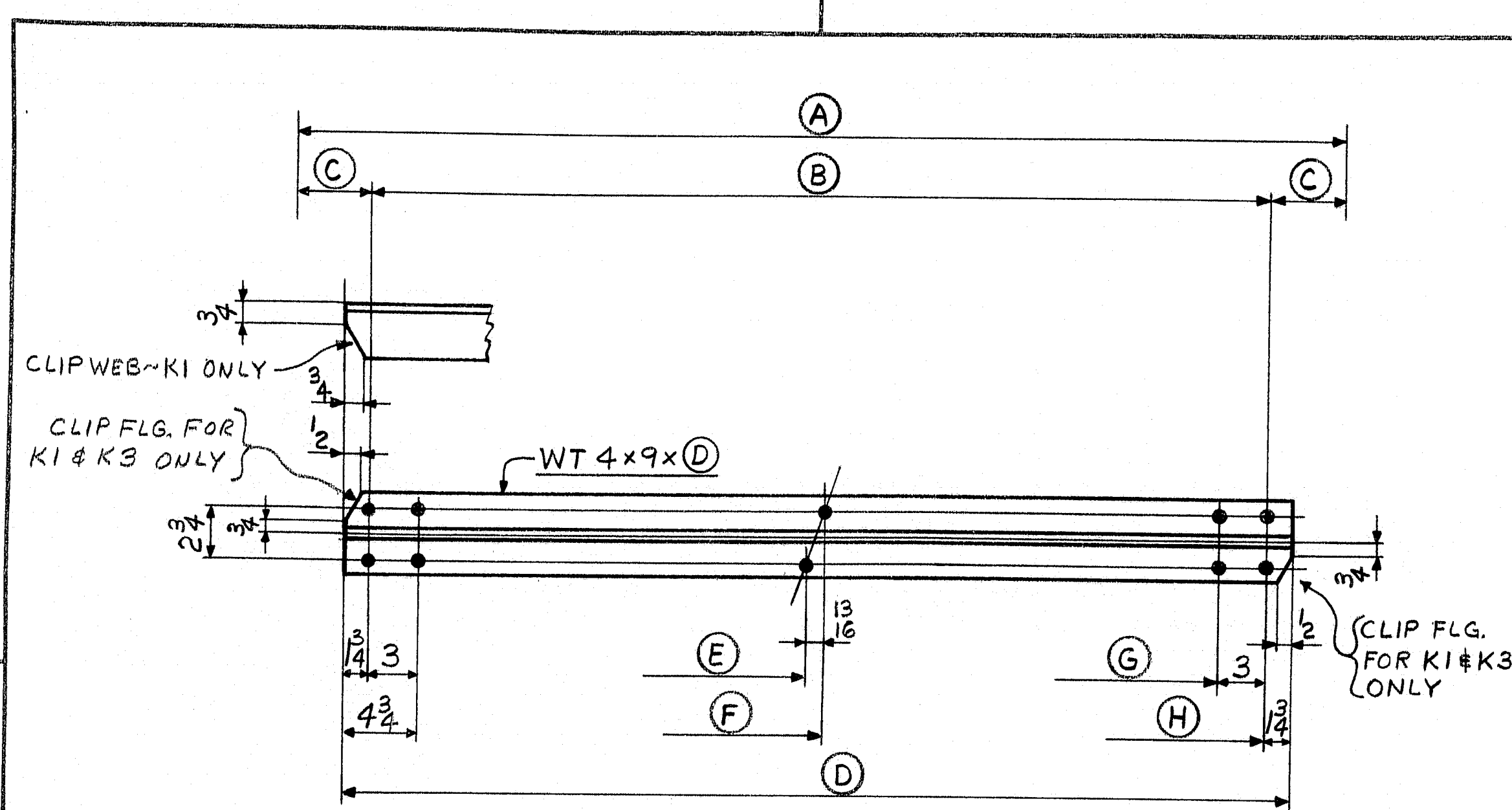






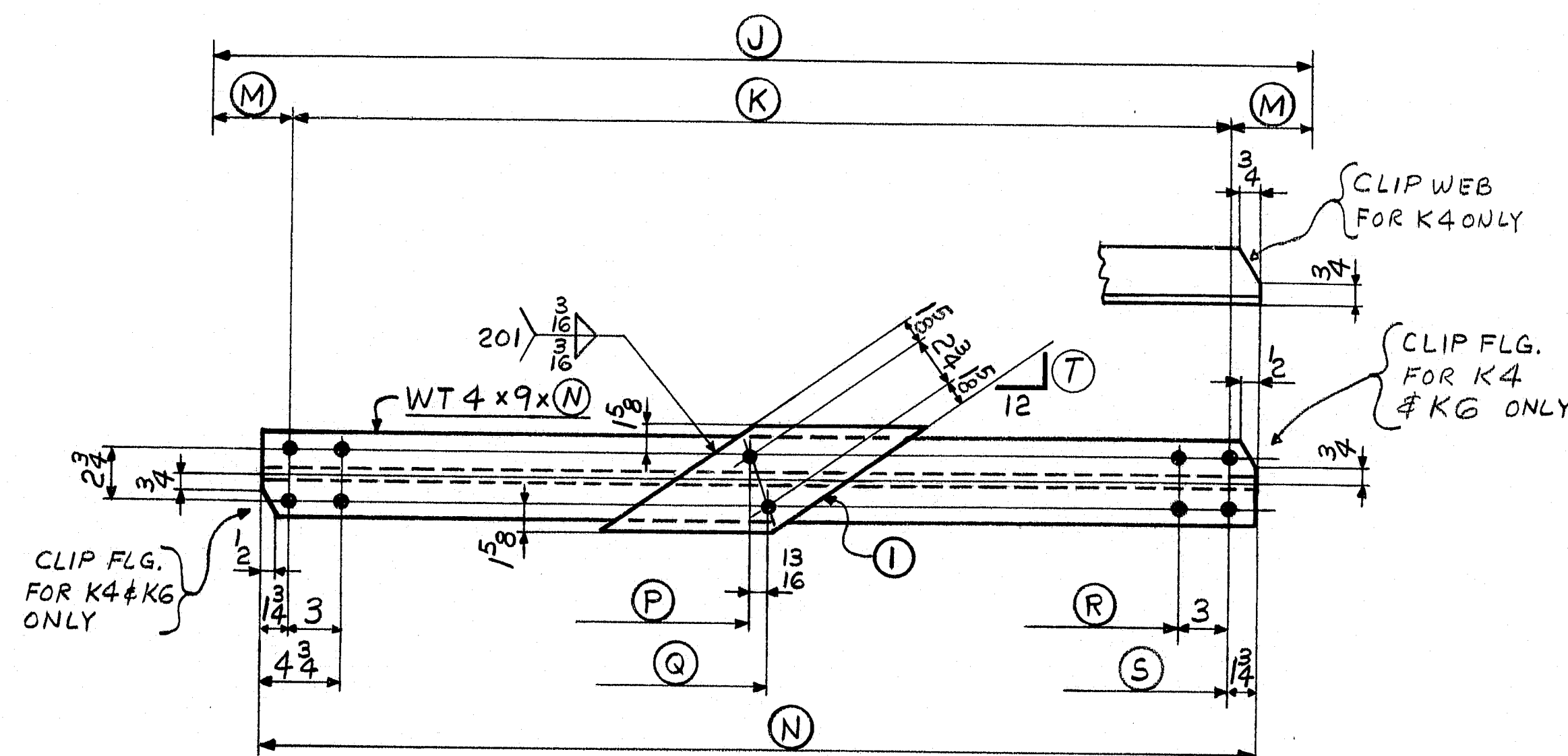
181-2 3-19 902-08





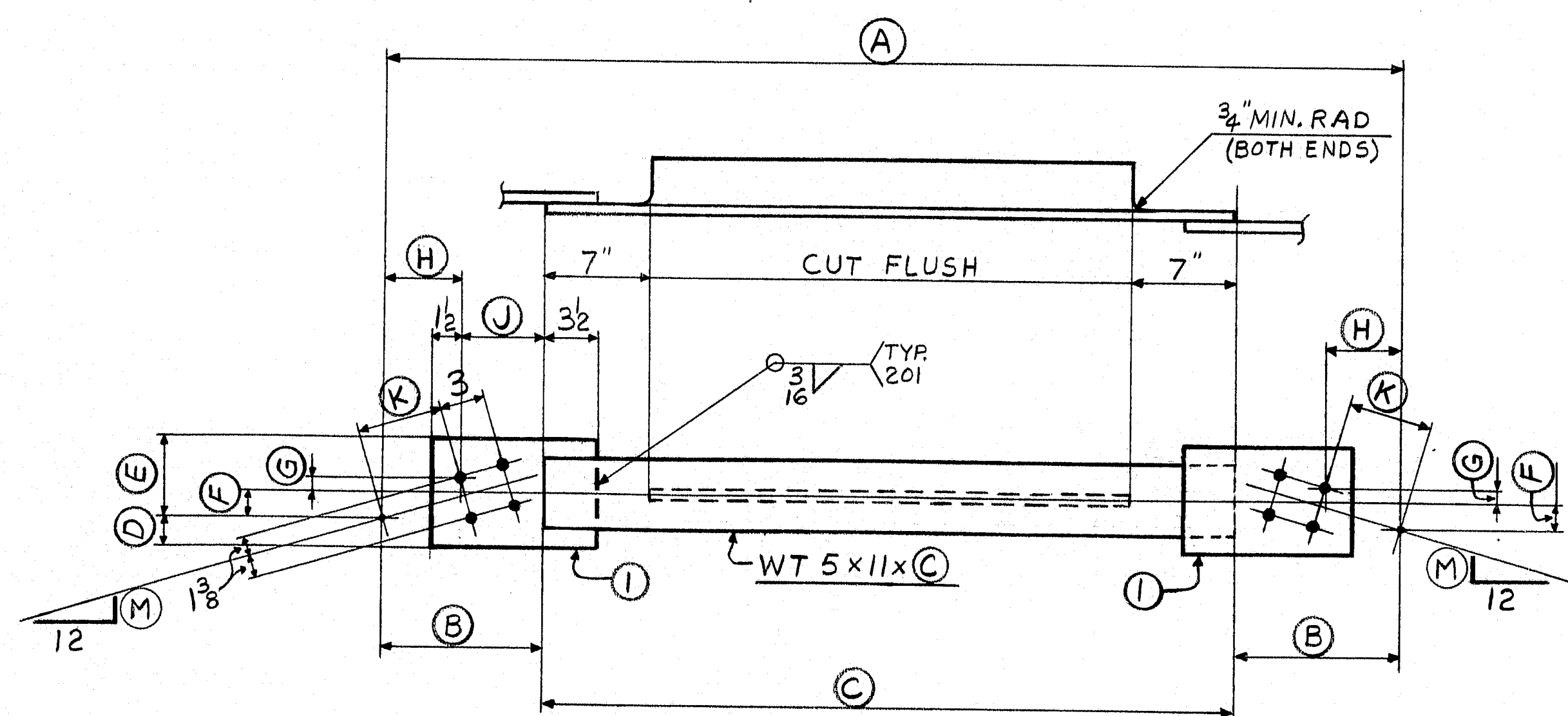
CROSSFRAME DIAGONALS

	MARK	N <sup>o</sup> REQ'D	A	B	C	D	E	F	G	H
INT.	K1	31	10'-1 1/8"	9'-7 3/8"	3 1/4"	9'-10 7/8"	4'-11"	4'-11 1/8"	9'-6 1/8"	9'-9 1/8"
PIER	K2	4	10'-1 1/8"	8'-11 3/8"	7 1/4"	9'-2 5/8"	4'-7"	4'-7 1/8"	8'-10 1/8"	9'-1 1/8"
SS3	K3	1	9'-11"	9'-4 1/2"	3 1/4"	9'-8"	4'-9 1/16"	4'-10 3/8"	9'-3 1/4"	9'-6 1/4"



CROSSFRAME DIAGONALS

	MARK	N <sup>o</sup> REQ'D	J	K	M	N	P	Q	R	S	T
INT.	K4	31	10'-1 1/8"	9'-7 3/8"	3 1/4"	9'-10 7/8"	4'-11"	4'-11 1/8"	9'-6 1/8"	9'-9 1/8"	p1 7 3/8"
PIER	K5	4	10'-1 1/8"	8'-11 3/8"	7 1/4"	9'-2 5/8"	4'-7"	4'-7 1/8"	8'-10 1/8"	9'-1 1/8"	p2 7 3/8"
SS3	K6	1	9'-11"	9'-4 1/2"	3 1/4"	9'-8"	4'-9 1/16"	4'-10 3/8"	9'-3 1/4"	9'-6 1/4"	p5 7 3/8"



CROSSFRAME STRUTS

	MARK	N <sup>o</sup> REQ'D	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)	(M)
INT.	K7	15	9'-9"	9"	8'-3"	2 3/4"	4 3/4"	1"	1 1/4"	2 3/4"	6 1/4"	3 1/4"	p3	3 1/2"
PIER	K8	2	9'-9"	1'-1"	7'-7"	1 3/4"	5 3/4"	2"	1 3/8"	6 3/8"	7 1/4"	p4	p4	3 1/2"
SS3	K9	1	9'-6 1/16"	9"	8'-0 1/16"	2 3/4"	4 3/4"	1"	1 1/4"	2 3/4"	6 1/4"	3 1/4"	p6	3 1/2"

NOTE:

NO PAINT WITHIN 2"  
OF OPEN HOLES

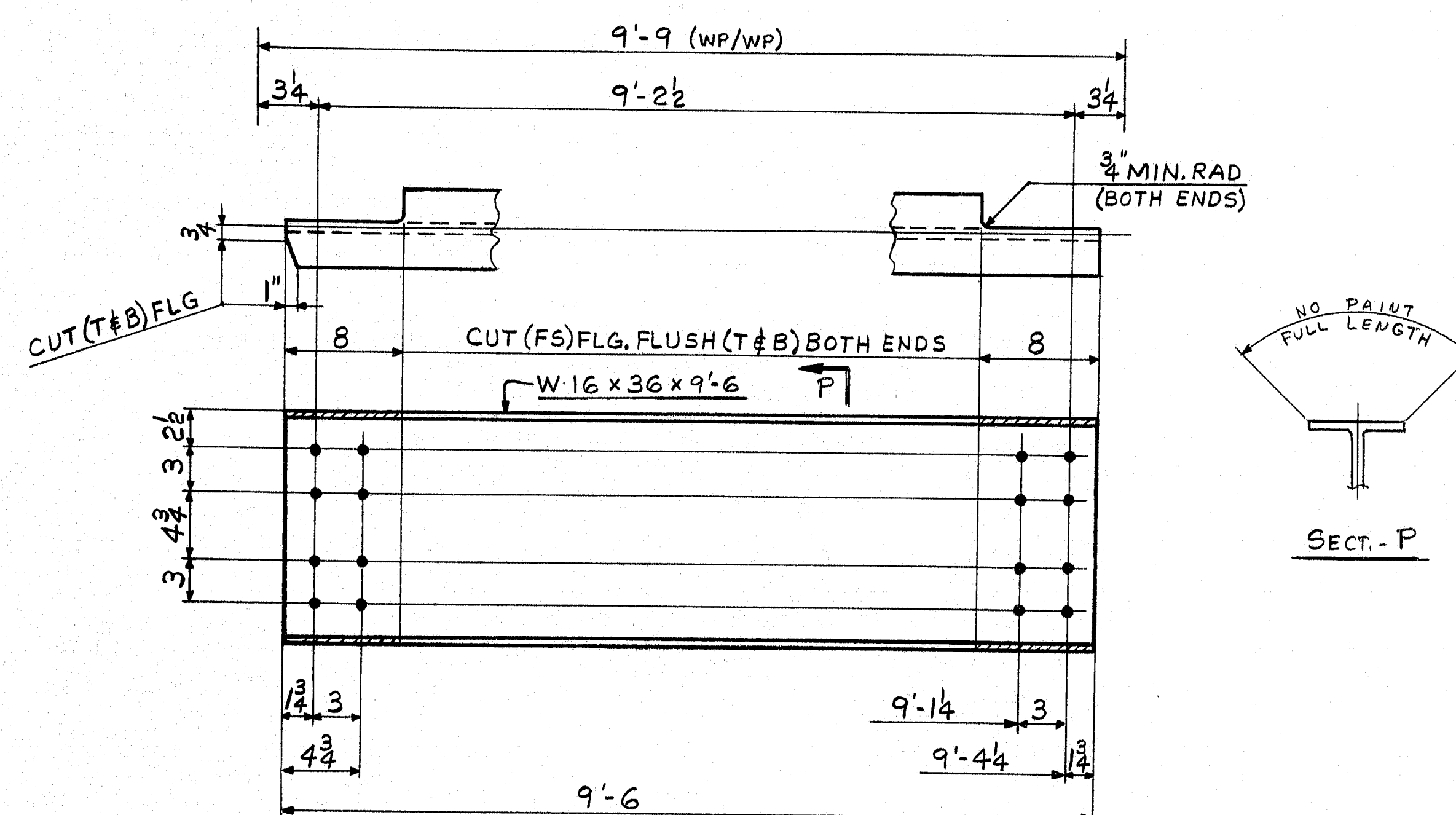
ALL CONNECTIONS DETAILED ON THIS DRAWING  
REPRESENT BANCROFT & MARTIN INC. STANDARDS  
IN APPROVING THIS DRAWING FOR FABRICATION,  
THE ARCHITECT AND/OR ENGINEER ASSUMES THE  
RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY  
OF ALL CONNECTIONS SHOWN

SHIP		BILL OF MATERIAL		JOB NO.		DRAWING NO.		REV.	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM	NO.	REMARKS	
K1	31		WT 4x9	9 10 3/8	2764	3/16		9-6 1/8" x 40'	
K2	4		WT 4x9	9 2 3/8	333	3/16			
K3	1		WT 4x9	9 8	87	3/16			
K4	31		WT 4x9	9 10 3/8	2764	3/16		ABOVE	
	31	p1	PL 2x6	1 8 3/8	544	3/16		3 @ 20'0"	
K5	4		WT 4x9	9 2 3/8	333	3/16		ABOVE	
	4	p2	PL 1x6	1 8 3/8	140	3/16		1 @ 20'0"	
K6	1		WT 4x9	9 8	87	3/16		ABOVE	
	1	p5	PL 2x6	1 8 1/8	17	3/16		ABOVE	
K7	15		WT 5x11	8 3	1361	3/16		1 @ 35'0", 4 @ 25'0"	
	30	p3	PL 2x7 1/2	0 11 1/4	359	3/16		6 @ 25'0", 3 @ 25'0"	
K8	2		WT 5x11	7 7	167	3/16		ABOVE	
	4	p4	PL 2x7 1/2	0 11 1/4	49	3/16		ABOVE	
K9	1		WT 5x11	8 0 1/2	88	3/16		ABOVE	
	2	p6	PL 2x7 1/2	0 11 1/4	24	3/16		ABOVE	
								9117	

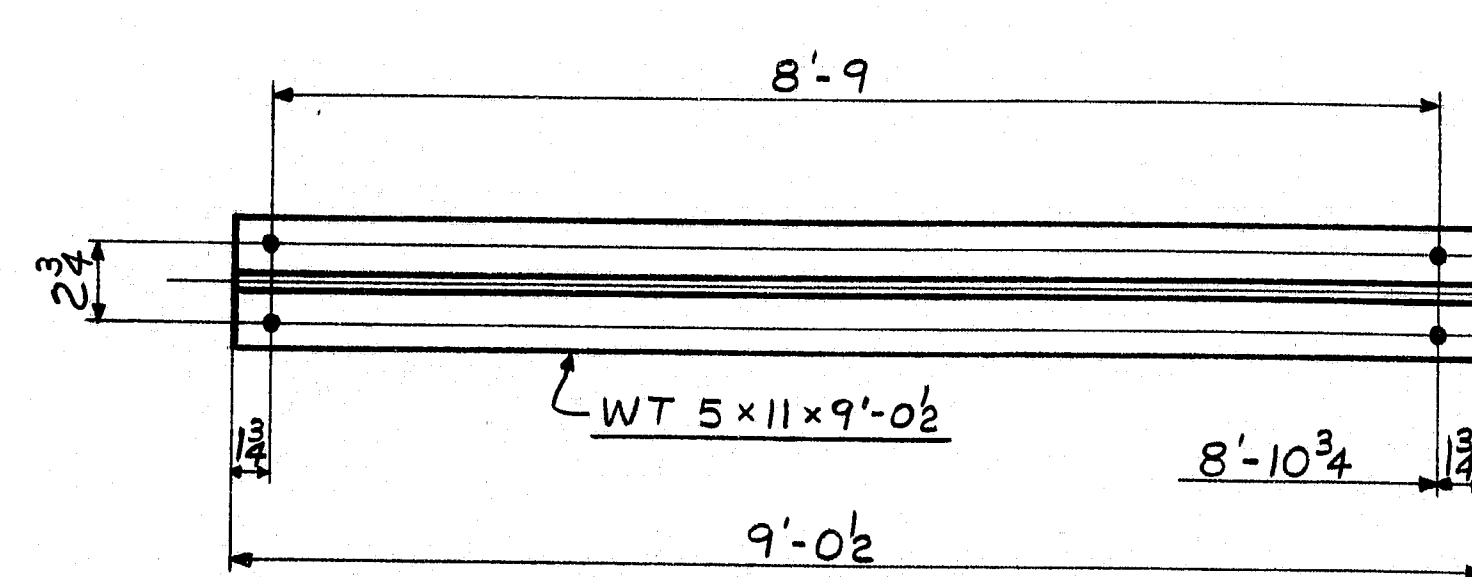
  

IT. NO. 504.70		BR. NO.		PROJ. NO. I-95-9(102)297	
FOR APPROVAL			FOR FILES & FIELD		
STEEL: ASTM. <input checked="" type="checkbox"/> A36 <input type="checkbox"/> A572 GR1 <input type="checkbox"/> A588 GR1 <input type="checkbox"/> Unless Noted					
WELDING ELECTRODE: <input type="checkbox"/> E70 <input checked="" type="checkbox"/> See Welding Proc. <input type="checkbox"/> None					
SHOP CONN: <input type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None					
FIELD CONN: <input checked="" type="checkbox"/> Bolted <input type="checkbox"/> Welded <input type="checkbox"/> None					
HOLES: <input type="checkbox"/> 13/16 <input checked="" type="checkbox"/> 15/16 <input type="checkbox"/> Unless Noted <input type="checkbox"/> None					
PAINT: <input type="checkbox"/> None <input checked="" type="checkbox"/> Shopcoat <input type="checkbox"/> Galv. After Fab. <input checked="" type="checkbox"/> As Noted					
SPECIAL PAINT: NONE					
SPECIAL CLEANING: <input checked="" type="checkbox"/> Blast Clean <input type="checkbox"/> None SSFC-SPG					
CROSSFRAMES					
APPROVED: 1-3-84			PRINT DIST.		
2 10-16-83 APP.			Bancroft & Martin Inc.		
8 1-3-84 FAB.			South Portland, Maine 04106		
25 1-3-84 F&F.			JOB: AIRPORT ROAD BRIDGE OVER I-95		
3 12-13-83 APP.			HOULTON, AROOSTOOK COUNTY, MAINE		
CUSTOMER: REED & REED					
DESIGNER: STATE OF MAINE, DEPT. OF TRANS					
REV. <input checked="" type="checkbox"/> 10-14-83		E/C <input checked="" type="checkbox"/> 10-11-83		ORDER NO.	
DRAWN 10-11-83		ELA		JOB NO. 3-19	
				DRAWING NO. 53-1	
				REV. <input checked="" type="checkbox"/>	

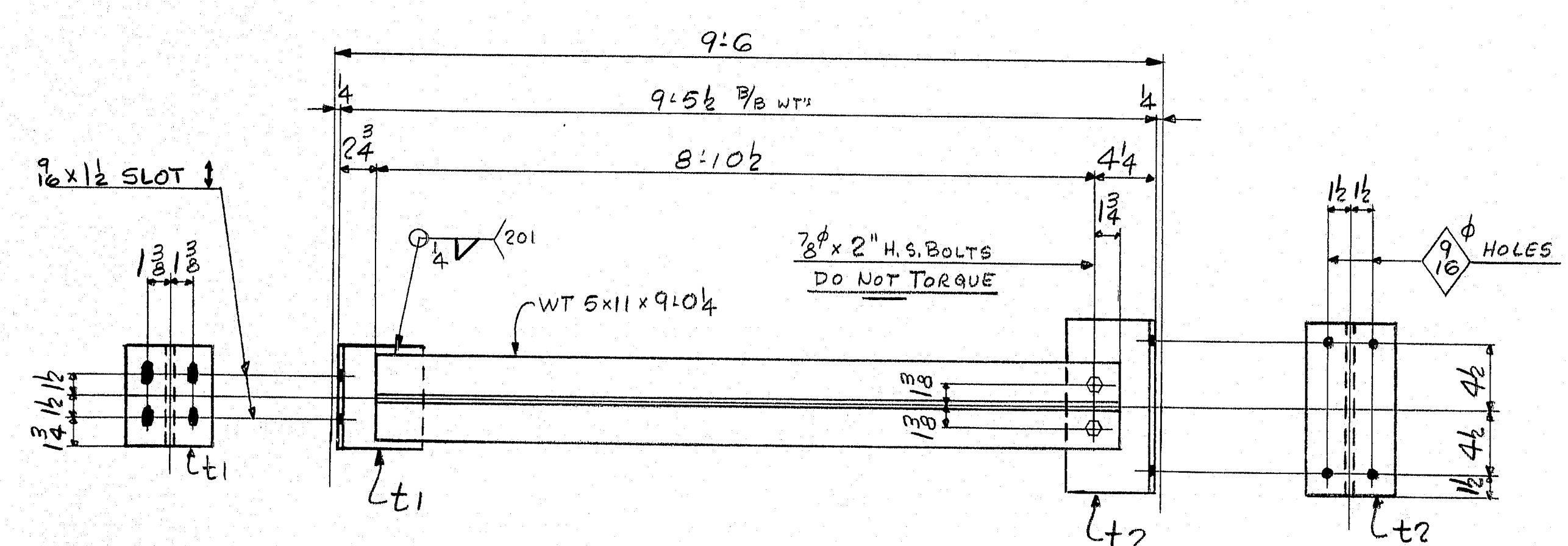




8~ DIAPHRAGMS - MK. D1



8~ DIAPHRAGMS - MK. D2



2~ DIAPHRAGMS - MK. D3

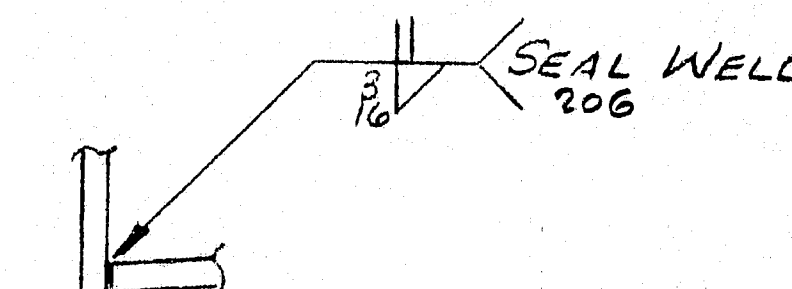
NOTE:  
NO PAINT WITHIN 2"  
OF OPEN HOLES

SHIP		BILL OF MATERIAL		JOB NO.		DRAWING NO.		REV.	
				3-19		56-1		1	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS		
DIAPHRAGMS									
D1	8		W16 x 36	9' 6"	2736	3/A	No. 3/4" x 2" @ 40"		
D2	8		WT 5 x 11	9' 0 1/2"	196	3/B	1-40" x 2" x 70"		
D3	2		WT 5 x 11	9' 0 1/4"	198	3/C	No. 3/4" x 2" @ 40"		
	2	t1	WT 5 x 11	0' 6 1/2"	12	3/D	qf 4-0		
	2	t2	WT 5 x 11	1' 0"	22	3/E	L		
	4		3/8" H.S. BOLT	0' 2"	28	3/F	w/ H.H. NUT A325 TYPE 1		
	4		3/8" HD FLAT WASHER	1' 8"	1	3/G	L		
						3767			
IT. NO. 504.70 BR. NO. PROJ. NO. I-95-9(102) 297									
FOR APPROVAL					FOR FILES & FIELD				
STEEL: ASTM. <input checked="" type="checkbox"/> A36 <input type="checkbox"/> A572 GR1 <input type="checkbox"/> A588 GR1 <input type="checkbox"/> Unless Noted									
WELDING ELECTRODE: <input type="checkbox"/> E70 <input checked="" type="checkbox"/> See Welding Proc. <input type="checkbox"/> None									
SHOP CONN: <input checked="" type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None									
FIELD CONN: <input checked="" type="checkbox"/> Bolted <input checked="" type="checkbox"/> Welded <input type="checkbox"/> None									
HOLES: <input type="checkbox"/> 13/16 <input checked="" type="checkbox"/> 15/16 <input type="checkbox"/> Unless Noted <input type="checkbox"/> None									
PAINT: <input type="checkbox"/> None <input checked="" type="checkbox"/> Shopcoat <input type="checkbox"/> Galv. After Fab. <input checked="" type="checkbox"/> As Noted									
SPECIAL PAINT: NONE									
SPECIAL CLEANING: <input checked="" type="checkbox"/> Blast Clean <input type="checkbox"/> None SSFC - SP6									
DIAPHRAGMS									
APPROVED: 1-3-84					PRINT DIST.				
2 10-26-83 APP.					Bancroft & Martin Inc.				
8 1-3-84 FAB.					South Portland, Maine 04106				
25 1-3-84 F&F.					JOB: AIRPORT ROAD BRIDGE OVER I-95				
3 12-13-83 APP.					HOULTON, AROOSTOOK COUNTY, MAINE				
					CUSTOMER: REED & REED				
					DESIGNER: STATE OF MAINE, DEPT OF TRANS.				
REV. A 10-14-83 GK					ORDER NO. 3-19				
CHECKED 10-14-83 GK					JOB NO. 56-1				
DRAWN 10-10-83 RLA					DRAWING NO. 56-1				
					REV. 1				

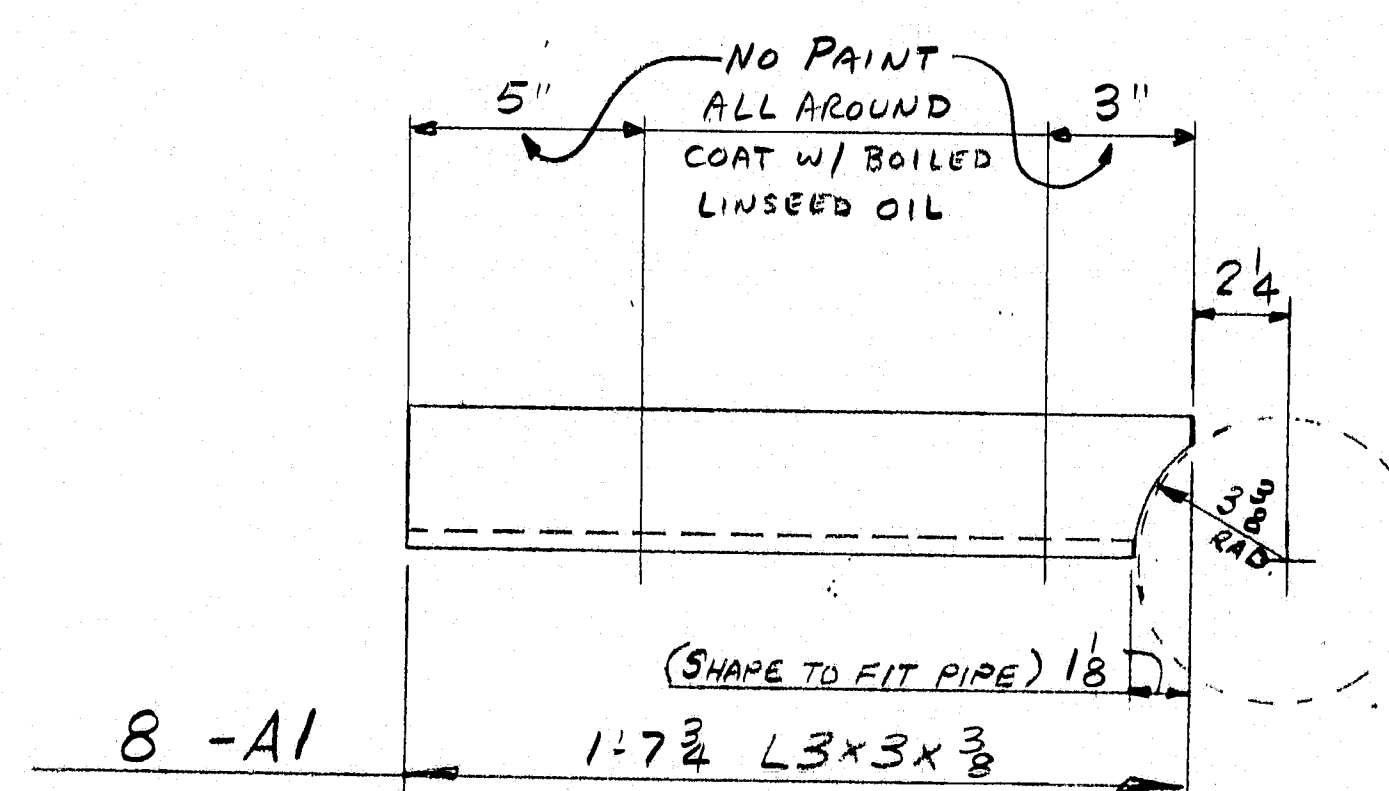
ALL CONNECTIONS DETAILED ON THIS DRAWING REPRESENT BANCROFT & MARTIN INC. STANDARDS. IN APPROVING THIS DRAWING FOR FABRICATION, THE ARCHITECT AND/OR ENGINEER ASSUMES THE RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF ALL CONNECTIONS SHOWN.

902-12 181-4





DETAIL - A



6" STEEL PIPE  
SET VERTICALLY

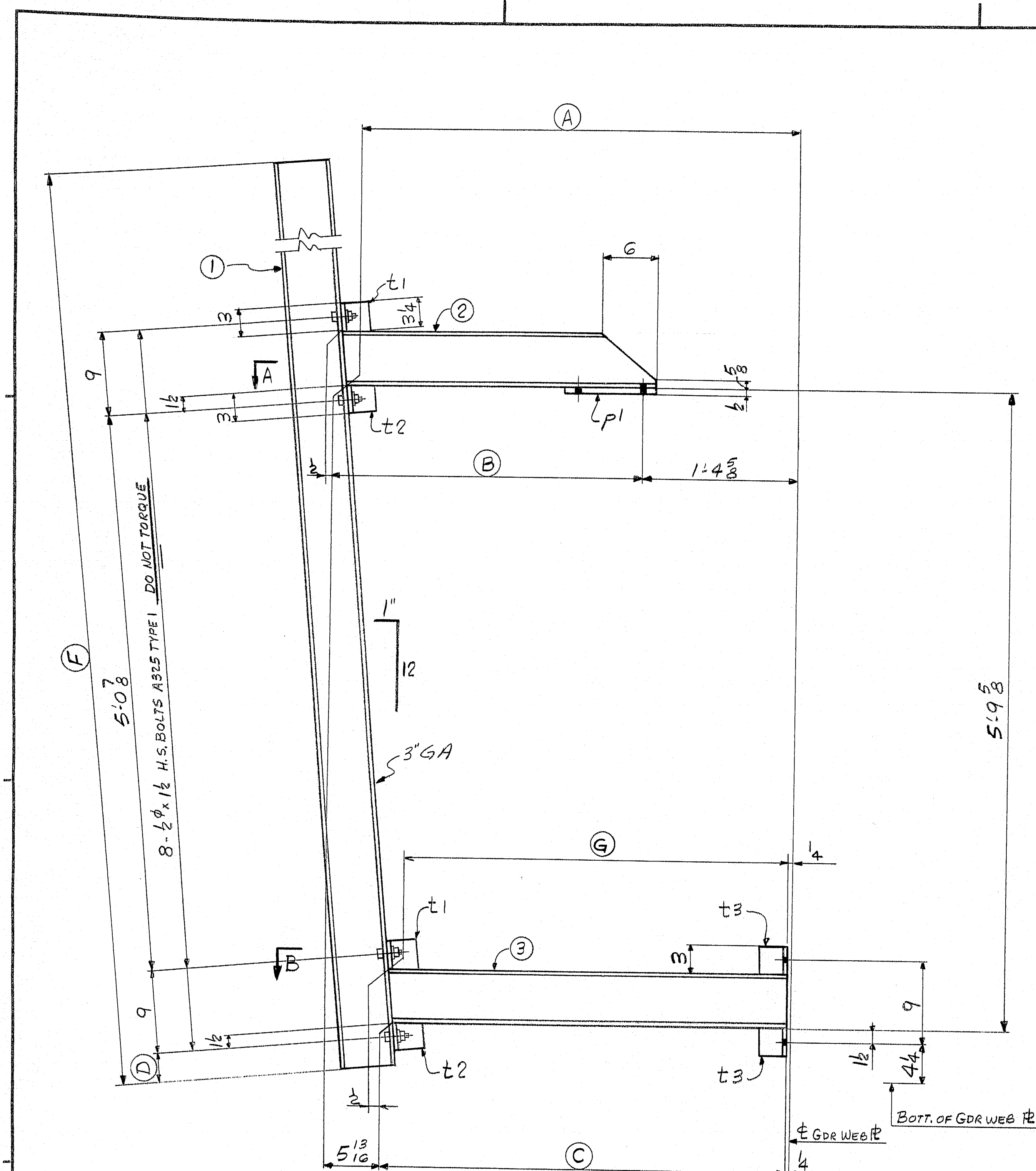
SECT. A-A

DRAIN - DRI  
(8-REQ'D)

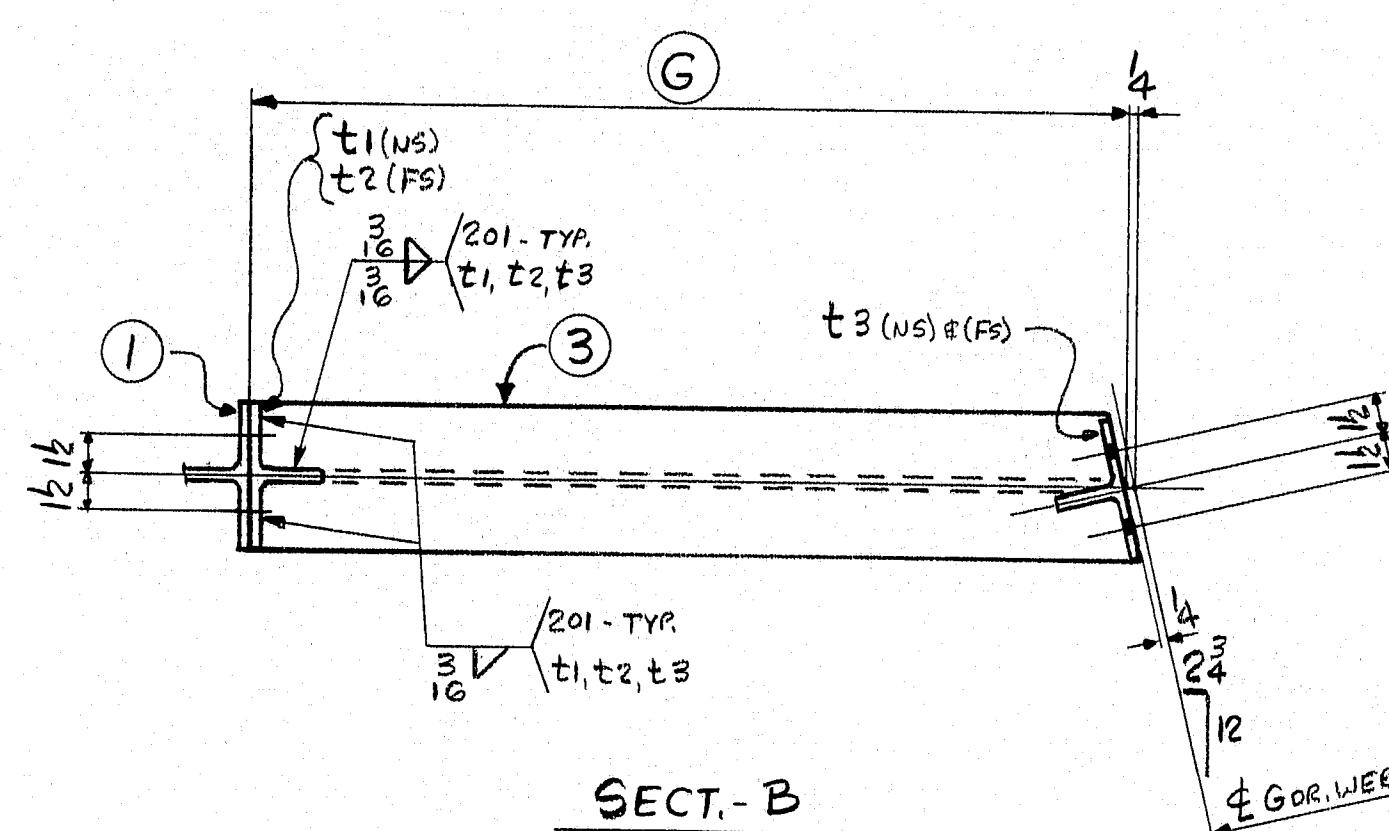
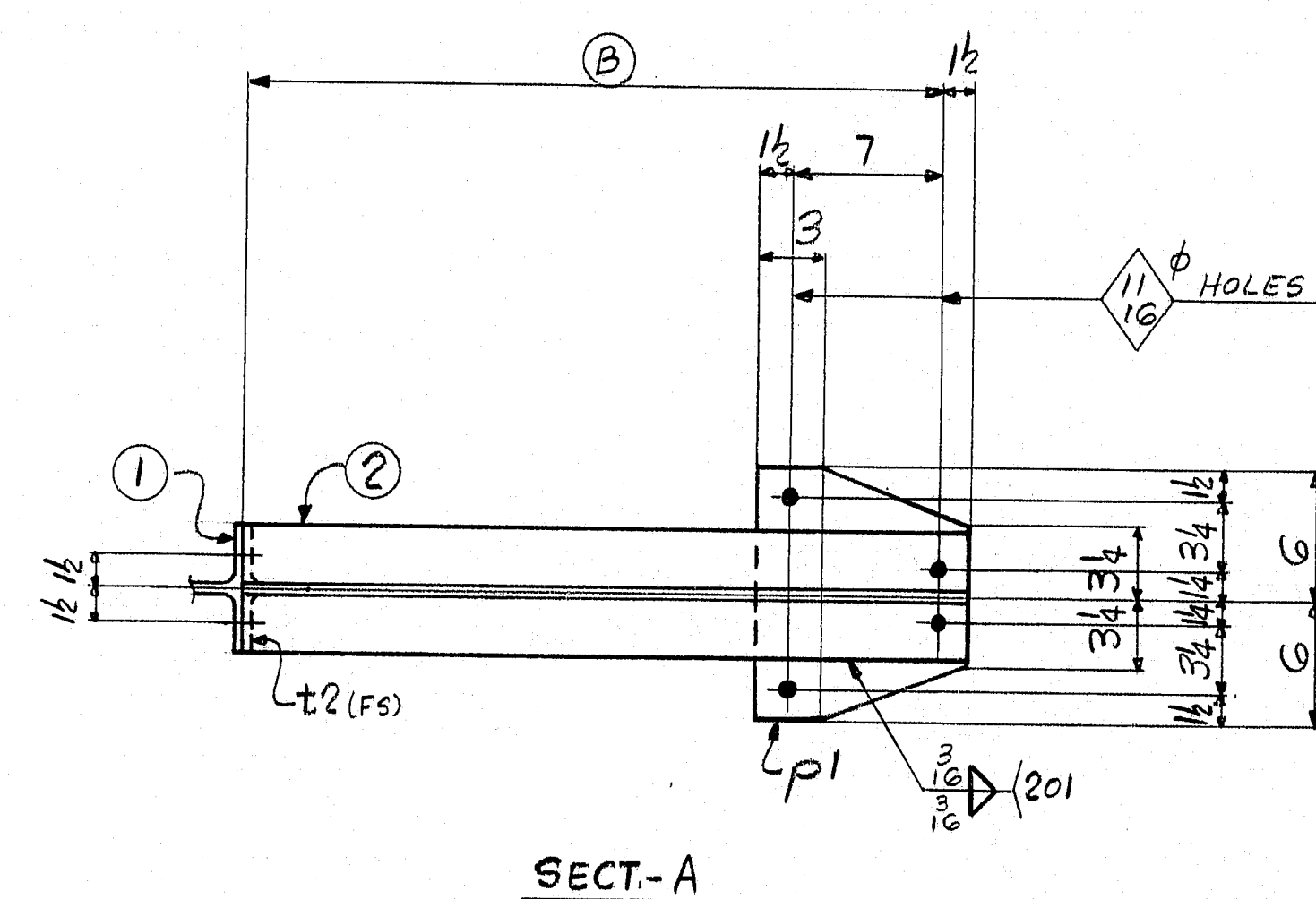
ALL CONNECTIONS DETAILED ON THIS DRAWING REPRESENT BANCROFT & MARTIN INC. STANDARD. IN APPROVING THIS DRAWING, FOR FABRICATION THE ARCHITECT AND/OR ENGINEER ASSUMES THE RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF ALL CONNECTIONS SHOWN.

181-5-3-19  
902-18





MARK	REQ'D	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
S2S	1	4'-1 1/2	2'-8 1/2	3'-7 1/2	3'-4	9'-6	3'-7 1/2	b1	b7	b12		
S2C	1	4'-10 13/16	3'-6 3/16	4'-4 3/4	3'-1 1/2	9'-6	4'-5 1/4	b2	b8	b13		
S2N	1	6'-0 1/2	4'-7 1/2	5'-6 1/2	2'-4	9'-6	5'-6 5/8	b3	b9	b14		
S3S	1	4'-1 1/2	2'-8 1/2	3'-7 1/2	3'-3	12'-0	3'-7 1/2	b4	b7	b12		
S3C	1	5'-2 1/2	3'-10 1/2	4'-8 3/8	3'-0	12'-0	4'-9 3/8	b5	b10	b15		
S3N	1	6'-4 13/16	5'-0 7/2	5'-10 3/4	2'-8 1/2	12'-0	5'-11 1/4	b6	b11	b16		

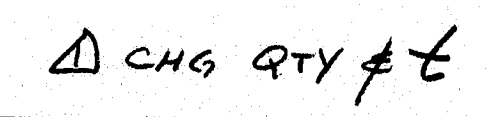


SHIP		BILL OF MATERIAL		JOB NO.		DRAWING NO.		REV.	
				3-19		G1-1			
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS		
S2S	1		SIGN SUPPORT						
S2C	1								
S2N	1								
S3S	1								
S3C	1								
S3N	1		SIGN SUPPORT						
	1	b1	W 6 x 15	9	6	143	8/8	S2S	
	1	b2		9	6	143	8/8	S2C	
	1	b3		9	6	143	8/8	S2N	
	1	b4		12	0	180	8/8	S3S	10 3/4
	1	b5		12	0	180	8/8	S3C	10 3/4
	1	b6		12	0	180	8/8	S3N	10 3/4
	2	b7		2	10 1/2	86	8/8	S2S, S3S	10 3/4
	1	b8		3	5 3/8	55	8/8	S2C	
	1	b9		4	9 1/2	72	8/8	S2N	
	1	b10		4	0 1/2	60	8/8	S3C	
	1	b11		5	2 1/2	78	8/8	S3N	
	2	b12		3	8 1/4	111	8/8	S2S, S3S	
	1	b13		4	5 1/2	67	8/8	S2C	
	1	b14		5	7 1/2	84	8/8	S2N	
	1	b15		4	10 1/2	73	8/8	S3C	
	1	b16	W 6 x 15	5	11 1/2	90	8/8	S3N	
	6	p1	2\"/>						



FIELD BOLTS		3-19	62-1	1		
SPECIFICATION: 7/8" H.S. BOLT - A325 TYPE 1 (U.N.)						
CONNECTING	2 1/2"	2 1/2"	2 3/4"	3"	3 1/2"	4"
WEB FIELD SPLICE				320		
PIER CF CTR. CONN.				8		
TOP & BOT. FLG. FIELD SPL.					520	
END DIAPH. WIG	128					
INT. CF. WT 4	324					
END DIAPH. WT		32				
INT. CF. CTR. CONN.		64				
INT. CF. K 1/4" CONN. P			128			
PIER CF. WT 4			48			
PIER CF. K 1/4" CONN. P				16		
SIGN SUPPT TO G-2A (2#)						
8 @ 2" x 1 1/4" A325						
w/ WASHER						
FORM BRKT. HOLES (5#)						
145 - 3/8" x 1 1/2" CARRIAGE BOLTS						
A307 W/ NUT (NO WASHER REQ'D.)						
24 - 3/8" x 5/8" WEDGE TYPE BOLT (3#)						
(SIGN SUPPORT TO TOP OF CURB)						
1/2" A325 TYPE 1 SIGN SUPPORT BOLTS						
8 @ 2" TO WEB & STEEL (2#)						
16 @ 1 1/4" TO WEB						
N.H. & H.H. NUT 1/4" I.D.						
FLAT WASHER E.A.						
LENGTHS						
SUB TOTAL	512	96	176	328	16	520
+ 2%	8	4	4	7	4	10
TOTAL =	520	100	180	335	20	530
WASHERS	PLAIN 1/4"		CLIPPED		BEVELED	
TOTAL WEIGHT	1695 (1685)					
<div> <div> <div>PROJ. NO. I-95-9(102)297</div> <div>FIELD BOLTS</div> </div> <div> <div>APPROVED</div> <div>2 10-26-83 APP.</div> <div>3 2-2-84 APP.</div> <div>25 1-20-83 APP.</div> <div>3 12-13-83 APP.</div> <div>25 1-20-89 APP.</div> </div> <div> <div>DESIGNED BY</div> <div>25 10-26-83 ELC</div> <div>3 12-13-83 ELC</div> <div>25 1-20-89 ELC</div> </div> </div> <div> <div>RECEIVED &amp; MARKED INC.</div> <div>South Portland, Maine 04086</div> <div>JOB: AIRPORT ROAD BRIDGE OVER I-95</div> <div>HOULTON, ARROOSTOOK COUNTY, MAINE</div> <div>CUSTOMER: REED &amp; REED</div> <div>DESIGNER: STATE OF MAINE - DEPT. OF TRANSP.</div> <div>ORDER NO. 3-19</div> <div>DRAWING NO. 62-1</div> <div>REV. 1</div> <div>9-2-24</div> <div>18-7</div> <div>DEC 2 1 1983</div> </div>						





51-3	1
181-8	