

# GENERAL NOTES

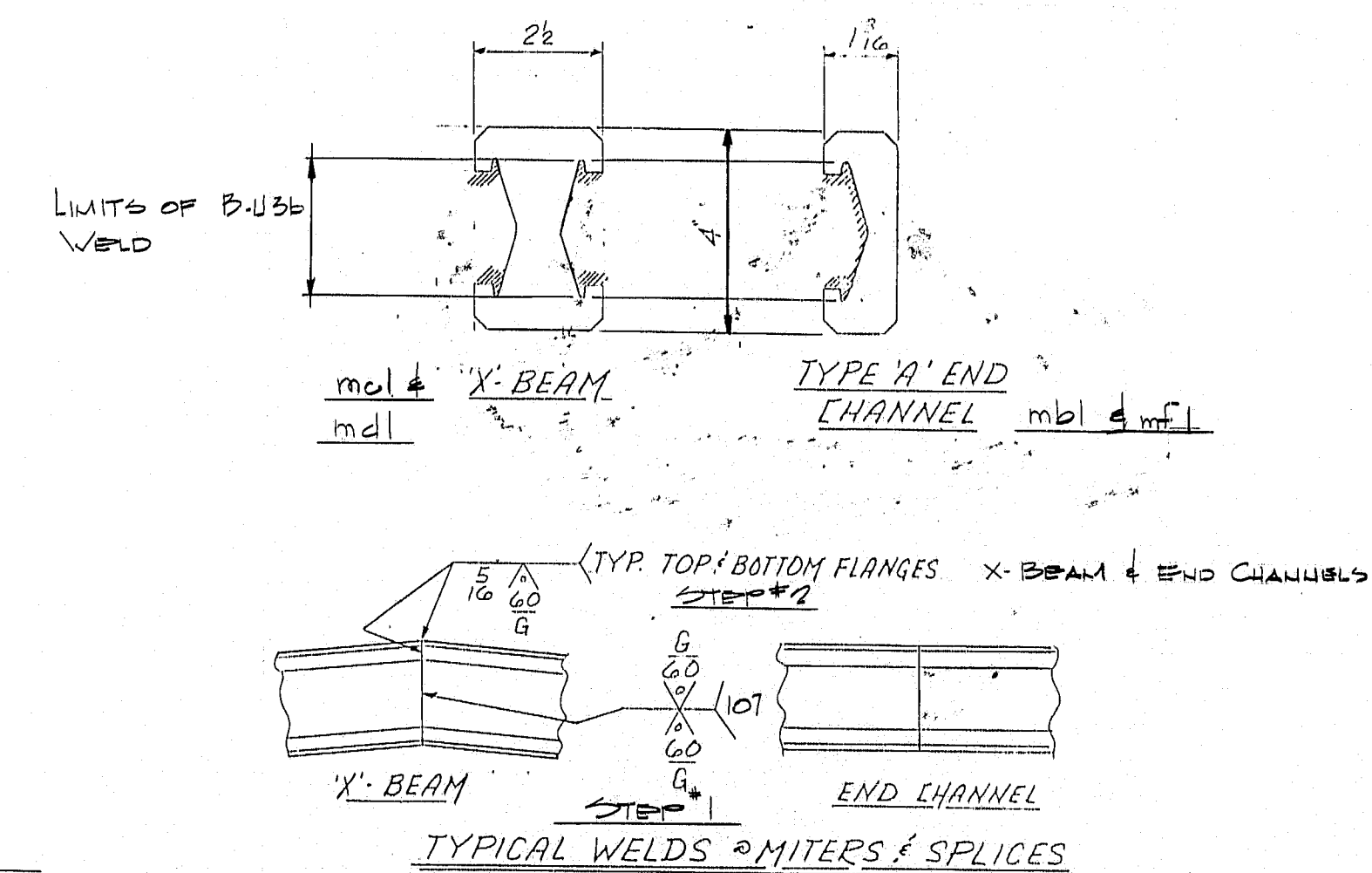
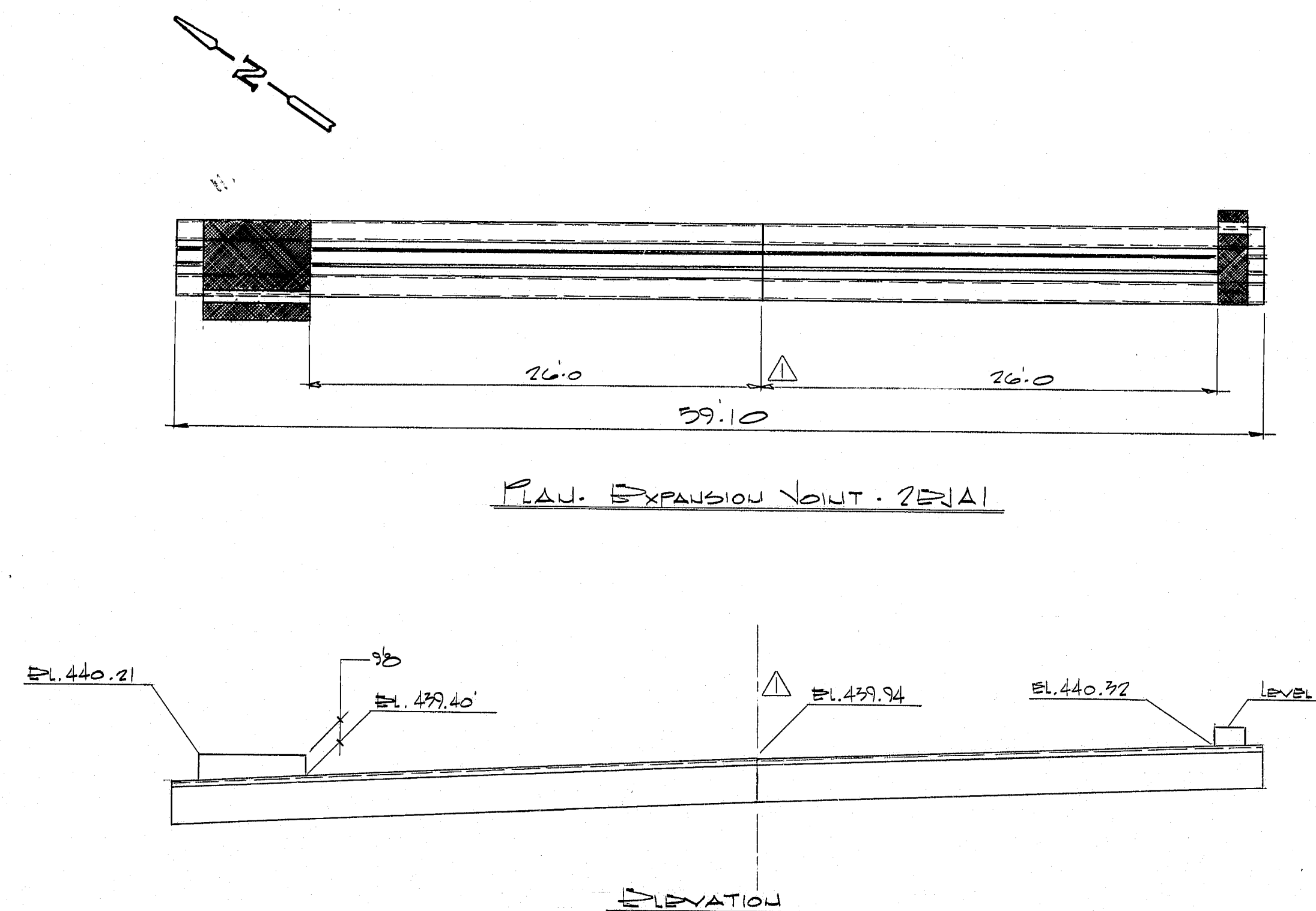
1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH STATE OF MAINE, STATE HIGHWAY COMMISSION, HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CURRENT EDITION WITH REVISIONS AND THE SPECIAL NOTES APPLICABLE TO THIS PROJECT.
2. ALL STRUCTURAL STEEL TO BE ASTM A-588 EXCEPT AS NOTED.
3. ALL WELDING SHALL CONFORM TO SUPPLEMENTAL SPECIFICATION SECTION 304, WELDING.
4. ALL METAL SURFACES OF THE JOINT TO BE IN DIRECT CONTACT WITH THE NEOPRENE SEAL SHALL BE THOROUGHLY SANDBLASTED AND SOLVENT CLEANED BEFORE THE APPLICATION OF ADHESIVE.
5. THE SEAL SHALL BE INSTALLED USING ACME PRIMA-LUB ADHESIVE.
6. ALL METAL SURFACES NOT TO BE EMBEDDED IN CONCRETE OR IN DIRECT CONTACT WITH THE SEALER SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH STATE SPECIFICATIONS. SEE PAINT DETAIL.
7. THE JOINT SHALL BE PRESET IN THE SHOP TO 7/8" P. WIDTH.
8. PRIOR TO THE START OF FABRICATION, THE CONTRACTOR SHALL VERIFY ALL EXPANSION JOINT DIMENSIONS TO INSURE PROPER FIT TO ADJOINING MEMBERS.
9. ALL THERMAL MOVEMENT CHARTS ARE BASED ON A TEMPERATURE RANGE OF -30° F. TO 120° F.
10. ALL PRESETTING ANGLES AND LIFTING BOLTS SHALL BE PAINTED RED.
11. ALL ELEVATIONS AND DIMENSIONS ARE TO BE VERIFIED BY THE FIELD ENGINEER.

## GENERAL INSTALLATION INSTRUCTIONS

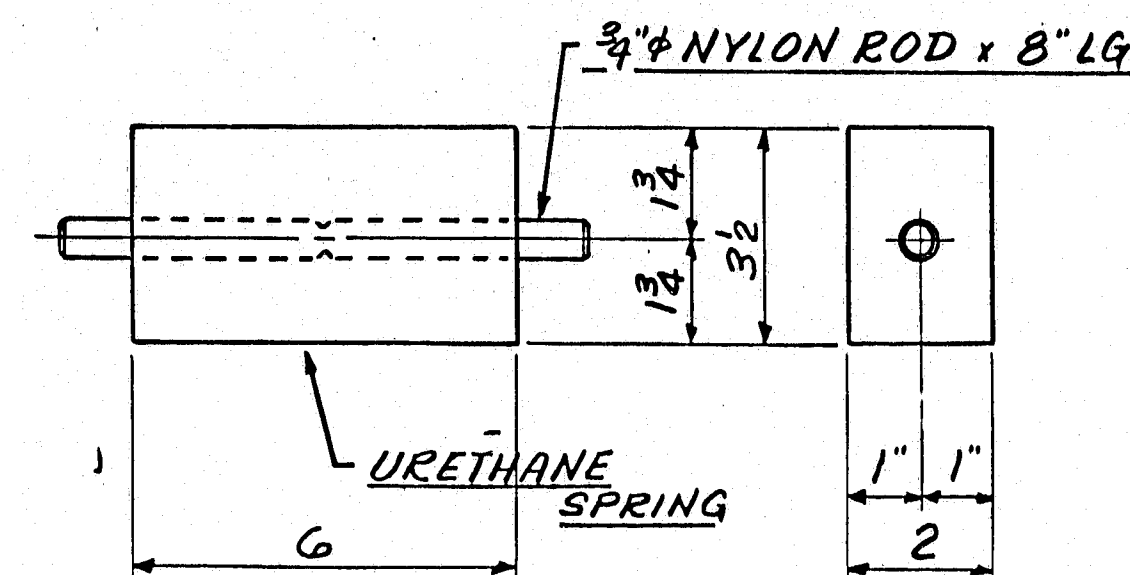
1. THE CONTRACTOR SHALL ENSURE THAT ALL LIFTING OF THE EXPANSION JOINT ASSEMBLY IS ONLY PERFORMED BY USING THE LIFTING BOLTS PROVIDED.
2. PRIOR TO FINAL PLACEMENT, THE ASSEMBLY SHALL BE ADJUSTED ON THE SITE TO ITS FINAL PRESET WIDTH.
3. THE JOINT ASSEMBLY SHALL THEN BE PLACED INTO FINAL POSITION AND SET TO THE PROPER ELEVATIONS.
4. IMMEDIATELY AFTER THE JOINT HAS BEEN ATTACHED TO THE STEEL BEAMS AND THE DAM WALL, REMOVAL OF ALL PRESETTING ANGLES, BOLTS, LEVELING & LIFTING DEVICES SHALL BE REMOVED.
5. PRIOR TO CONCRETE PLACEMENT, THE PRESETTING BOLT HOLES IN THE WEB OF THE END DAM SHALL BE PLUGGED WITH PLASTIC CAPS. HOLES IN THE TOP FLANGE SHALL BE USED AS WEEP HOLES.
6. CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH STATE SPECIFICATIONS.
7. TOP OF EXPANSION JOINTS ARE TO BE PROTECTED DURING PLACEMENT OF CONCRETE.

## GENERAL NOTES CONT:

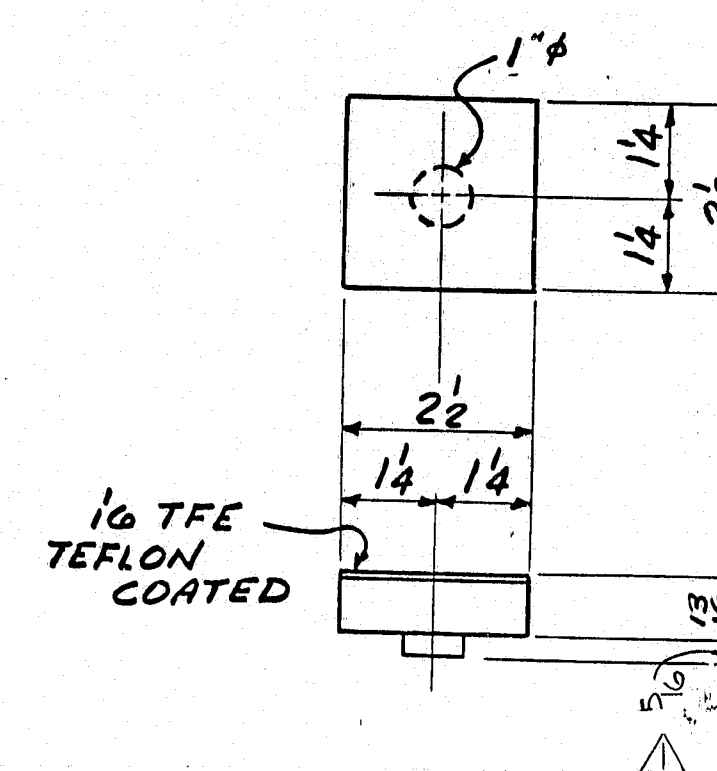
12. SHOP FABRICATION SHALL BE DONE UNDER DIRECT SUPERVISION OF JERSEY TESTING LAB, INC. OF MILLS, OF 8 SUMMIT ST., ELST HAVEN, N.J. 07036. (TEL. 201-887-5673). THE INSPECTOR SHALL BE NOTIFIED IN ADEQUATE TIME WHEN FABRICATION IS TO BEGIN SO THAT HE MAY BE PRESENT AS FABRICATION PROGRESSES. ANY MATERIAL FABRICATION WITHOUT INSPECTION MAY BE REJECTED.



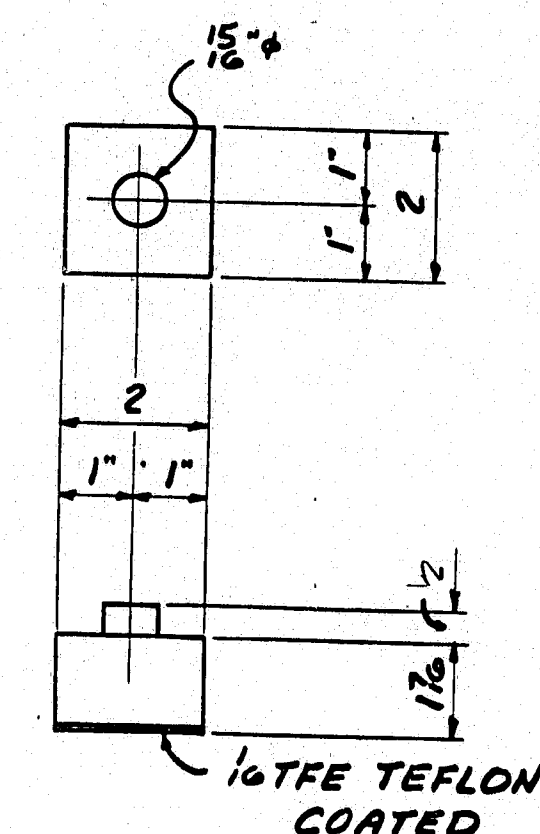
NOTE: - WALLS OF CAVITY TO BE GRIND SMOOTH AFTER WELDING TO INSURE SNUG FIT OF SEAL EXTRUSION. FULL PENETRATION WELD IS REQD. FOR END CHANNEL & X-BEAM.



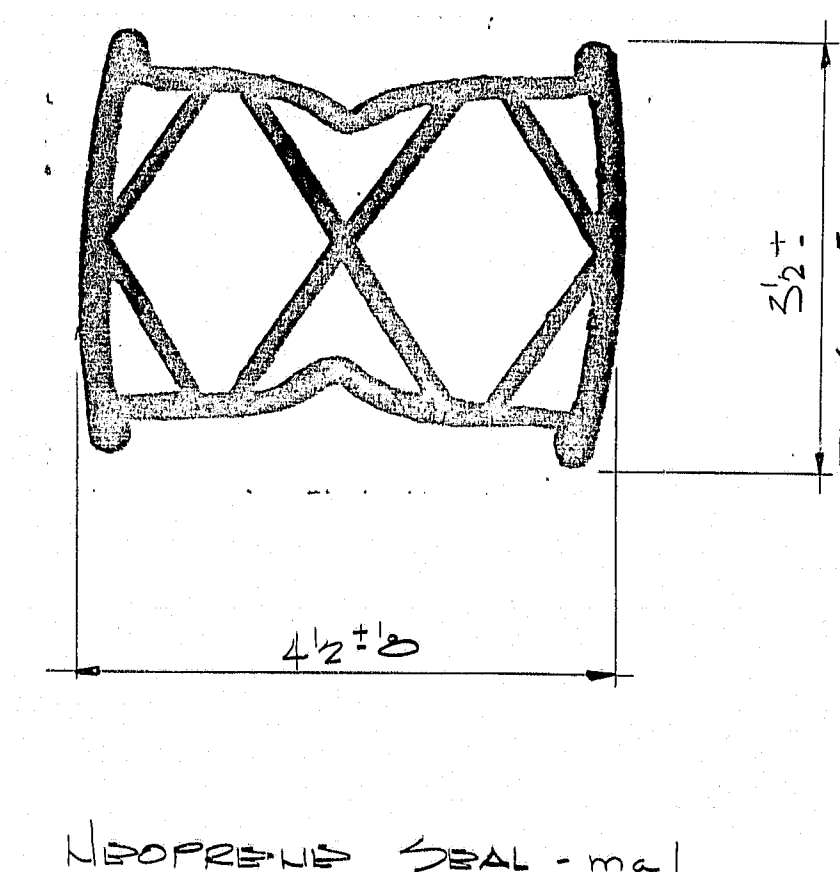
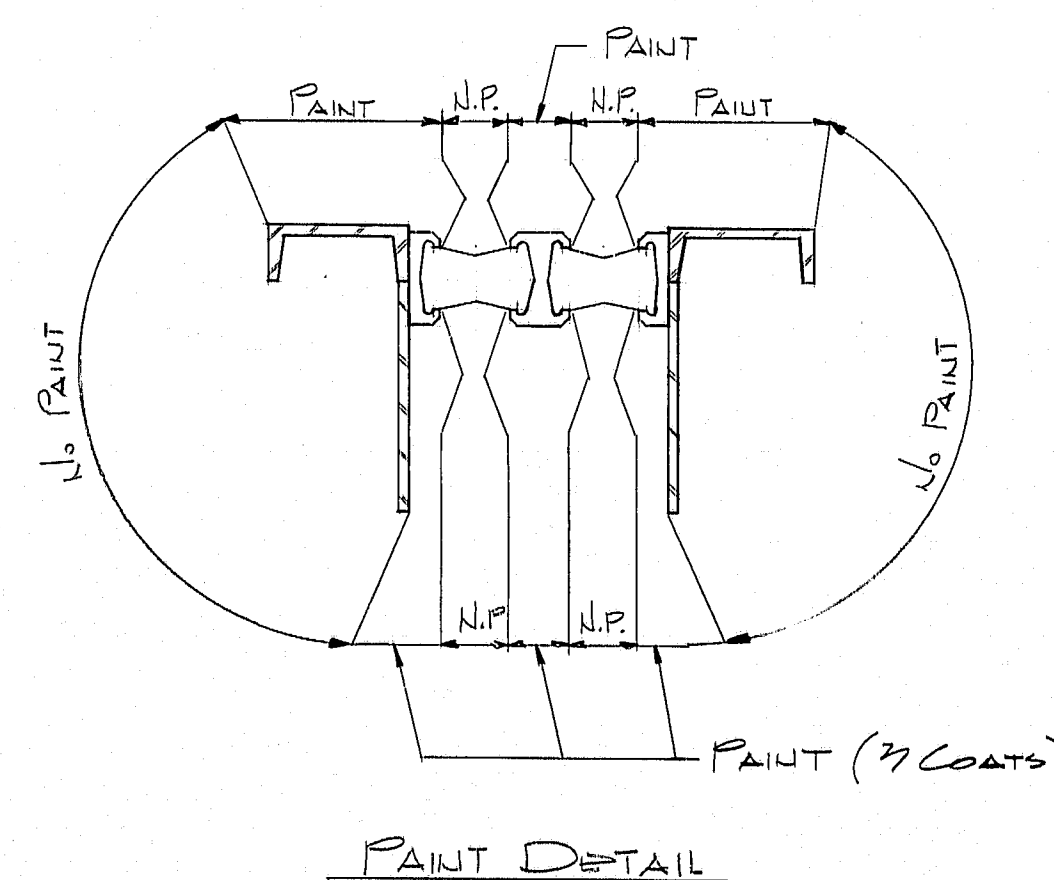
70 SPRINGS - 1 M1  
(ACME PART NO. BR-500)



20 LOWER BEARINGS - 1 M1  
(ACME PART NO. BL-971)



20 UPPER BEARINGS - 1 M1  
(ACME PART NO. BU-230)

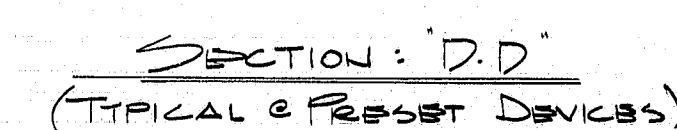
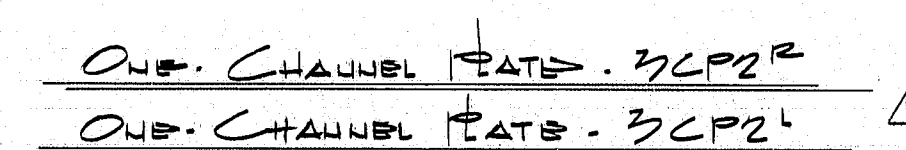
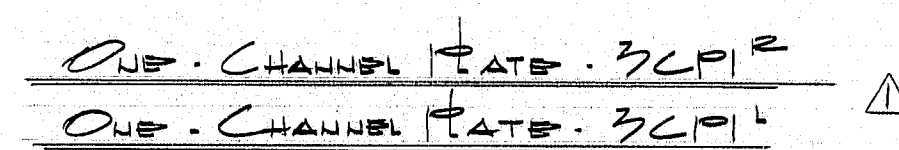



<b>ACME HIGHWAY PRODUCTS CORPORATION</b> 168 CREEKSIDE DRIVE, AMHERST, N.Y. 14150 (716) 691-3001			
FOR: STATE OF MAINE PROJECT: DOT. AROOSTOOK COUNTY PROJECT NO. 152 PROJECT # UFGA. 050.1 (25)			
REVISIONS	TITLE: GENERAL NOTES & DETAILS		
Δ 4-28-81 J.Z.	DETAILED	J.Z.	CHECKED RK
Δ 5-26-81 J.S.	CONTRACT NO.	21001	APPROVED
Δ	DATE	7-7-81	SHEET NO. 1 OF 7

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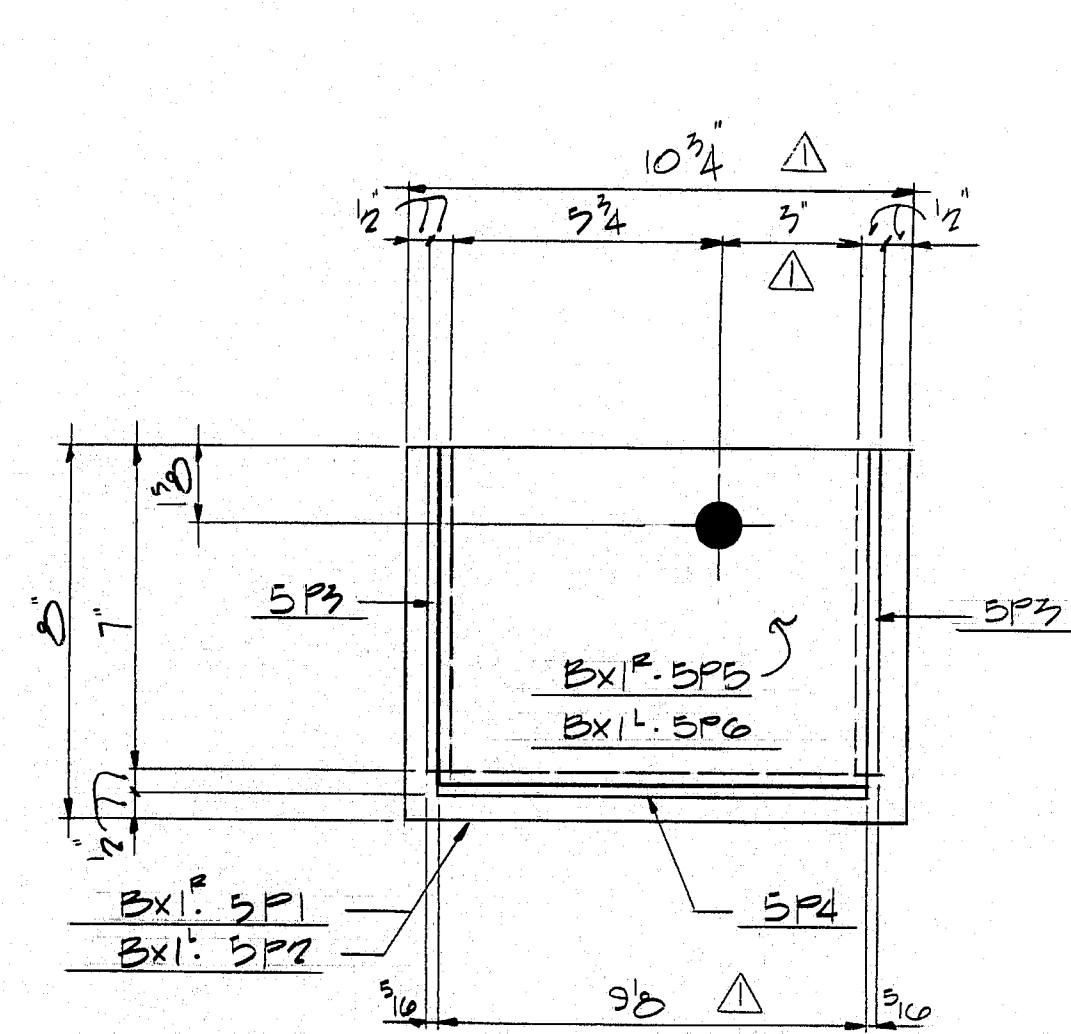


 <b>ACME HIGHWAY PRODUCTS CORPORATION</b> 166 CREEKSIDE DRIVE, ANNHURST, N.Y. 14150 (716) 691-3030		
FOR: <b>STATE OF MAINE</b>		
PROJECT: <b>D.O.T. AROOSTOOK COUNTY</b> <b>PERQUISITE 1924</b> <b>PROJECT * UFGA. 090.1 (23)</b>		
<b>REVISIONS</b>	<b>TITLE</b>	<b>DATE</b>
△ 4-27-81 JZ.	DETAILED	4-7.
△ 5-26-81 J.S.	CONTRACT NO. 5100	APPROVED
△ 6-11-81 J.S.	DATE	7.2.81
		SHEET NO. 3 OF 7

177-85

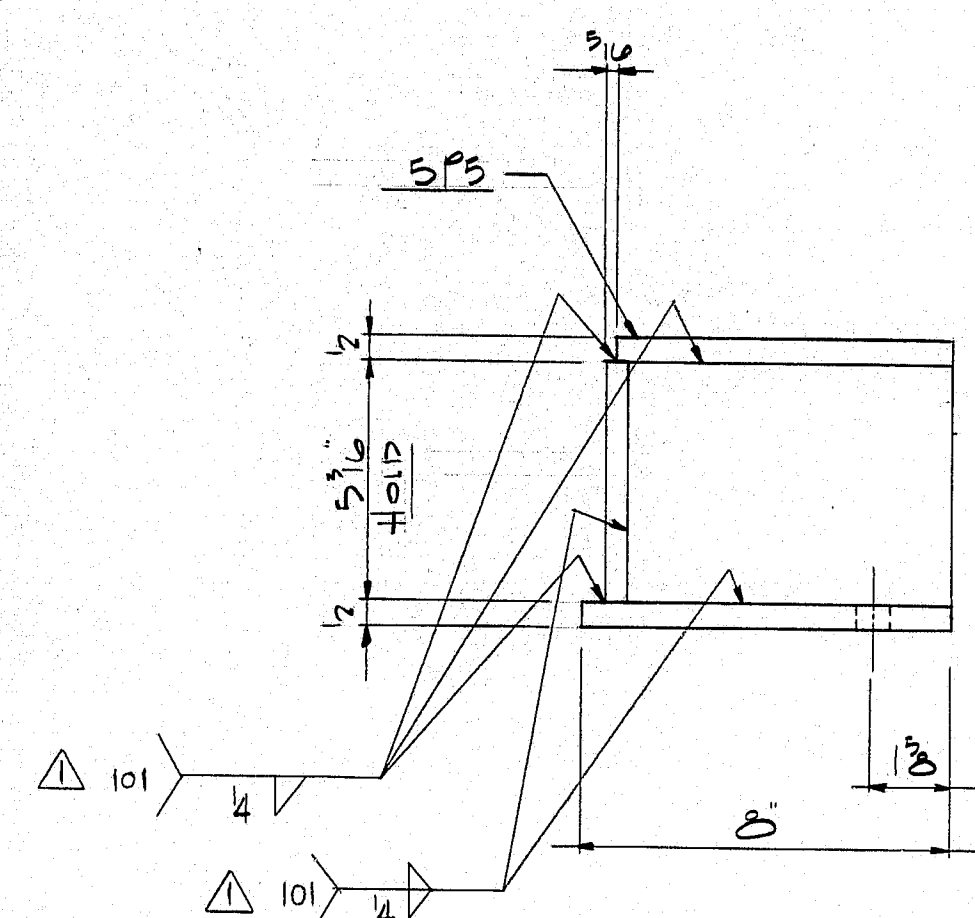






PLAN

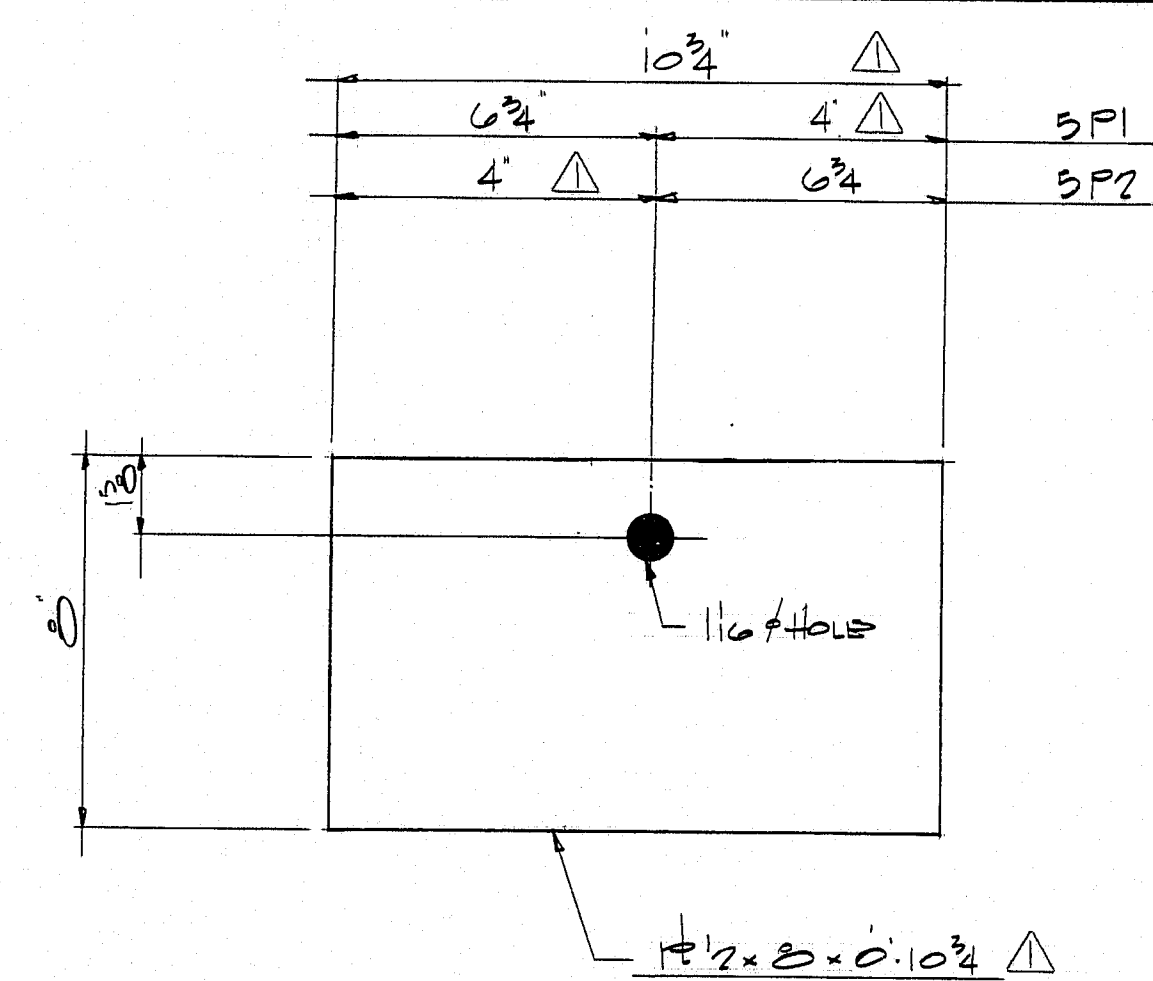
14. SUPPORT BOXES. 5BX12  
14. SUPPORT BOXES. 5BX14



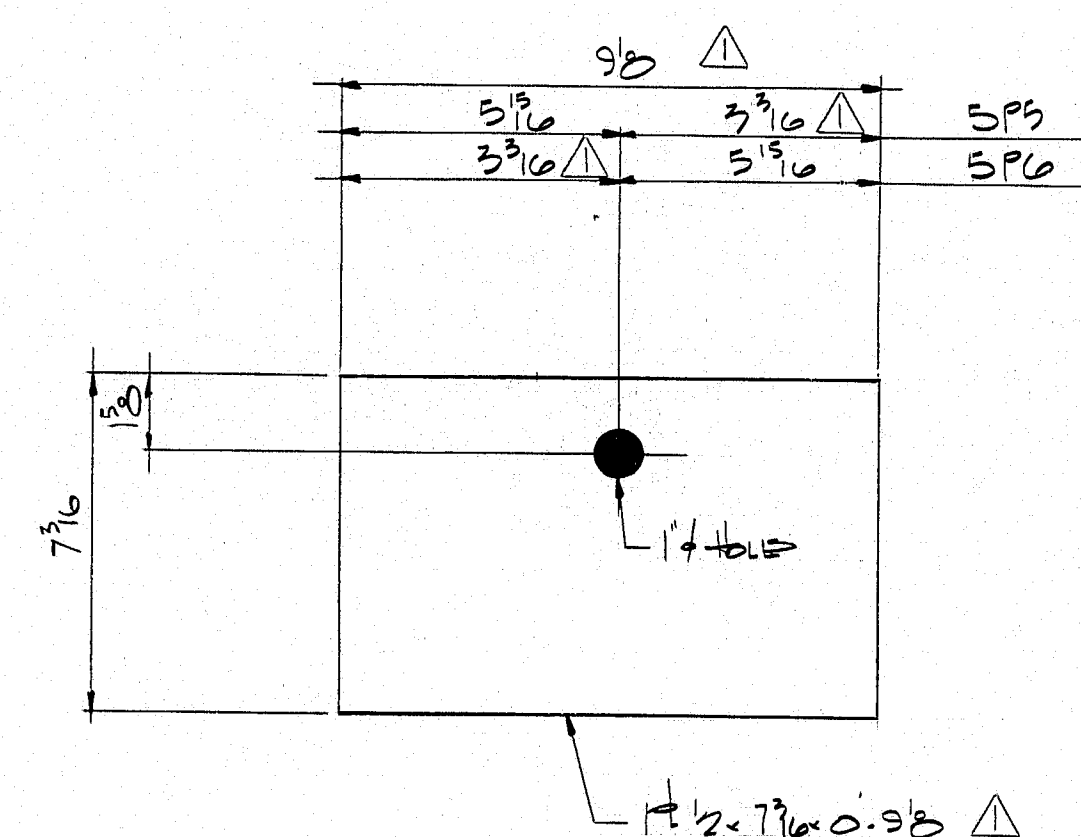
VIEW 'A-A'

PLAN MATERIAL

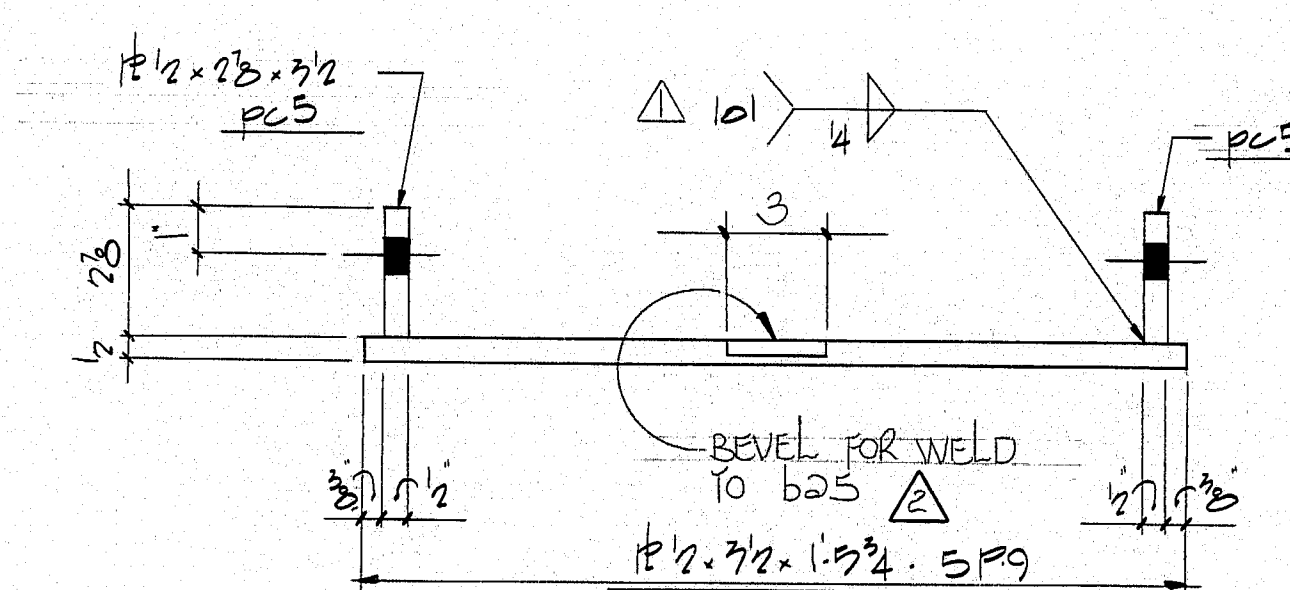
56. 1/2 x 5 1/2 x 0.7. 5P3  
28. 1/2 x 5 1/2 x 0.95. 5P4



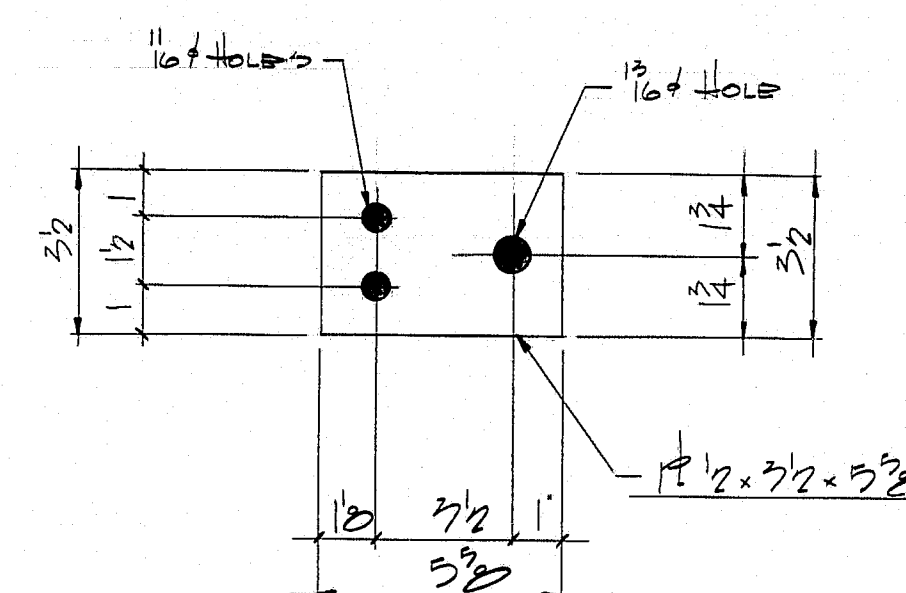
14. PLATES. 5P1  
14. PLATES. 5P2



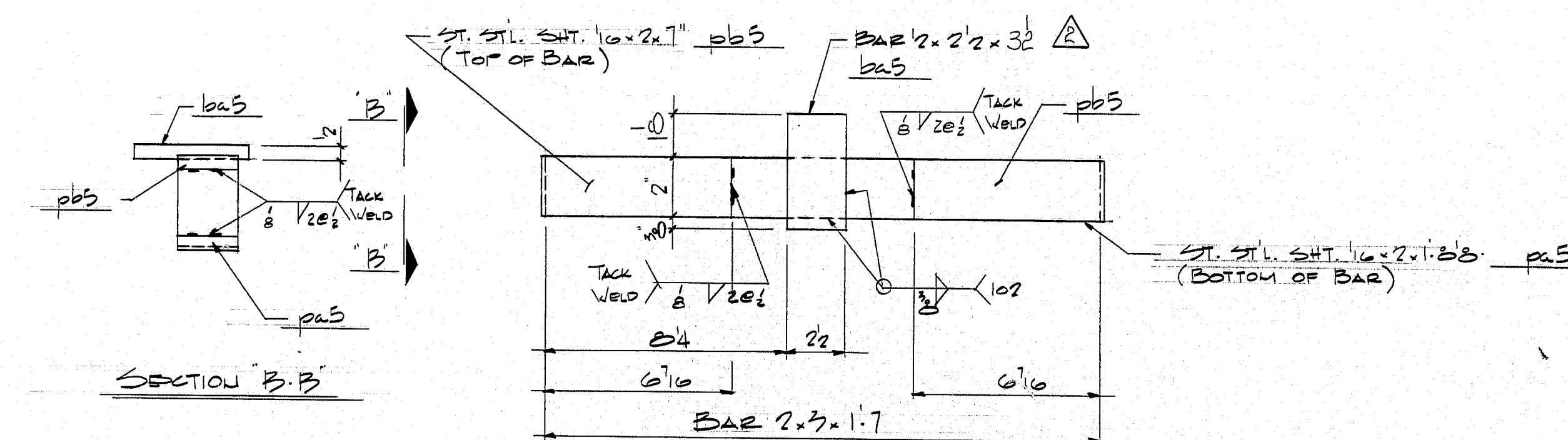
14. PLATES. 5P3  
14. PLATES. 5P6



14. PLATES. 5P9

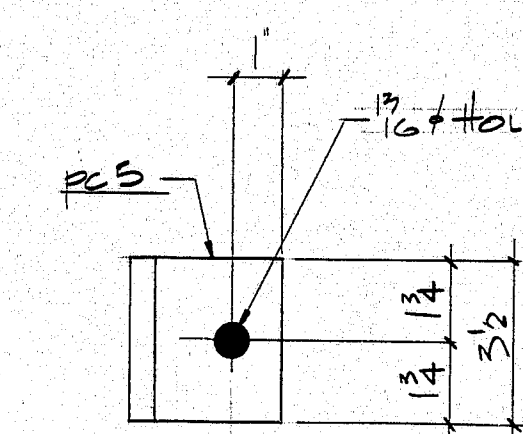


28. PLATES. 5P8



14. SUPPORT BARS. 5SB1  
(CUT FROM 3" THICK PLATE)

BOND ST. STL. SHTS. TO 2x3 BAR  
WITH VERBLOK 201 AND TACK  
WELD TO 2x3 BAR.

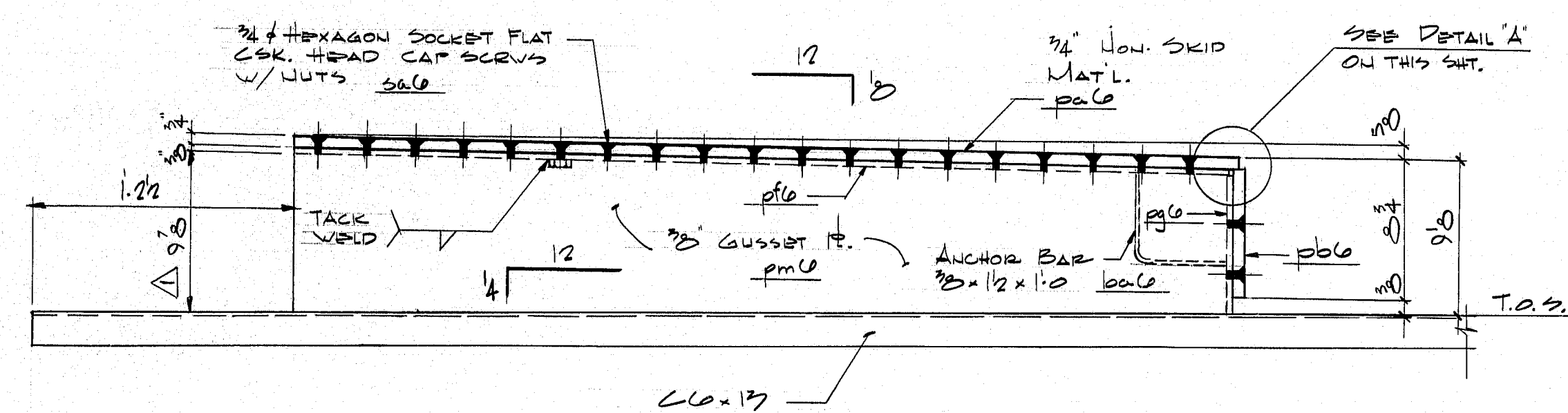
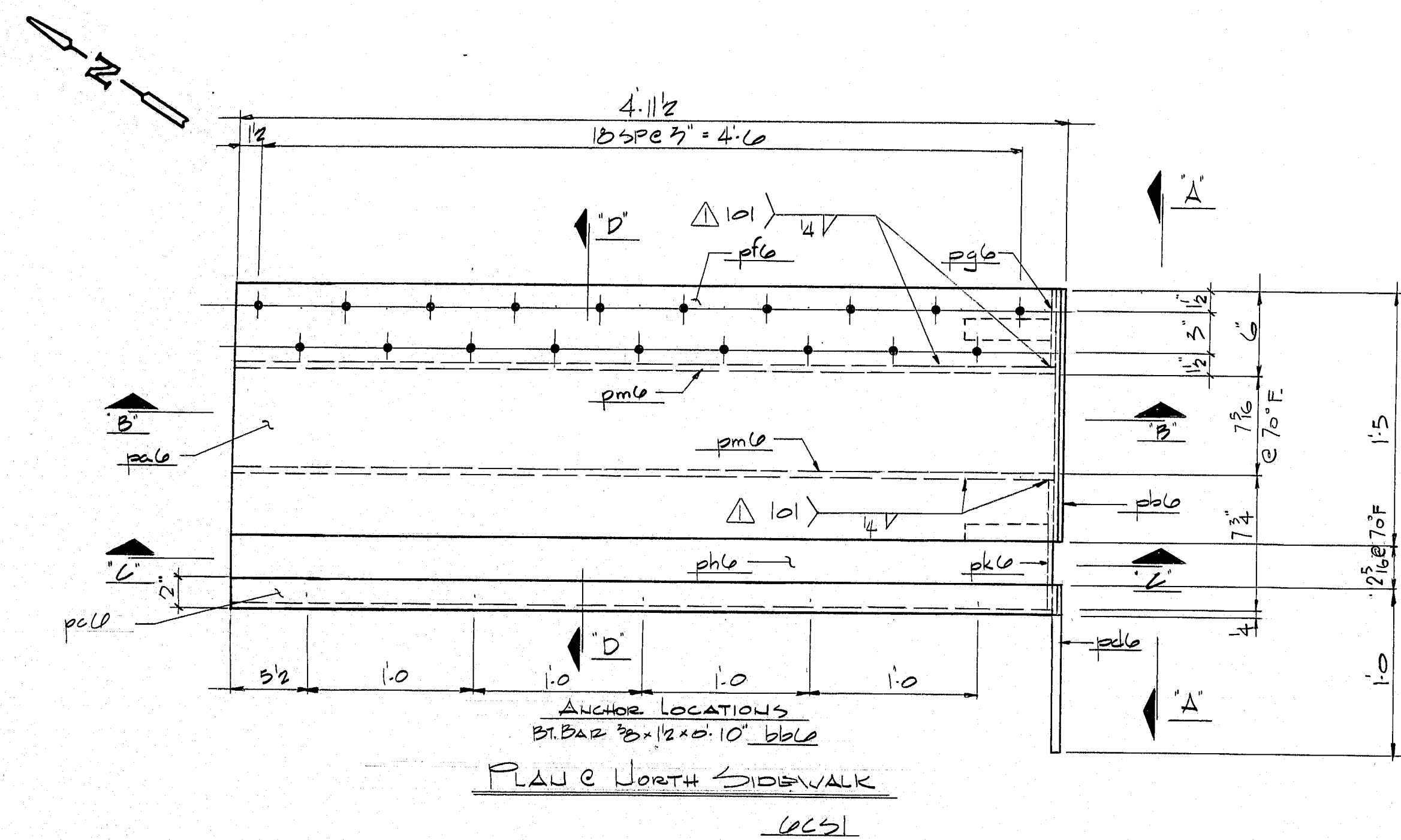


SECTION: 'C-C'

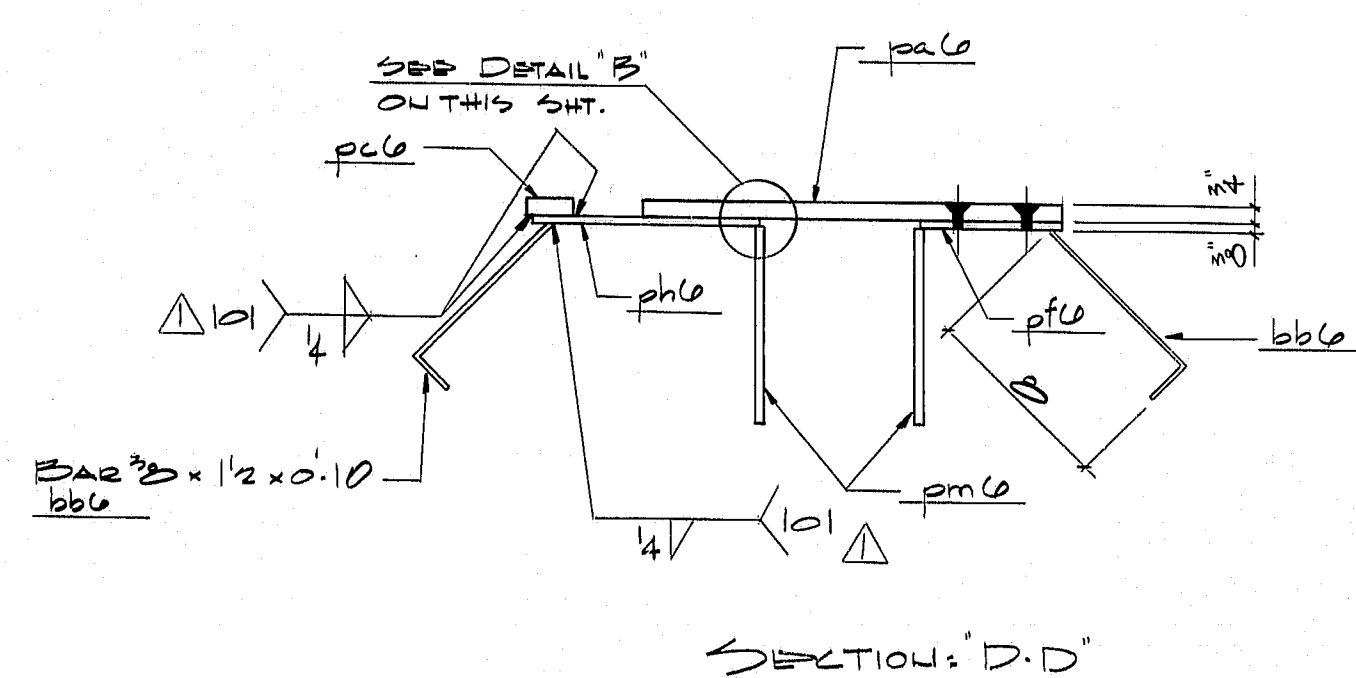
<b>ACME HIGHWAY PRODUCTS CORPORATION</b> 168 CREEKSIDE DRIVE, AMHERST, N.Y. 14150 (716) 691-3001			
FOR: STATE OF MAINE PROJECT: DOT. ARROOSTOOK COUNTY RESURFACING 15LBS PROJECT # HFP6-090-1 (22)			
REVISIONS	TITLE	DETAILS - SUPPORT BOX	
4-28-81 J.L.	DETAILED	J.L.	CHECKED RK
5-26-81 J.S.	CONTRACT NO.	81001	APPROVED
DATE	1-29-81	SHEET NO.	5 OF 7

1988.88

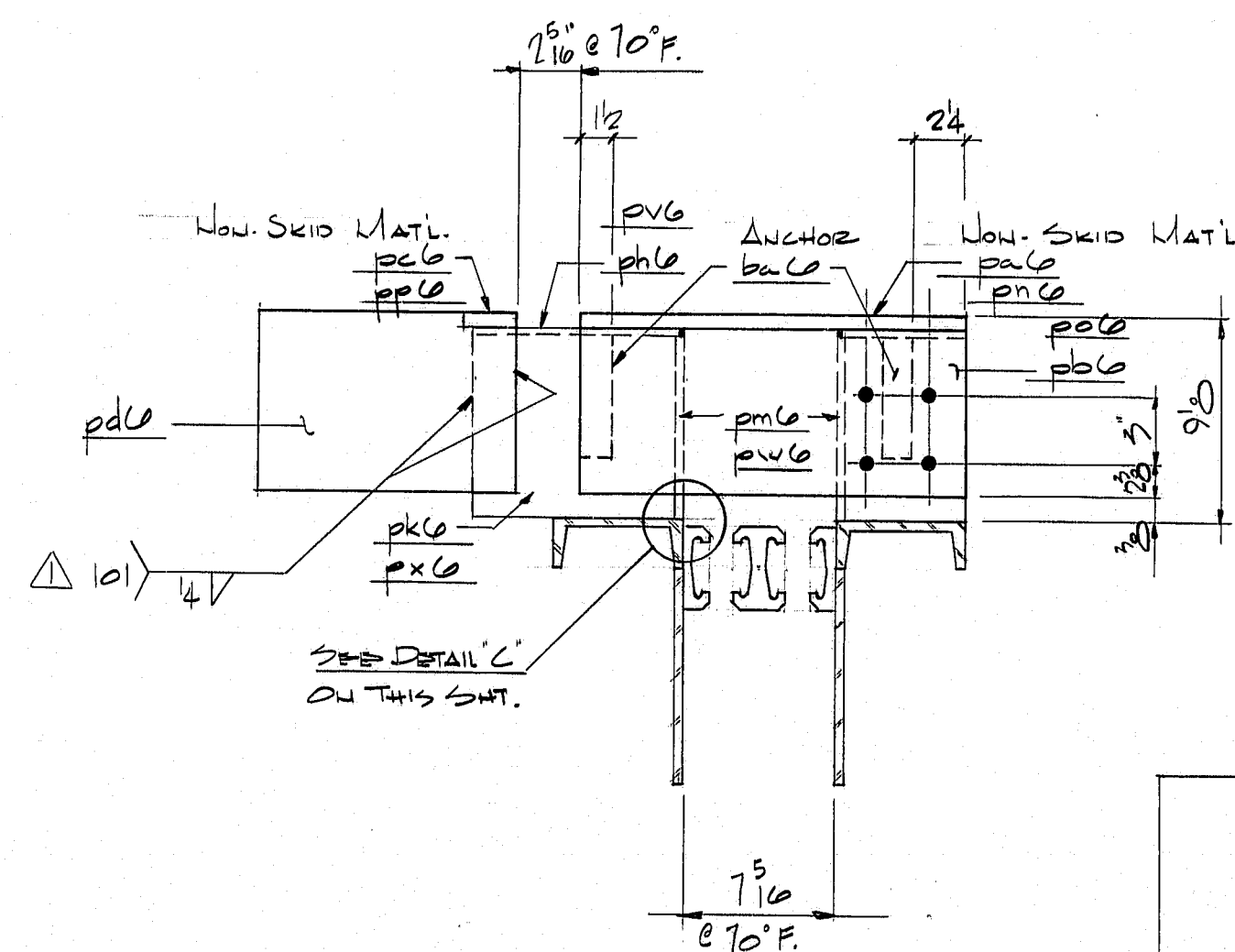




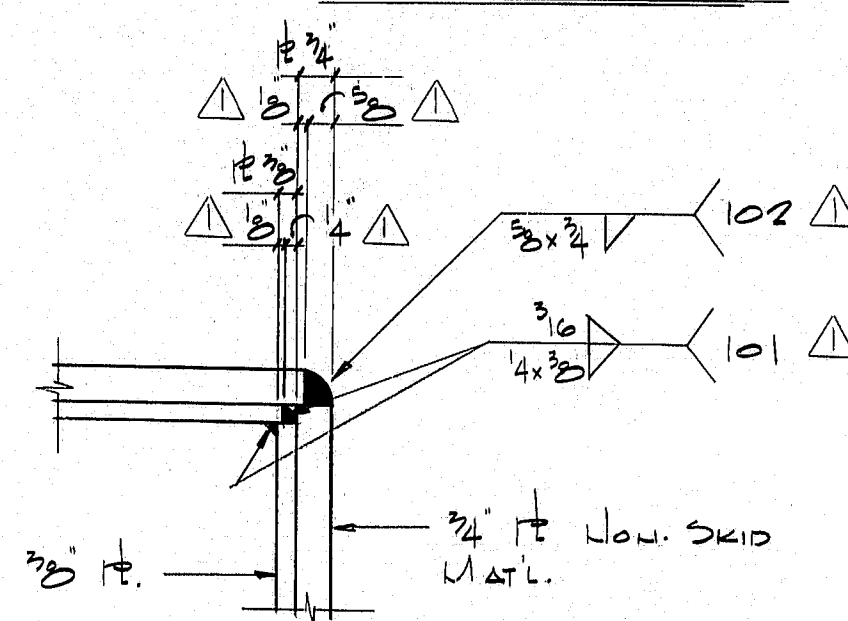
SECTION: "B.B" (AS SHOWN)  
SECTION: "C.C" (SIMILAR)



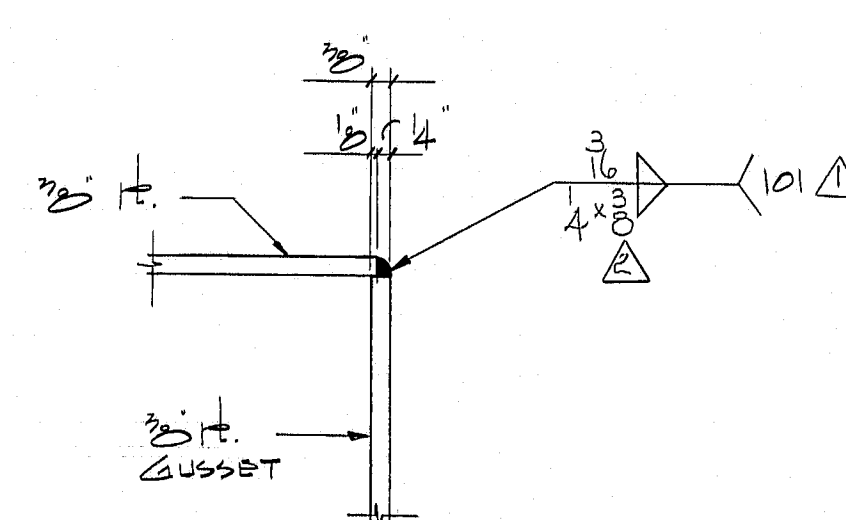
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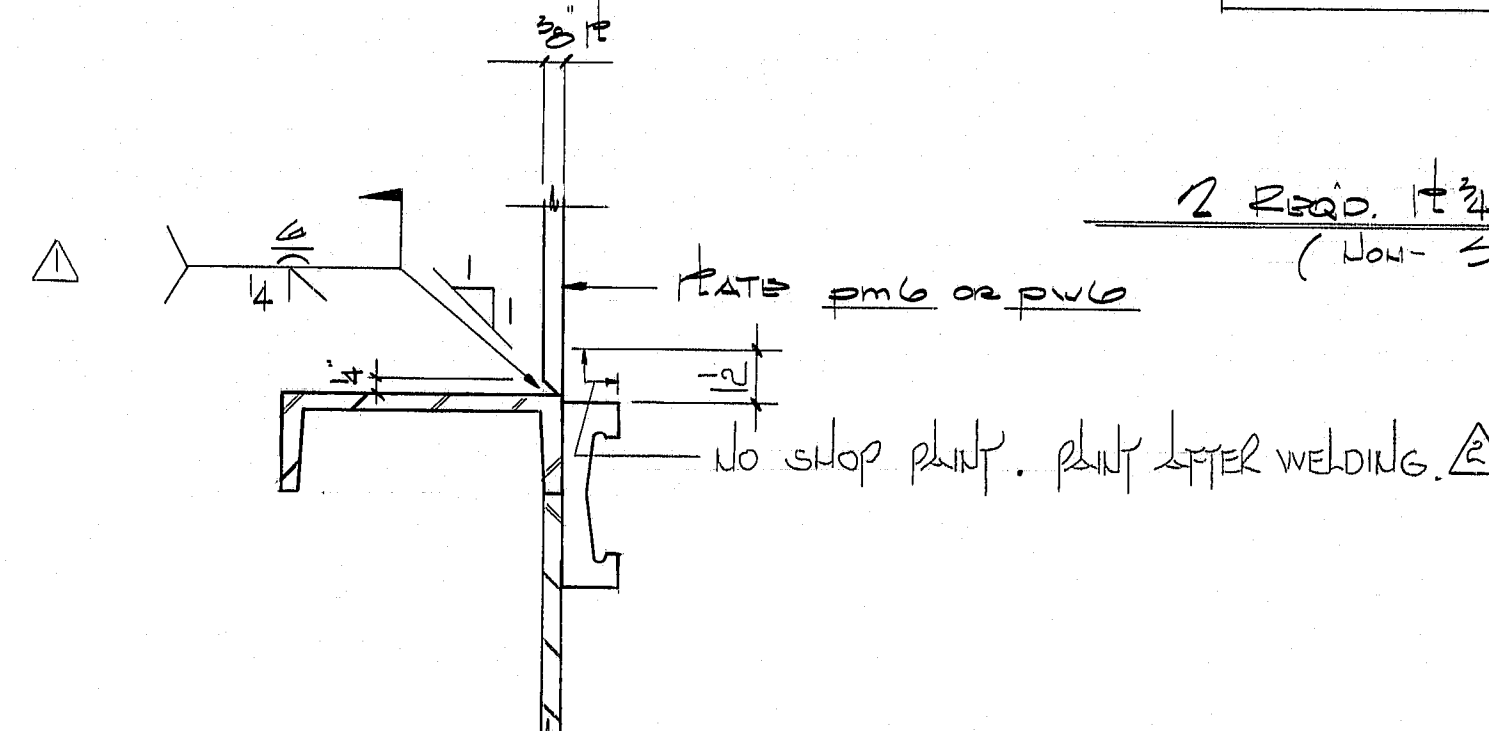
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SECTION: "F.F"



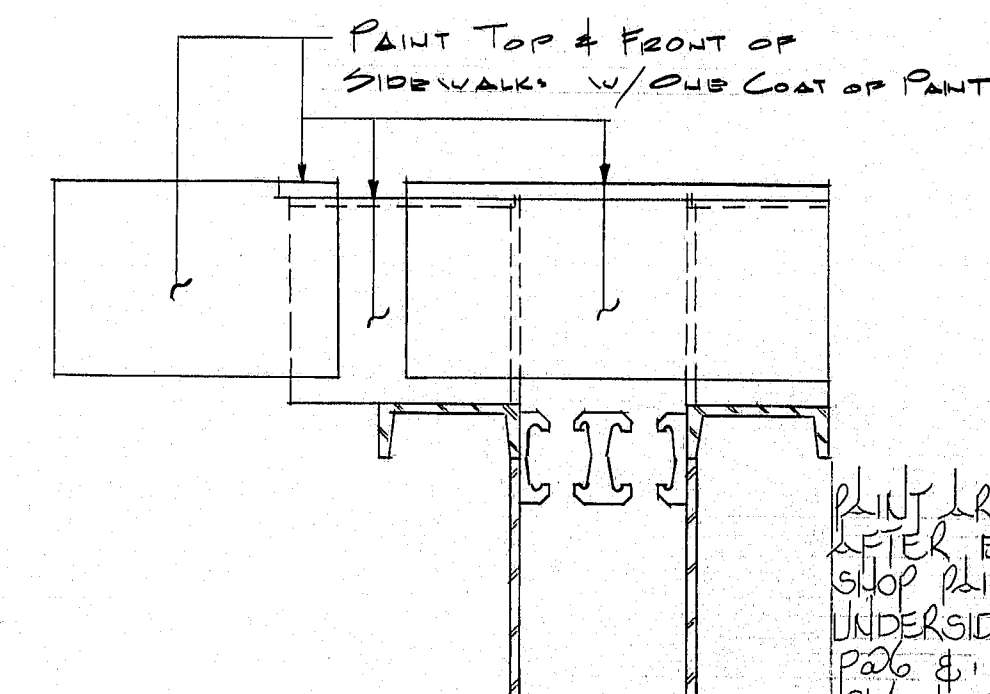
DETAIL "A"



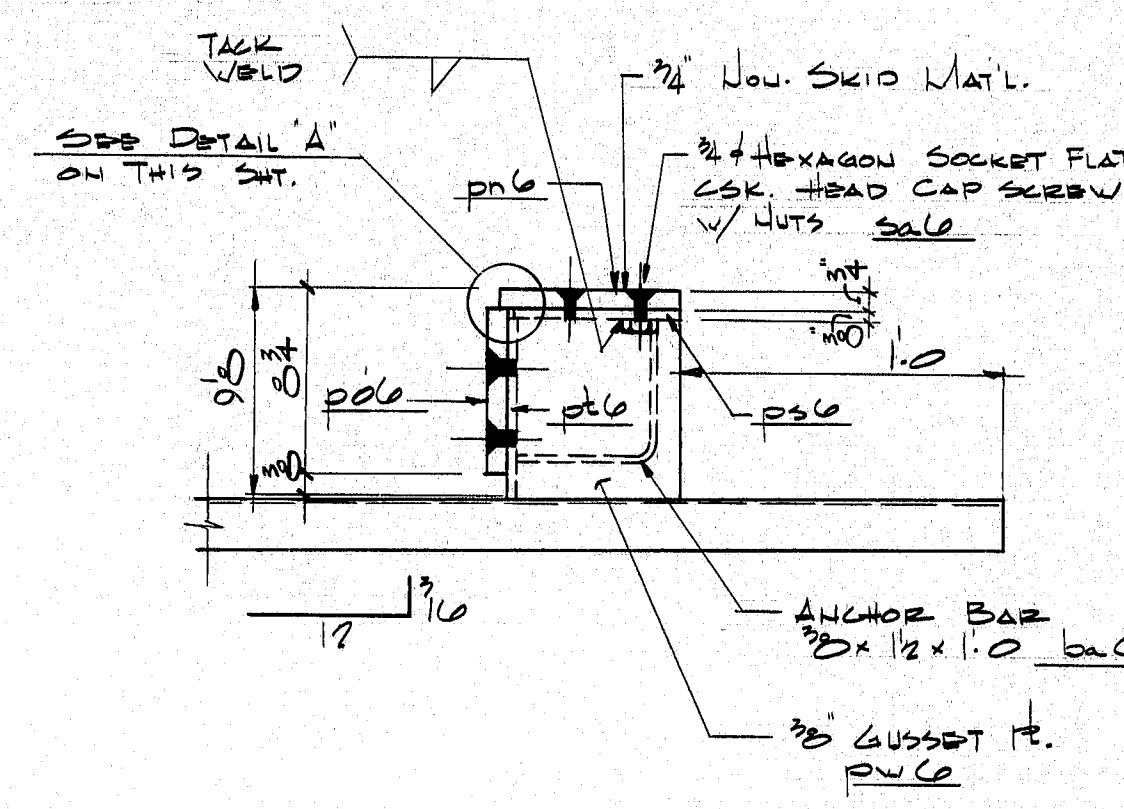
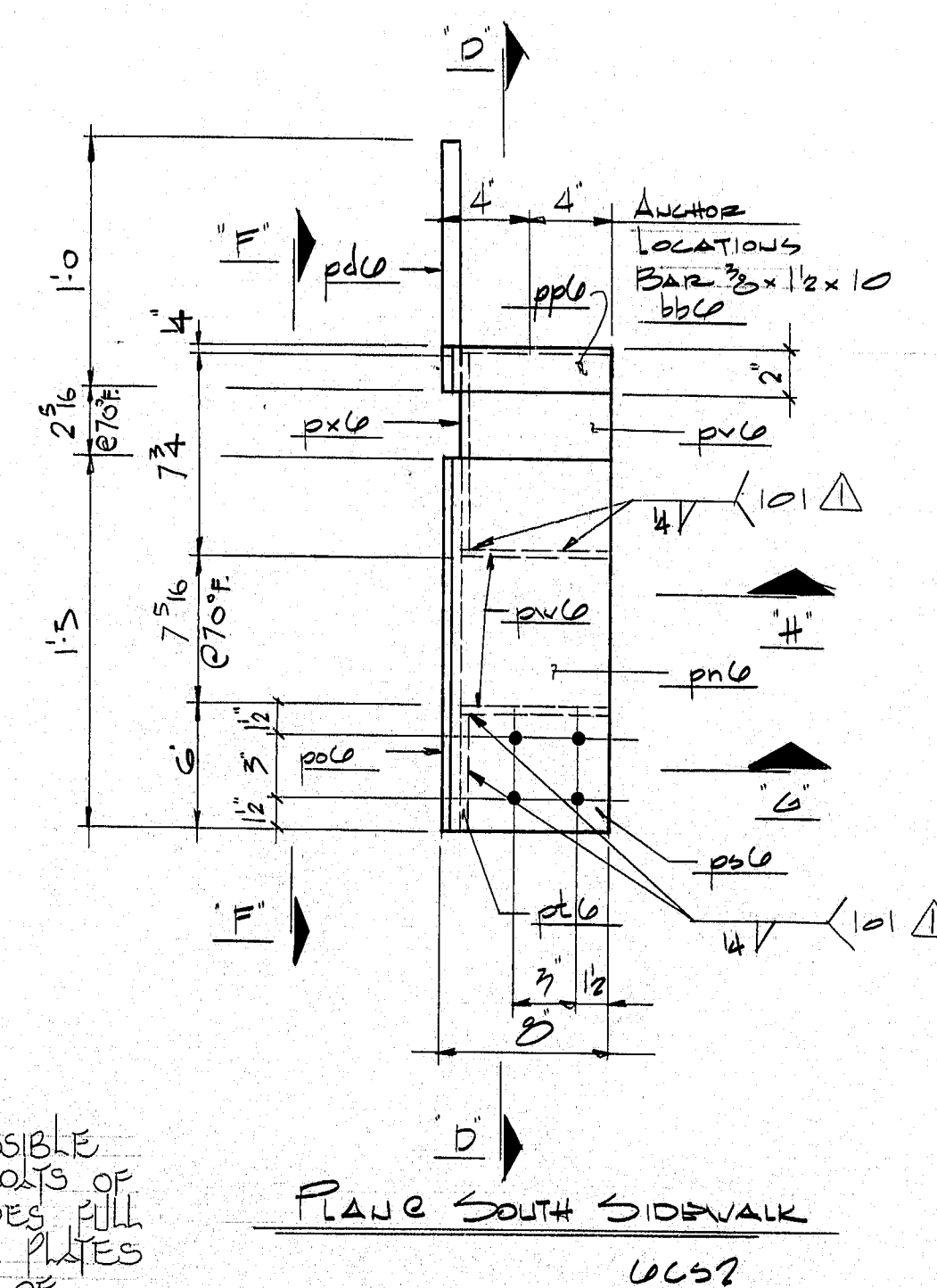
DETAIL "B"



DETAIL "C"  
(TYPICAL FIELD WELD)



PAINT DETAIL



SECTION: "G"  
SECTION: "H"


<b>ACME HIGHWAY PRODUCTS CORPORATION</b> 168 CREEKSIDE DRIVE, AMHERST, N.Y. 14150 (716) 691-3001			
FOR: STATE OF MAINE PROJECT: D.O.T. AROOSTOOK COUNTY PROJECT #150 PROJECT #150-050-1 (23)			
REVISIONS	TITLE	SIDWALK PLANS & DETAILS	
Δ 4.25.81 JZ	DETAILED	JZ	CHECKED RK
Δ 5.26.81 JS	CONTRACT NO.	21001	APPROVED
Δ	DATE	2.7.81	SHEET NO. 6 OF 7

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BILL OF MATERIAL						
MARK	NO.	SECTION	LENGTH FT. IN.	MATERIAL	REMARKS	
22A1	1	EXPANSION JOINT			BI-600	
1M1	22	UPPER BEARINGS		UPSTHAINE	ACME 3U-250	
1M2	22	LOWER BEARINGS		UPSTHAINE	ACME BL-371	
1M3	22	SPRINGS			ACME B2-500	
m1	2	BETA LOCK SEAL	60	0	UPORFENS	ACME LS-300
mbl	1	TYPE 'A' END CHANNEL	32	22	A32B	ACME
mcl	1	X-BEAM	32	22	A32B	ACME
mdl	1	X-BEAM	27	22	A32B	ACME
mfl	2	TYPE 'A' END CHANNEL	27	22	A32B	ACME
22P1	6	2" STS BOLTS		STANDARD	PAINT RED	
22P2	1	CHANNEL PLATE				
22C1	1	C 6 x 13	32	22	A32B	
22P3	1	H 3" x 10	32	22	A32B	
22P4	1	CHANNEL PLATE				
22C2	1	C 6 x 13	27	22	A32B	
22P5	1	H 3" x 10	27	22	A32B	
22P6	1	ANCHORS				
22P7	52	H 3" x 4 1/2	0	11	A32C	
22P8	26	#3 REBAR	2	13	A325GR40	
22P9	26	#3 REBAR	3	13	do	
		LEVELING DEVICES				
22W1	7	WT 7 x 19	0	10	A32C	
22P10	7	H 1/2 x 12 1/4	1	13	A32C	
22P11	14	1/2" x BOLT	2	24	A325	W/UT & WASHER
22P12	7	1/2" x 3/4" BOLT	2	32	A32C	
22P13	7	1/4" x 1/2" BOLT	1	2	A325 5/8" x 40	
22P14	7	1" ROD FULL THRO.	0	6	A307	W/2-1" x HEX. NUTS
22P15	7	1/4" x 3/4" BOLT	0	3	A32C	
		FASTENING DEVICES				
22P16	24	1/2" x 3/4" BOLT	0	3	A32C	PAINT RED
22P17	12	3/4" x 2" ROD FULL THRO.	1	3	A307	W/2NUTS & 2 WASHER
22P18	12	3/4" x 2" ROD FULL THRO.	1	0	A307	do
22P19	24	1/2" x BOLTS	2		A102B	W/UT & WASHER
22BX1	14	SUPPORT BOXES				
22BX2	14	SUPPORT BOXES				
22P20	14	H 2 x 2	0	10 1/2	A32B	
22P21	14	H 2 x 2	0	10 1/2	A32B	
22P22	56	H 2 x 5 3/16	0	7		
22P23	28	H 2 x 5 3/16	0	9 1/2		
22P24	14	H 2 x 1 3/16	0	9 1/2		
22P25	14	H 2 x 3/2	0	3 1/2		
22P26	14	H 2 x 3/2	1	5 1/2		
22P27	28	H 2 x 2 1/2	0	3 1/2		
22P28	28	2" x BOLTS #3.5	24		A325	W/UT & WASHER
		SUPPORT BARS				
22B1	14	Bar 2 x 3	1	7	A325	CUT FROM 3" IT
22B2	14	Bar 2 x 2 1/2	0	32	A325	
22P29	14	SHT. 1/4" x 2	0	28	S.S. 304	FLUSH 20 MI
22P30	28	SHT. 1/4" x 2	0	7	S.S. 304	FLUSH 20 MI
22C3	1	NORTH SIDE WALK				
22C4	1	H 3/4 x 17	4	10 1/2	COMMERCIAL QUALITY	SAFETY IT
22C5	1	H 3/4 x 2	1	3		
22C6	1	H 3/4 x 2	0	28		
22C7	1	H 3/4 x 2 1/2	1	0		
22C8	1	H 3/4 x 5 1/2	4	10 1/2	A32B	
22C9	1	H 3/4 x 5 1/2	4	10 1/2	A32B	
22C10	1	H 3/4 x 7 1/2	4	10 1/2	A32B	
22C11	1	H 3/4 x 7 1/2	0	2		
22C12	2	H 3/4 x 9 1/2	4	10 1/2		
22C13	22	2" x 2" CAP SCREW	2		S.S. 316	
22C14	2	Bar 2" x 1/2	1			

BILL OF MATERIAL					
MARK	NO.	SECTION	LENGTH FT./IN.	MATERIAL	REMARKS
pu-6	2	1" $\phi$ $\times$ 7 1/2	0	3	A528
sa-6	2	3/4" $\phi$ CB. CAP SCREW	0	2	2-2 S16
ba-6	2	BAR 3/4" $\times$ 1/2	1	0	A528
ba-6	2	BAR 3/4" $\times$ 1/2	0	10	A528

NOTE: TYPE 2 END CHANNEL EXTRUSIONS ARE TO BE SUPPLIED IN 18 TO 20 FT. LENGTHS. 

X-BEAM EXTRUSIONS ARE TO BE SUPPLIED IN 12 TO 15 FT. LENGTHS.

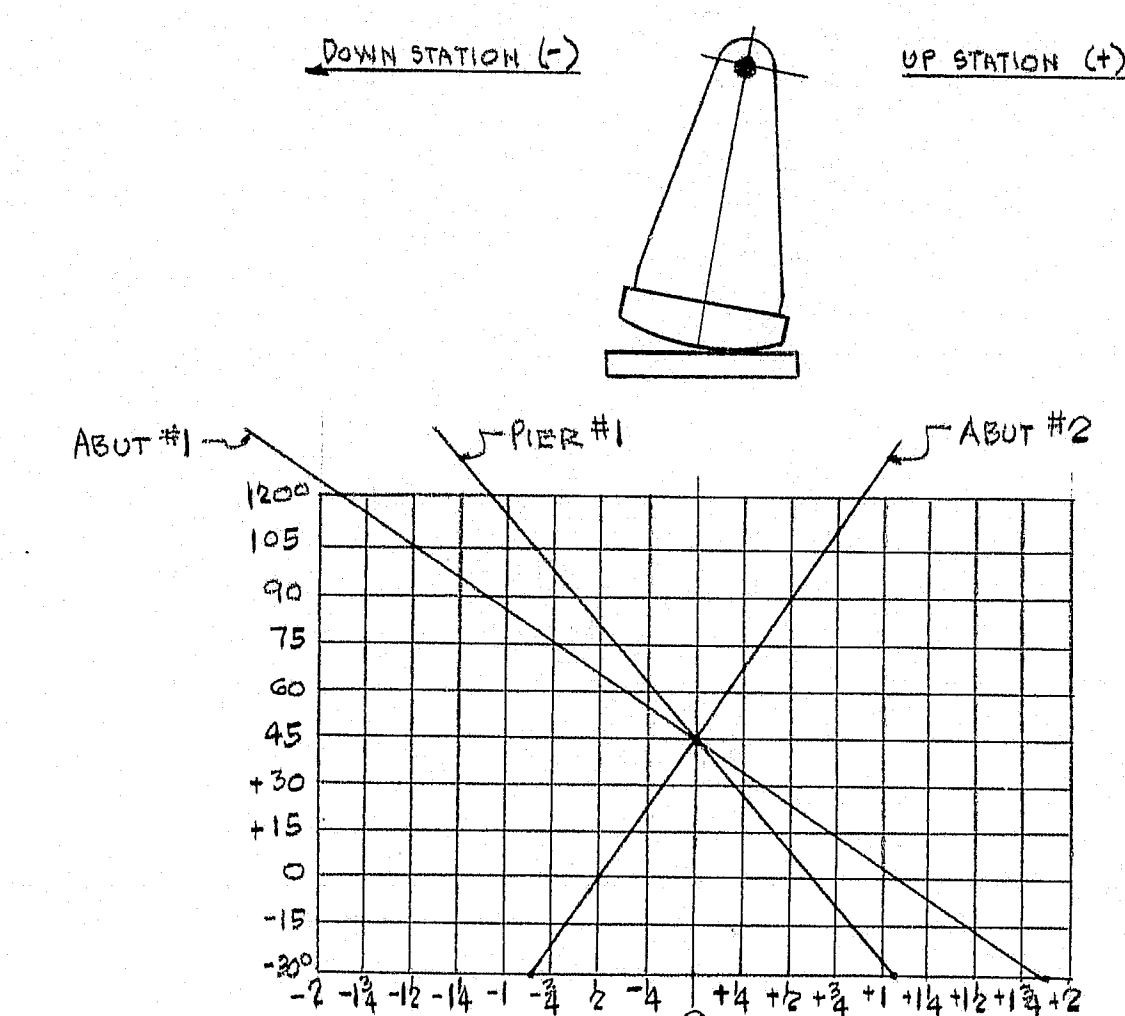
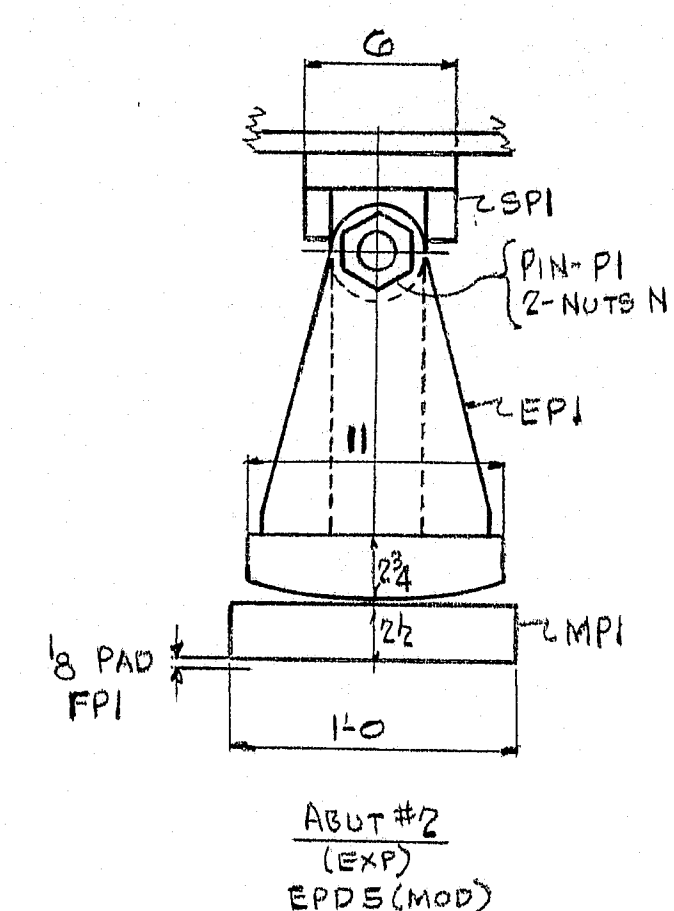
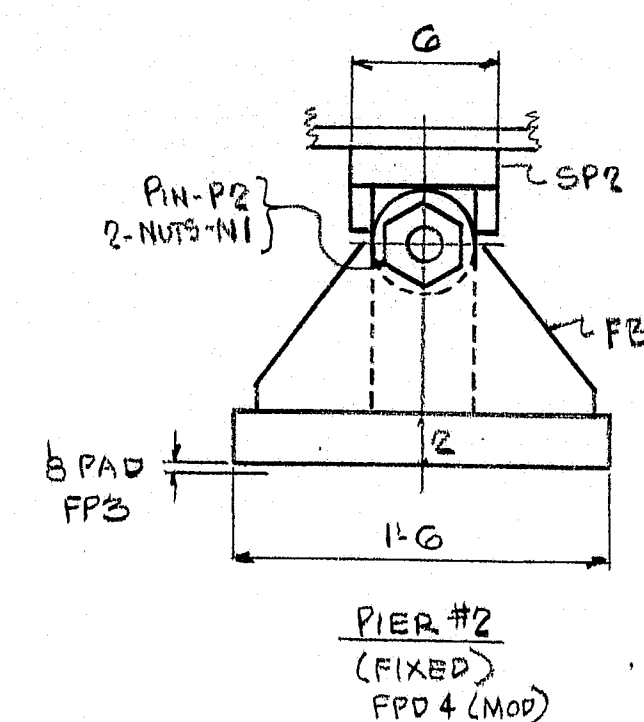
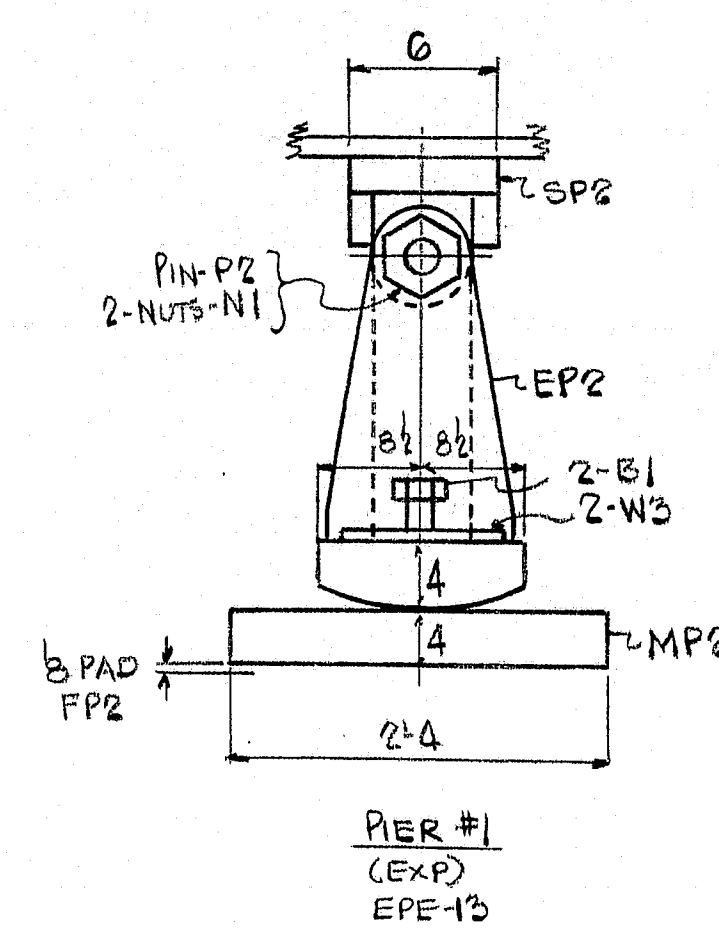
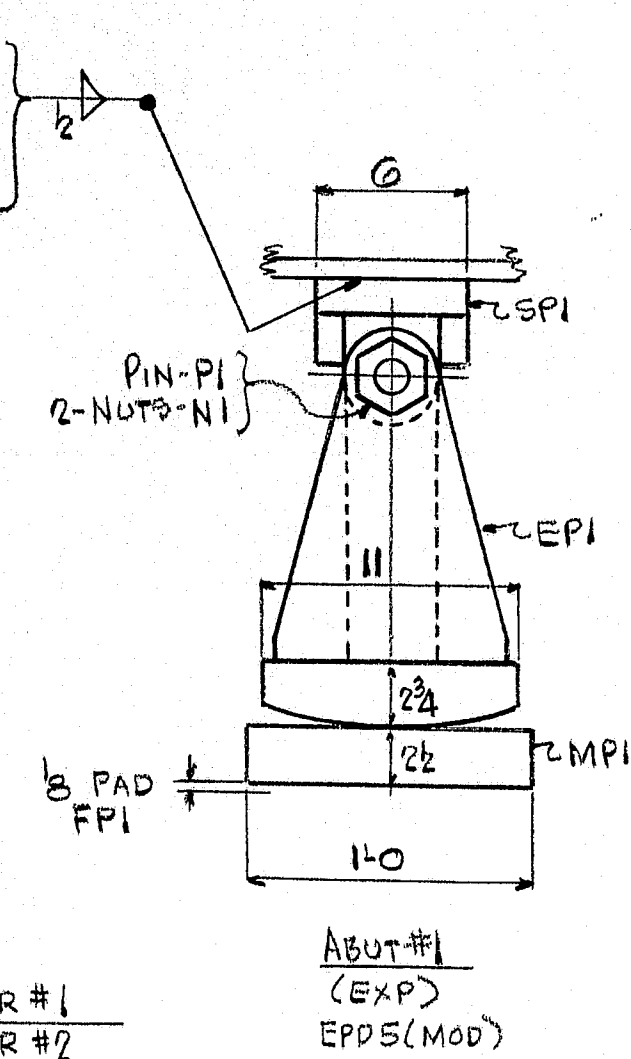
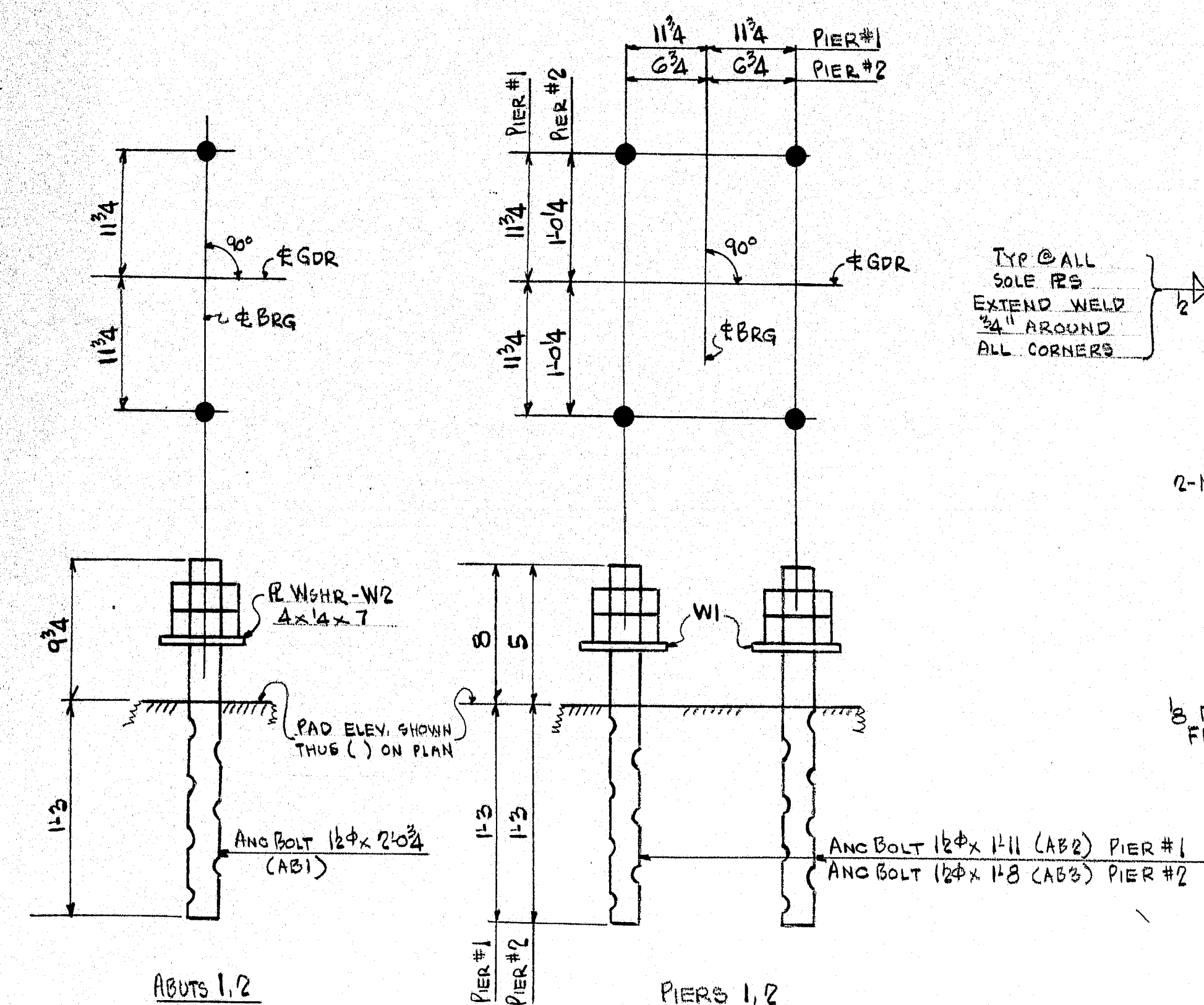
 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <h1 style="margin: 0;">ACME</h1> <p style="margin: 0; font-weight: bold;">HIGHWAY PRODUCTS CORPORATION</p> <p style="margin: 0;">168 CREEKSIDE DRIVE, AMHERST, N.Y. 14205 (716) 691-3000</p> </div>		
FOR:	STATE OF MAINE	
PROJECT:	D.O.T. AROOSTOOK COUNTY PACIFIC ISLE PROJECT # WFLA-C50-1 (23)	
REVISIONS	TITLE	
	BILL OF MATERIAL	
Δ 4-28-81 J.J.	DETAILS	CHECKED
Δ 5-26-81 J.S.	CONTRACT NO. 21001	APPROVED
Δ 6-11-81 J.S.	DATE 2-5-81	SHEET NO. 7 OF 7

122-90



REEL 85  
177:91  
to  
178:5 inc.  
**2**





BEARING SETTING CHART

THE BEARING SETTING CHART INDICATES THE REQUIRED FINAL POSITION OF THE BEARINGS. IT IS ANTICIPATED THAT THE BEARINGS AT ABUTS 1,2 WILL EACH MOVE 1/4" AWAY FROM THE FIXED BRGS DUE TO PLACEMENT OF THE SUPERSTRUCTURE CONCRETE. IT IS ANTICIPATED THAT THE BRGS AT PIER #1 WILL NOT MOVE DUE TO PLACEMENT OF SUPERSTRUCTURE CONCRETE.

APPROVED FOR CONSTRUCTION  
DATE 3/20/81

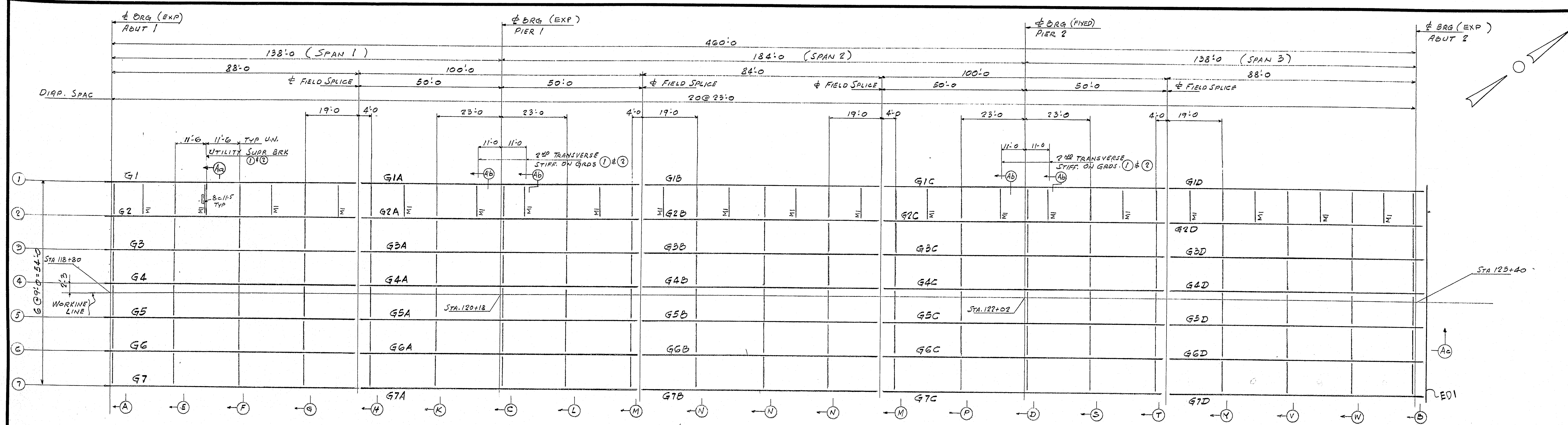
ANCHOR BOLT PLAN

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

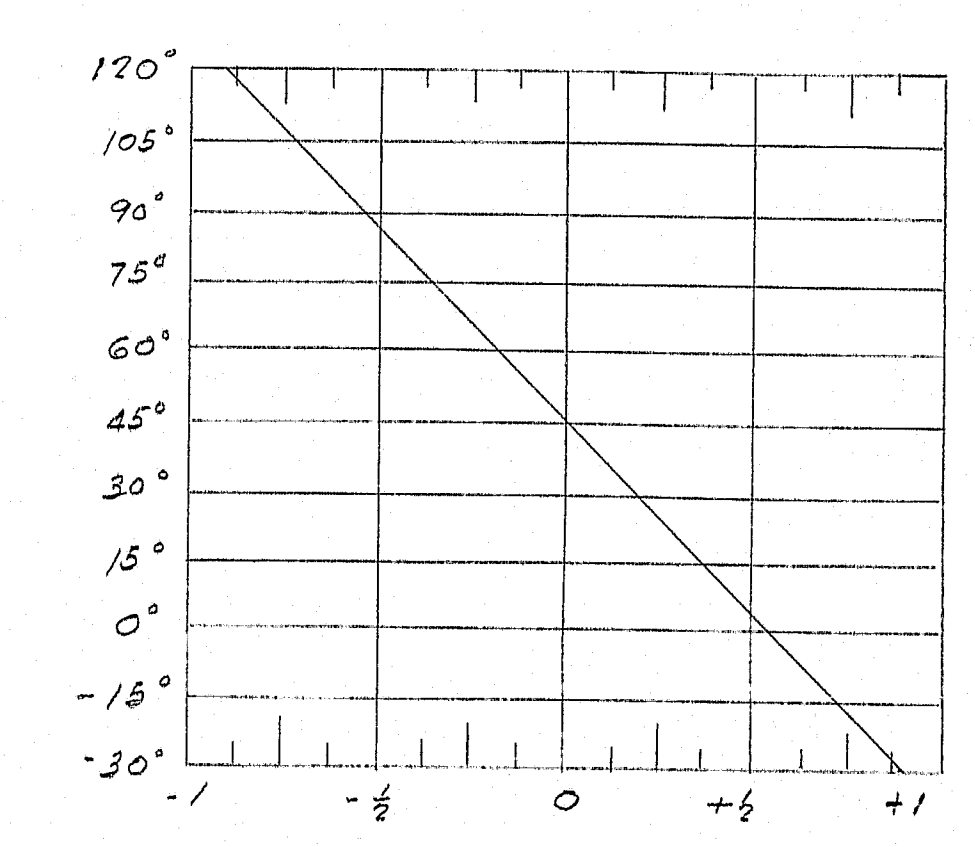
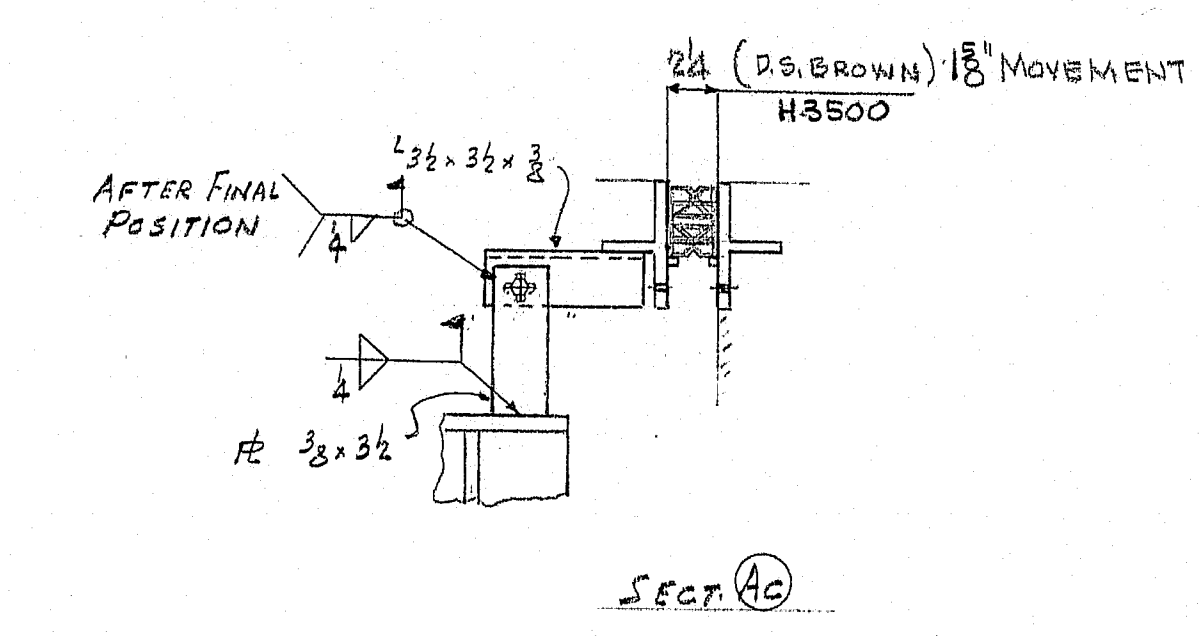
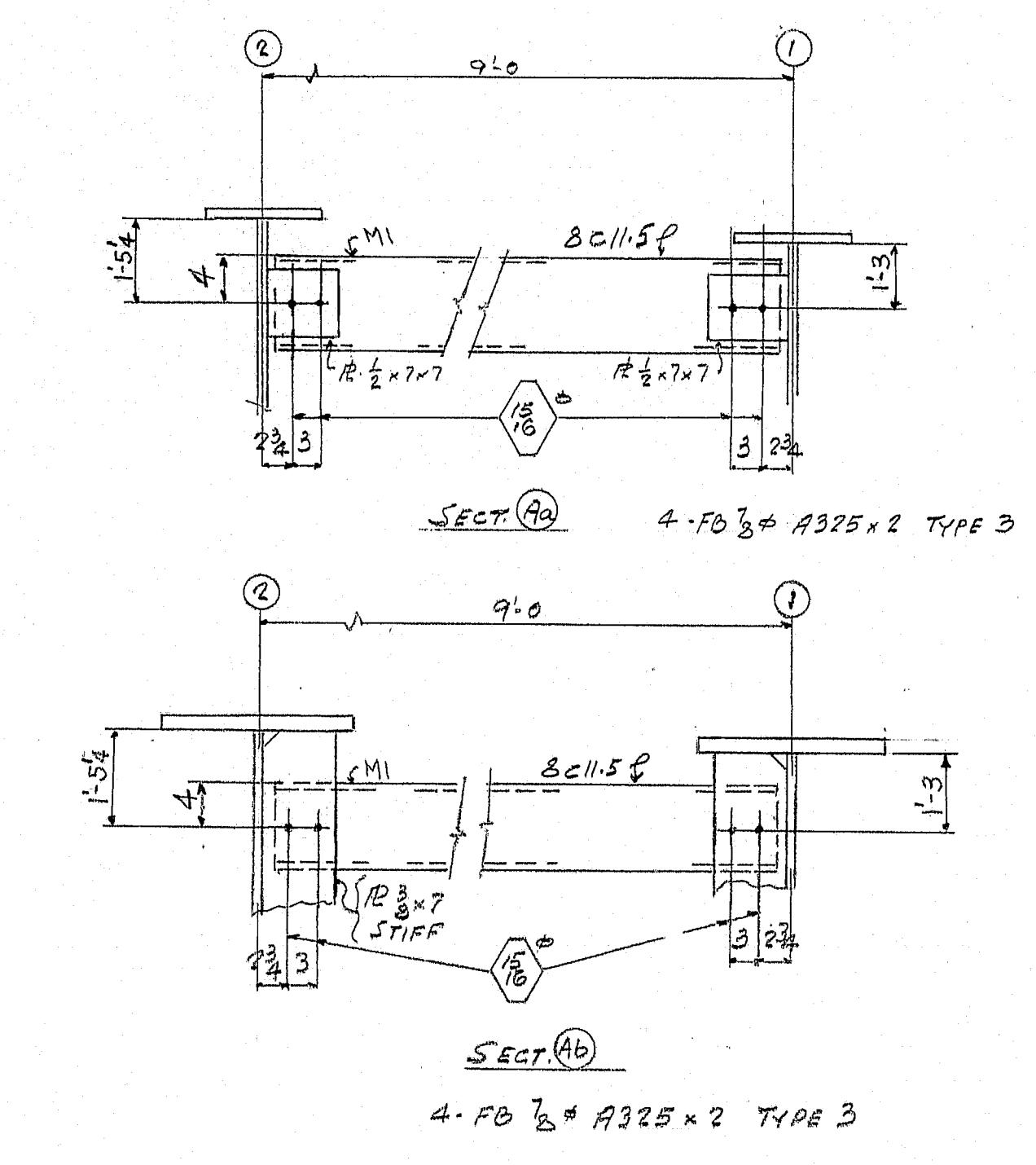
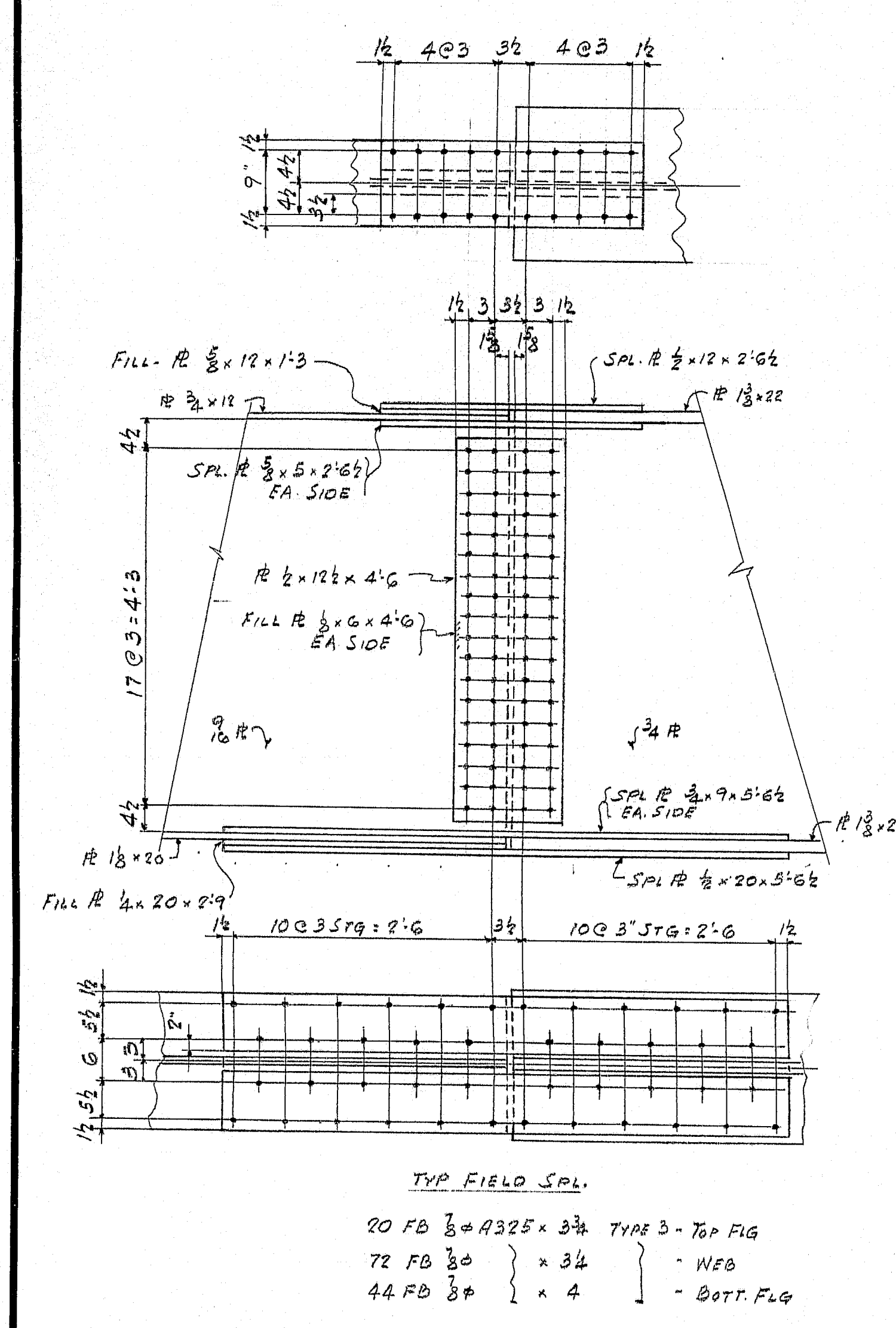
BLDG. COVERED BRIDGE OVER ARROSTOOK RIVER PRESQUE ISLE, ARROSTOOK CO. - MAINE	
PROJ. NO. U-F-PG-050-1 (23)	
ARCH.	
CONTR.	
HOLES	MADE BY STEAKO
RIVETS	CHECKED BY JB
PAINT	DATE 7-4-81
JOB NO. 202-81	SHEET NO. E1

177-91





ALL DIMENSION ON PLAN ARE HORIZ.



ARMOR JOINT ADJUSTMENT  
ABUT. 2

SHT. NO.	DESCRIPTION
E1	ARM. JOINT PLAN
E2	ERECTION PLAN
E3	SECTIONS
1	BAG DETLS
2 to 36	GRADE DETLS
37	CAMBER DIAG
38	ASSEMBLY DIAG
39	DIAP. DETLS
40 to 42	EXP. JOINT DETLS
43	DRAINS
44	

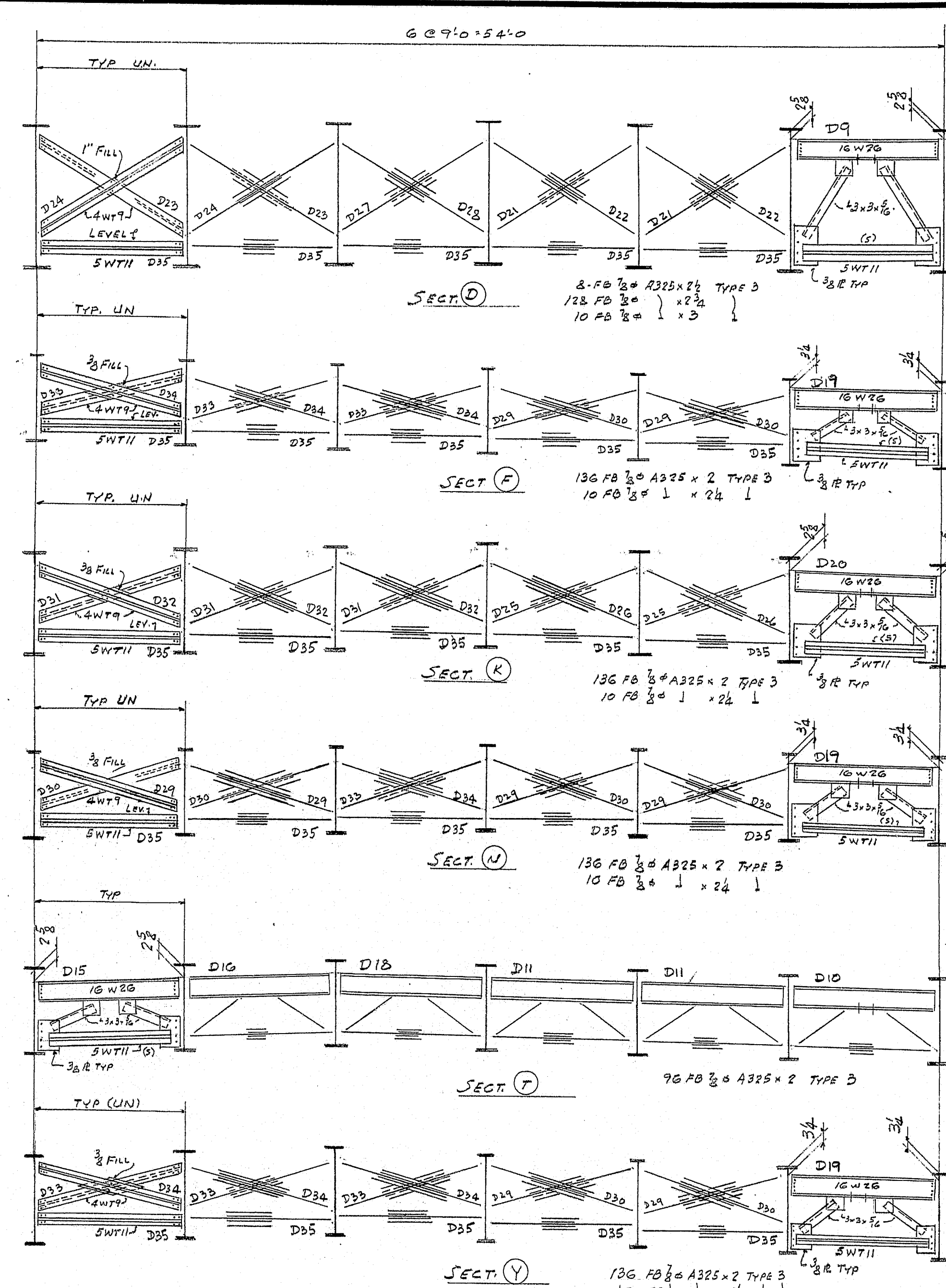
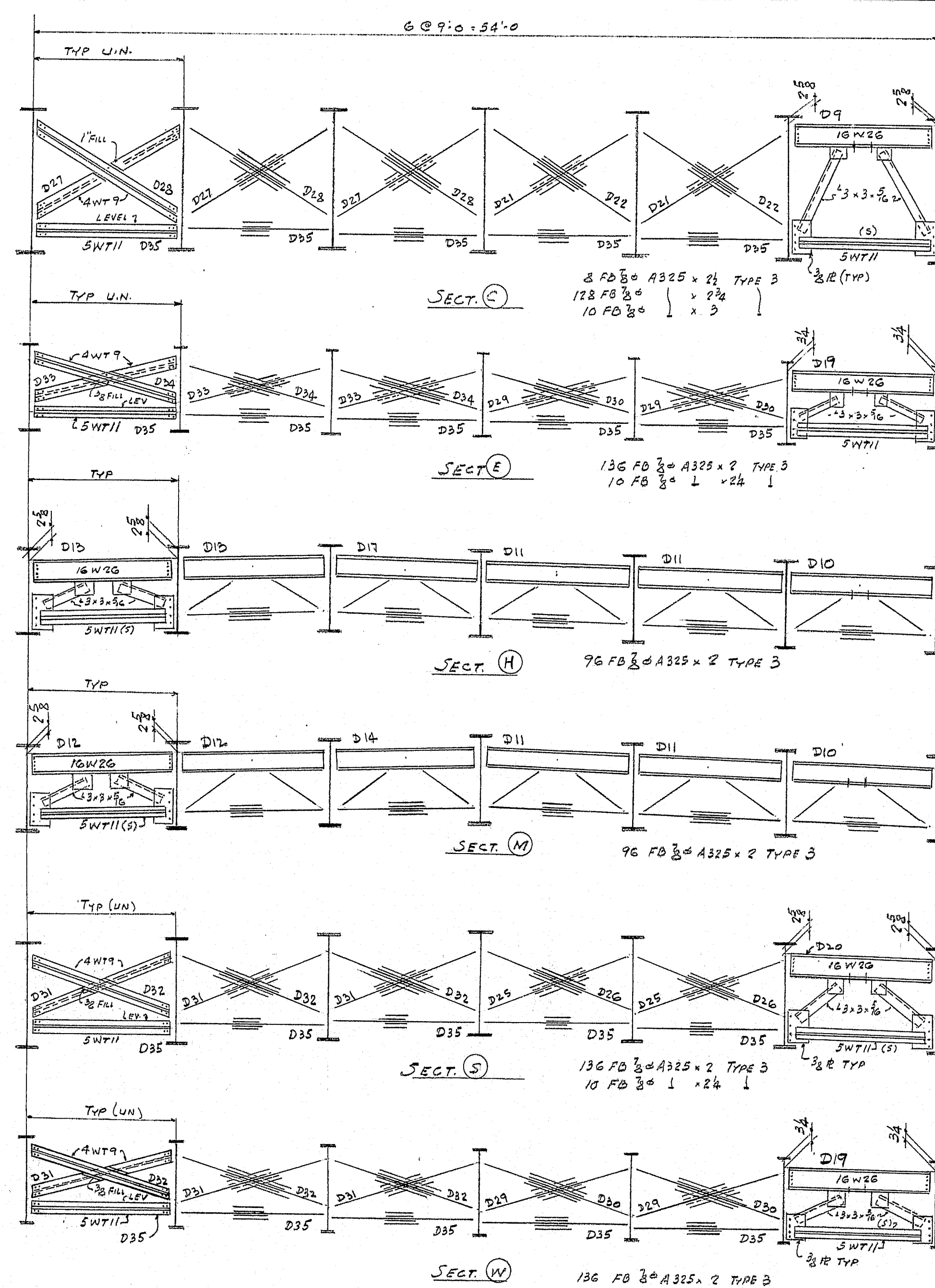
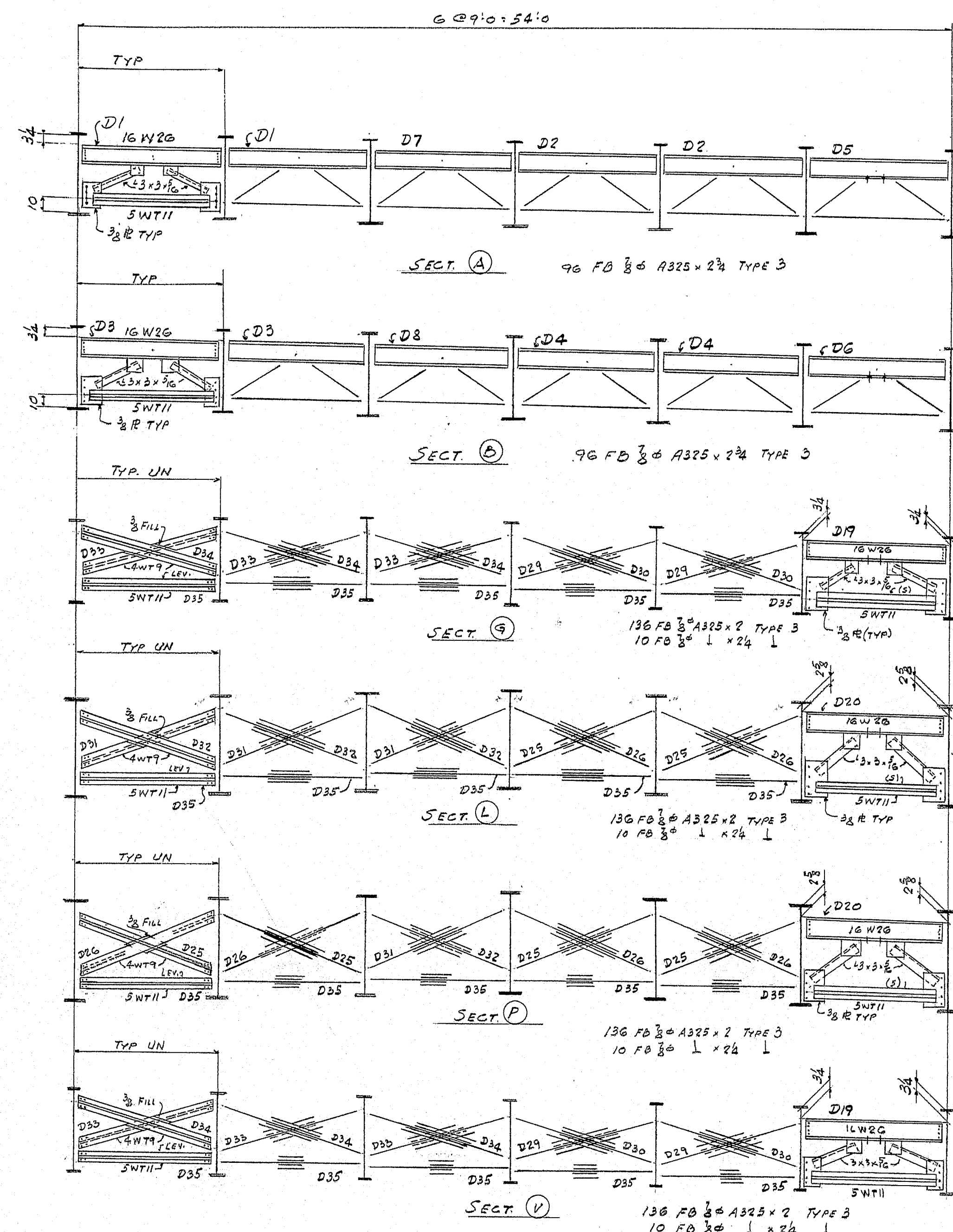
SEE E3 FOR SECTIONS  
APPROVED FOR CONSTRUCTION  
DATE 5/13/81

ERECTION PLAN	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BRIDGE OVER ANDROSTOCK RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY T
CONTR.	CHECKED BY JB
HOLES	DATE 2-25-81
RIVETS	
PAINT	
JOB NO. 202-81	SHEET NO. E2

3-16-81

177-92





APPROVED FOR CONSTRUCTION  
DATE 5/13/81

SECTIONS	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BRIDGE OVER BROOKSTON RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY T.
CONTR.	CHECKED BY J.B.
HOLES	DATE 2-25-81
RIVETS	
PAINT	
JOB NO. 202-81	SHEET NO. FB

177-93



BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
14	SP1	SOLE R	1	0							
14	SP2	SOLE R	1	7							
56	a	1x4	0	4 3/4							
14	EP1	EXP PEDESTAL									
14	b	2 1/2 x 11	2	4							
14	c	3 1/2 x 12	1	4							
28	d	1 x 9 1/2	1	2 1/4							
7	EP2	EXP PEDESTAL									
7	f	4 x 17	2	4							
7	g	3 1/2 x 10 1/4	1	5							
14	h	1 x 15 1/2	1	1							
14	s	1 x 6	0	8 1/4							
		MASONRY PLATES									
14	MP1	2 1/2 x 12	2	4							
7	MP2	4 x 28	2	4							
42	k	1 1/2 x 2	0	22							
7	FB1	FIXED PEDESTAL									
7	m	2 x 18	2	5							
7	n	3 1/2 x 8 3/4	1	5							
14	p	1 x 11	1	4 1/2							
14	w	1 x 6 1/4	0	6 1/2							
		PINS									
14	p1	2 x 2	1	8 1/4							
14	p2	2 x 2	1	9 1/4							
		RECESSED NUTS									
56	n1	7/8 x 3	0	3 3/8							
		ANCHOR BOLTS									
28	AB1	1 1/2 x 2	2	0 3/4							
28	AB2	1 1/2 x 1 1/2	1	11							
28	AB3	1 1/2 x 1 1/8	1	8							
168	HEX NUTS	1 1/2 x 1 1/2									A325 (TYPE 3)
		WASHERS									
56	W1	5/16 x 1 1/2									A325 (TYPE 3)
28	W2	1/4 x 4	0	7							A508
14	W3	1/4 x 3 1/2	0	8							A508
		FABRIC PADS									
14	FP1	18 x 12	2	4							
7	FP2	18 x 28	2	4							
7	FP3	18 x 18	2	5							
14	B1	CAP SCREW 1/4 x 2 1/2	0	8 3/8							A325 (TYPE 3)

MATERIAL - A588 U.N. OPEN HOLES - AS NOTED  
 ALL FILLET WELDS 201  
 WLT - DENOTES HOT WHITE LEAD & TALLOW.  
 CLEANING - SSPC-SP10  
 SHOP PAINT - NONE

APPROVED FOR CONSTRUCTION  
 DATE 3/20/81

BEARING DETAILS

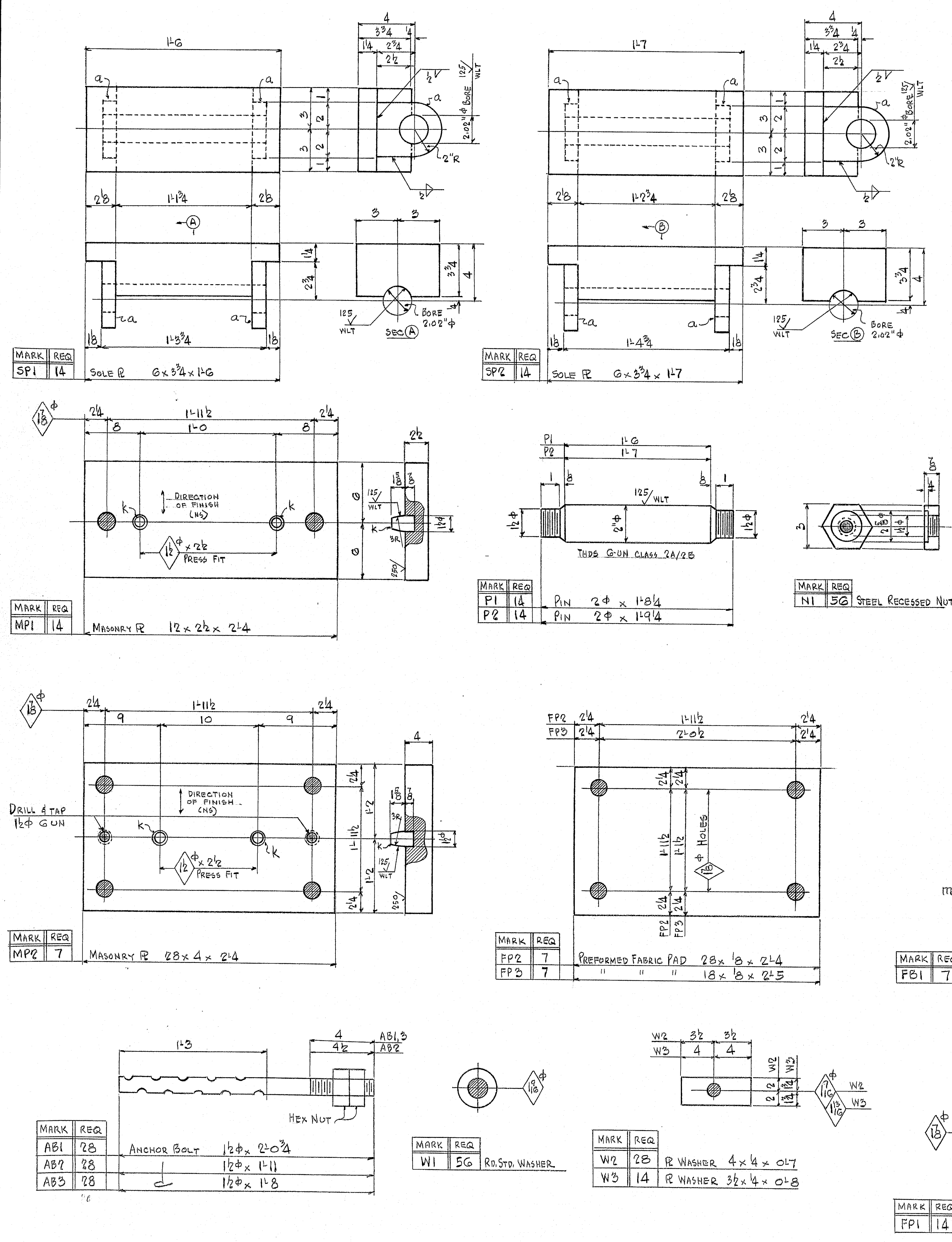
**LYONS IRON WORKS, Inc.**  
 MANCHESTER, N. H.

BLDG. COVERED BRIDGE OVER AROOSTOOK RIVER  
 PRESQUE ISLE, AROOSTOOK CO. - MAINE  
 ARCH. PROJ. NO. U.F.-EQ-050-1 (23)

CONTR. \_\_\_\_\_  
 HOLES \_\_\_\_\_  
 RIVETS \_\_\_\_\_  
 PAINT \_\_\_\_\_

MADE BY STESKO  
 CHECKED BY JLB  
 DATE 7-9-81

JOB NO. 702-81 SHEET NO. F1



177-94









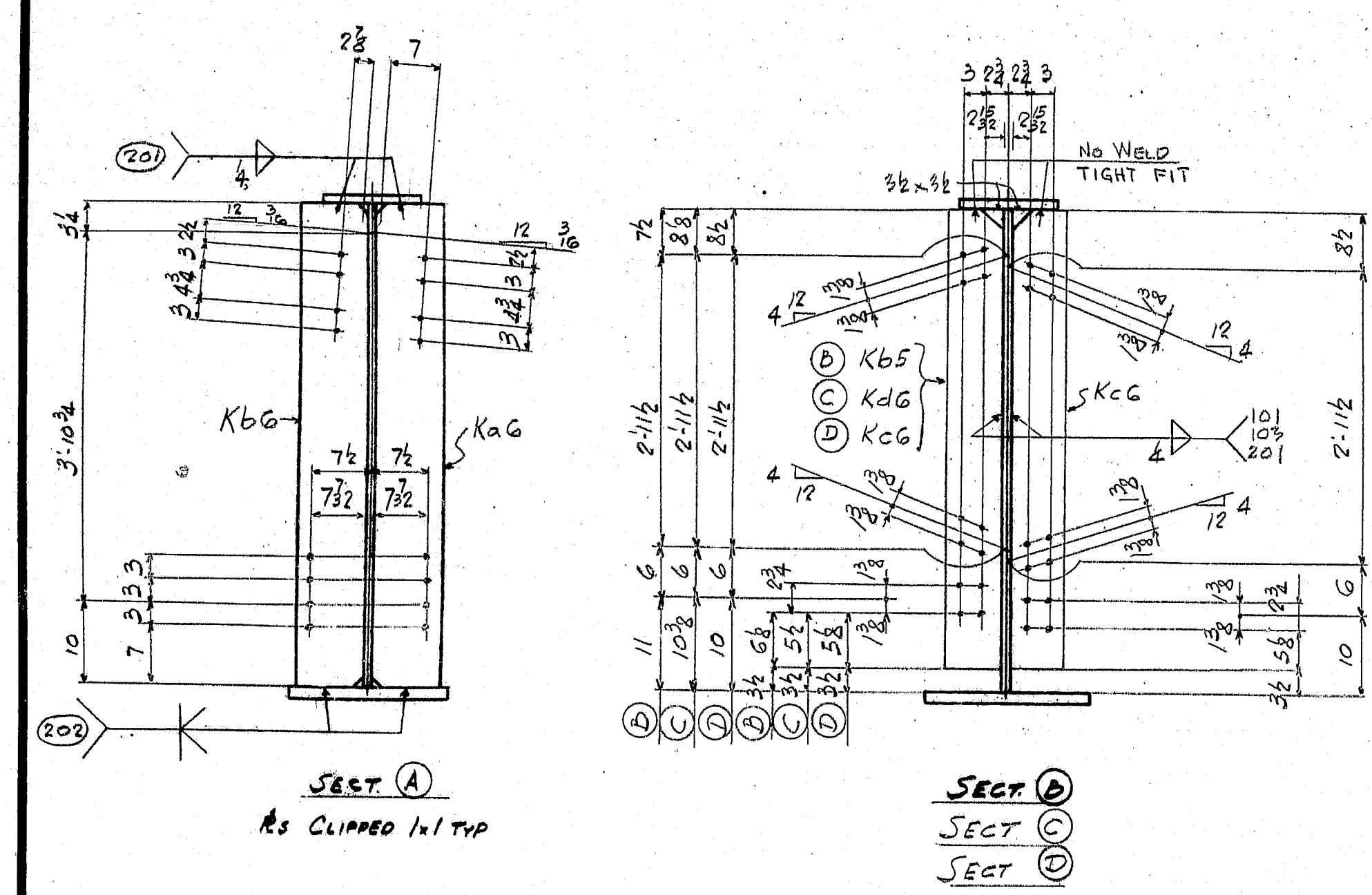












MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F39  
FOR CAMB. DIAG SEE SHT F37

GRD DETAIL 45

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

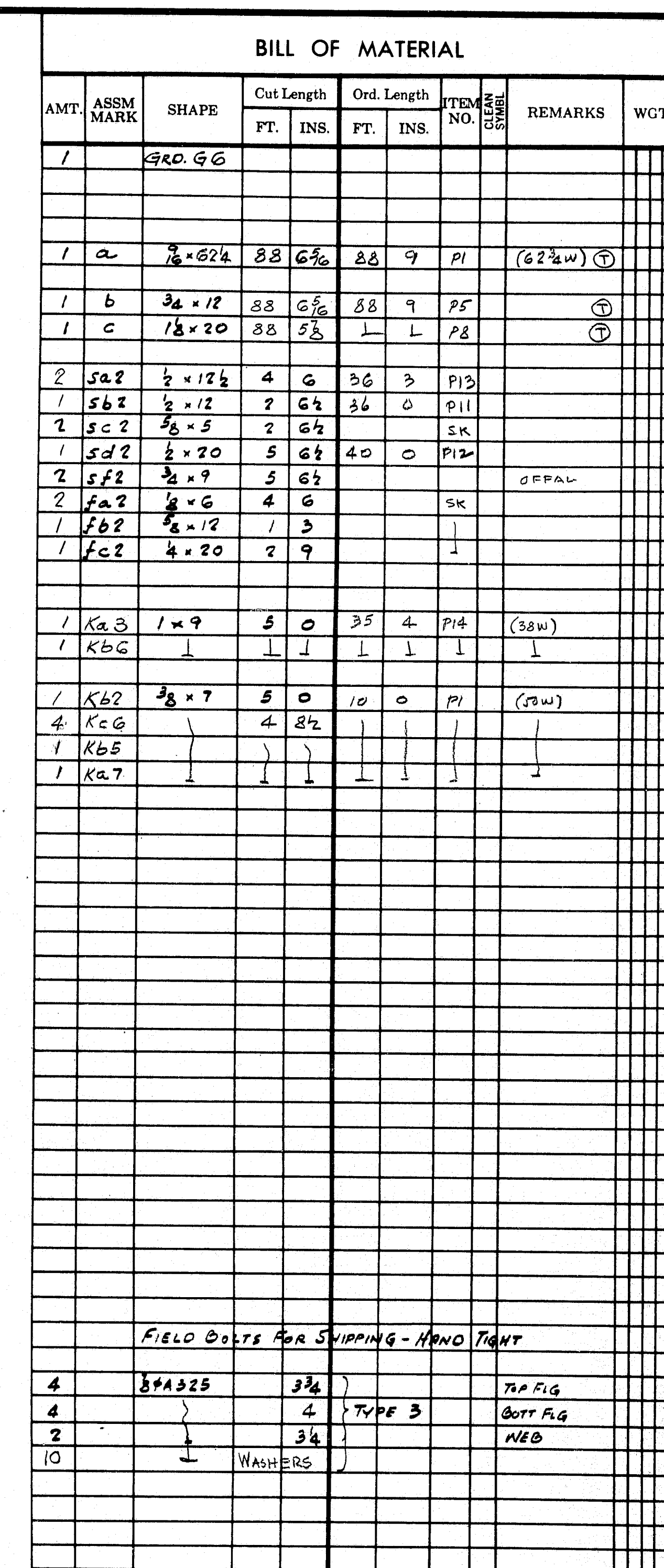
BLDG. BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 20 \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT None \_\_\_\_\_

MADE BY T \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
DATE 3-11-81

JOB NO. 202-81 SHEET NO. FG





MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F39  
FOR CAMB. DIAG SEE SHT F37

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRD DETAIL GG

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BLDG. BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

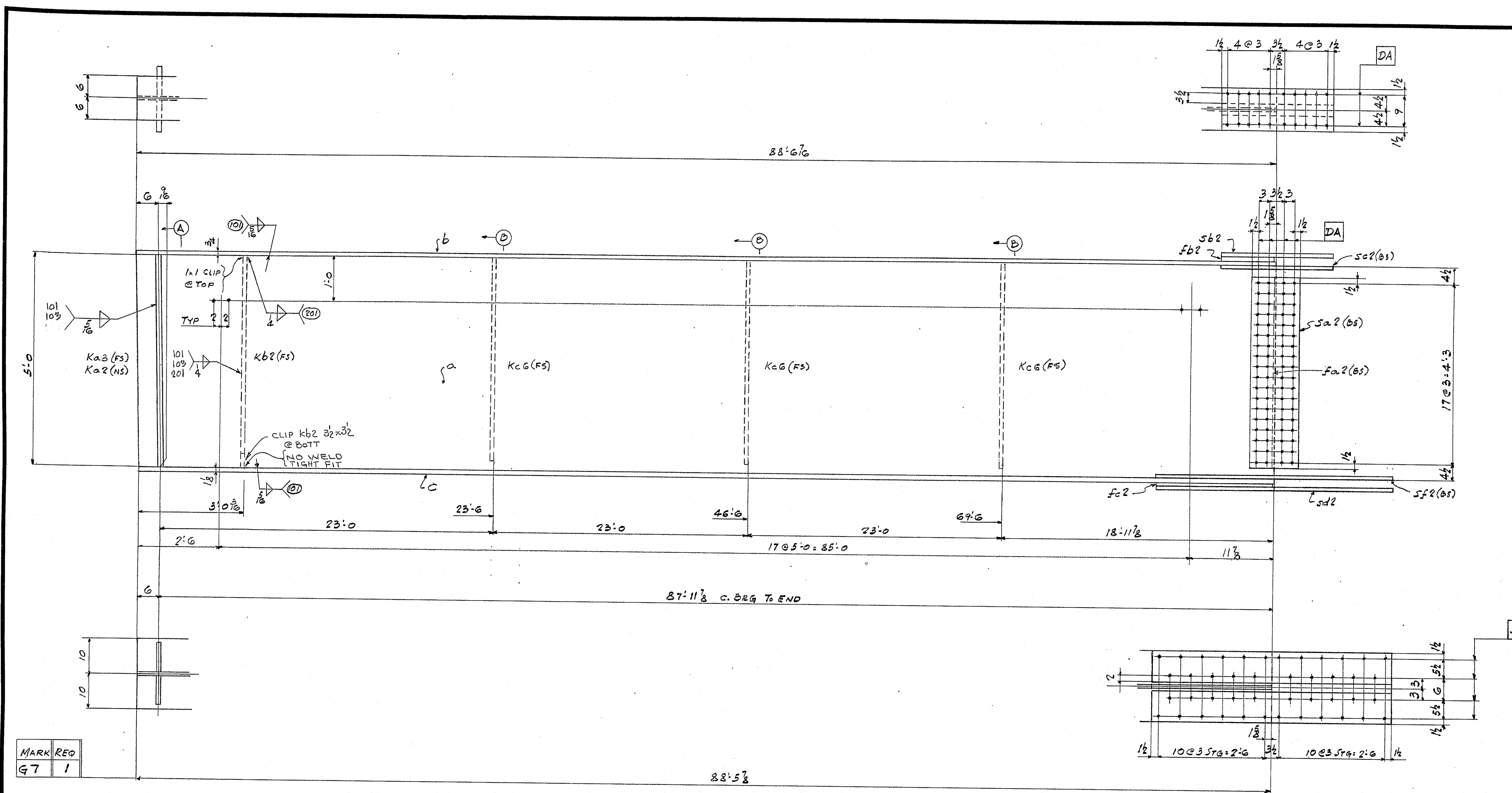
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 港中 \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT NONE \_\_\_\_\_

MADE BY T  
CHECKED BY JB  
DATE 3-11-8

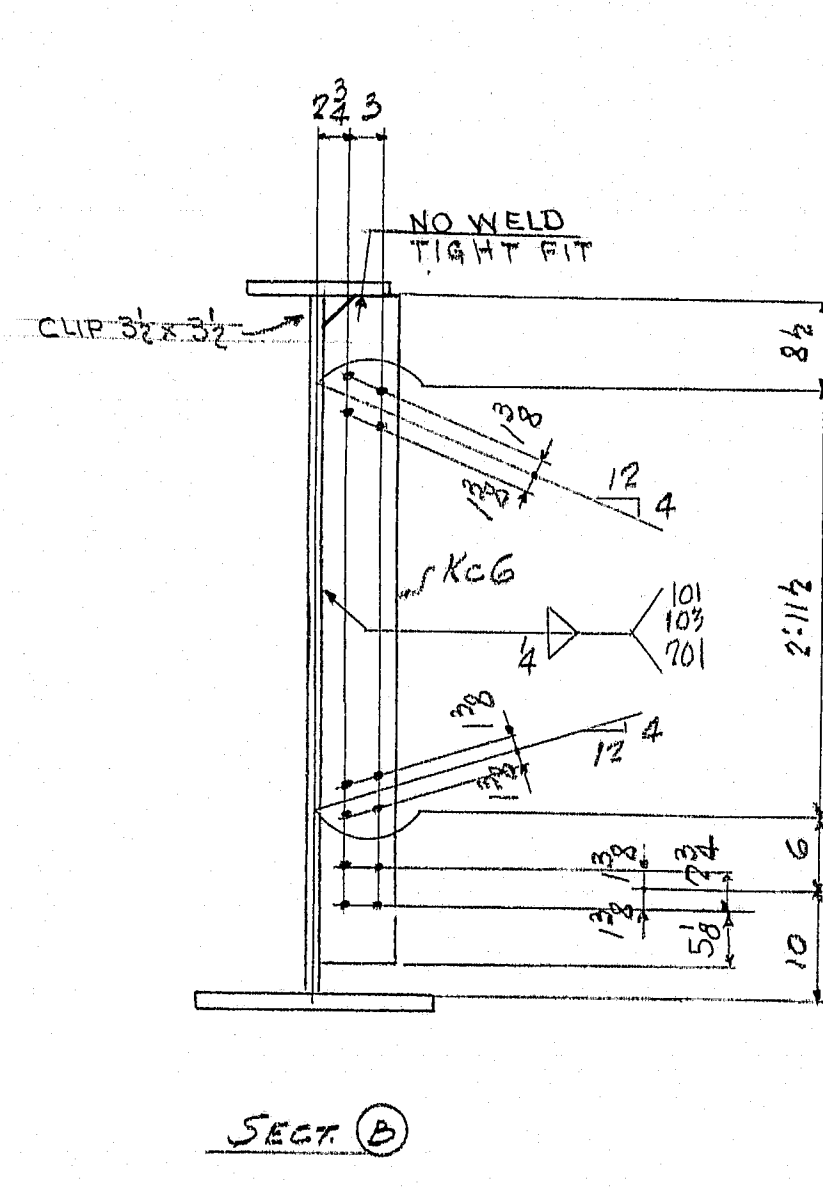
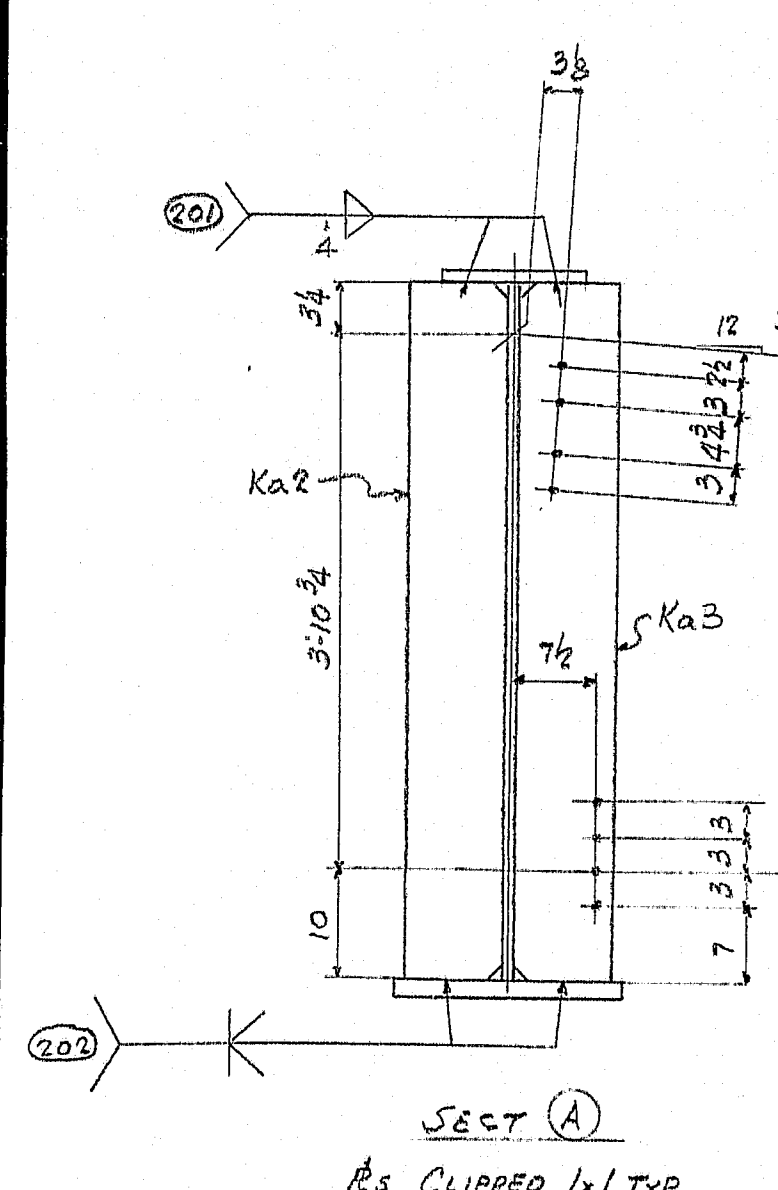
JOB NO. 202-81 SHEET NO. 57

127-100





MARK	REQ
G7	1



BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
FT.	INS.	FT.	INS.	FT.	INS.						
1		GRD G7									
1	a	3/8 x 224	88	6 7/8	88	9	P1	(62 3/4 W)			
1	b	3/4 x 12	88	6 7/8	88	9	P5				
1	c	1/2 x 20	88	5 3/8	88	9	P8				
2	sa2	1/2 x 12 1/2	4	6	36	3	P13				
1	sb2	1/2 x 12	2	6 1/2	36	0	P11				
2	sc2	3/8 x 5	2	6 1/2	36	0	P11				
1	sd2	1/2 x 20	5	6 1/2	40	0	P12				
2	sf2	1/2 x 9	5	6 1/2	40	0	P12				
2	fa2	1/2 x 6	4	6	36	0	SR				
1	fb2	1/2 x 12	1	3	36	0					
1	fc2	1/2 x 20	2	9	36	0					
1	ka3	1 x 9	5	0	35	4	P14	(38 W)			
1	ka2	1	1	1	1	1					
1	kb2	3/8 x 7	5	0	10	0	P1	(50 W) FIE			
3	kcG	1	4	8 1/2	1	1					
FIELD BOLTS FOR SHIPPING - HAND TIGHT											
4		3/4 x 25	3 3/4					TAP FLG			
4			4					BOTT FLG			
2			3 1/4					NIB			

MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F3  
FOR CAMP. DIAG SEE SHT F37

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRD DETAIL G7

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BLDG. BRIDGE OVER ANDROSTOCK RIVER  
PRESQUE ISLE, MAINE

ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2" \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT NONE \_\_\_\_\_

MADE BY T \_\_\_\_\_  
CHECKED BY JE \_\_\_\_\_  
DATE 5-11-81 \_\_\_\_\_

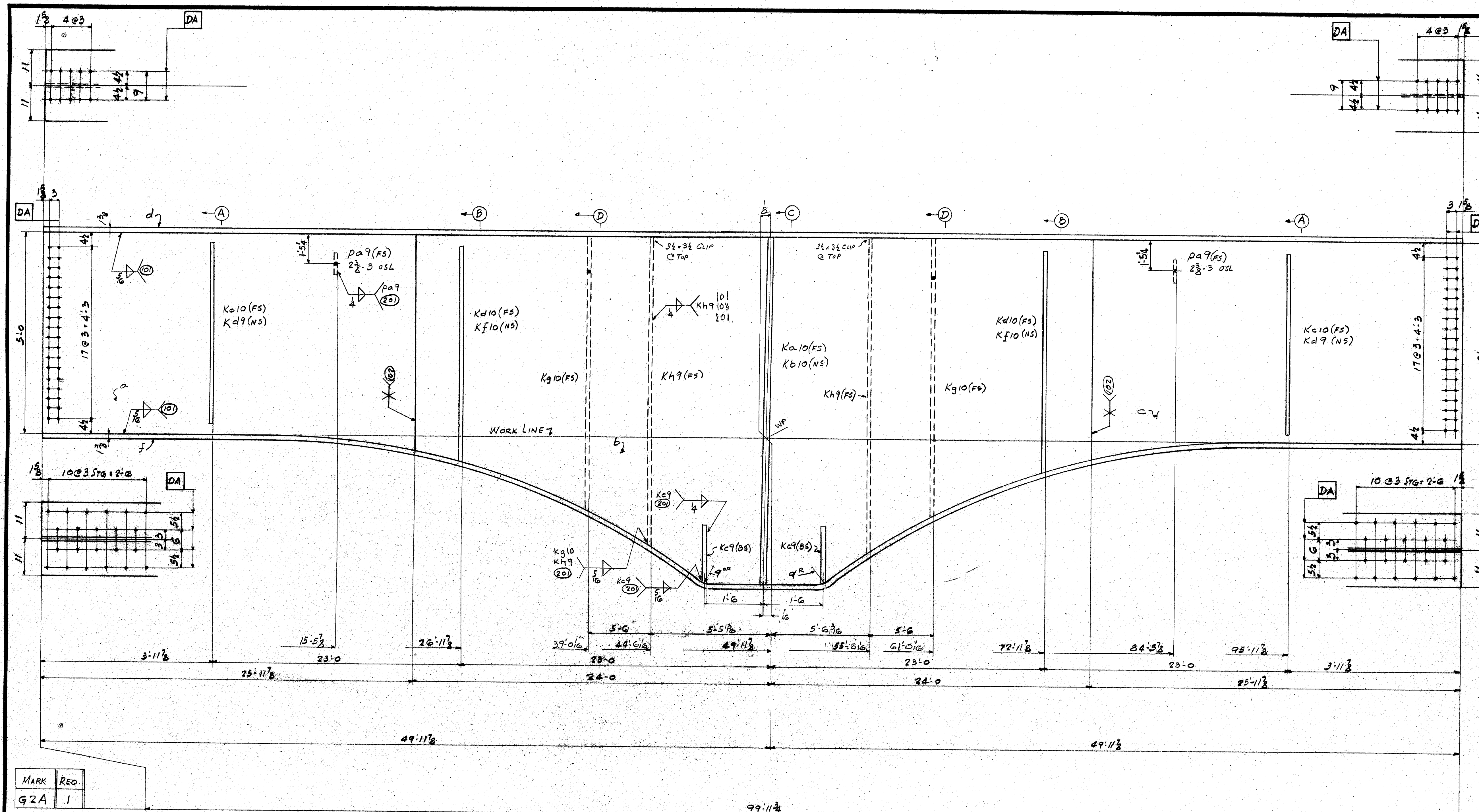
JOB NO. 202-81 SHEET NO. F8

177-101



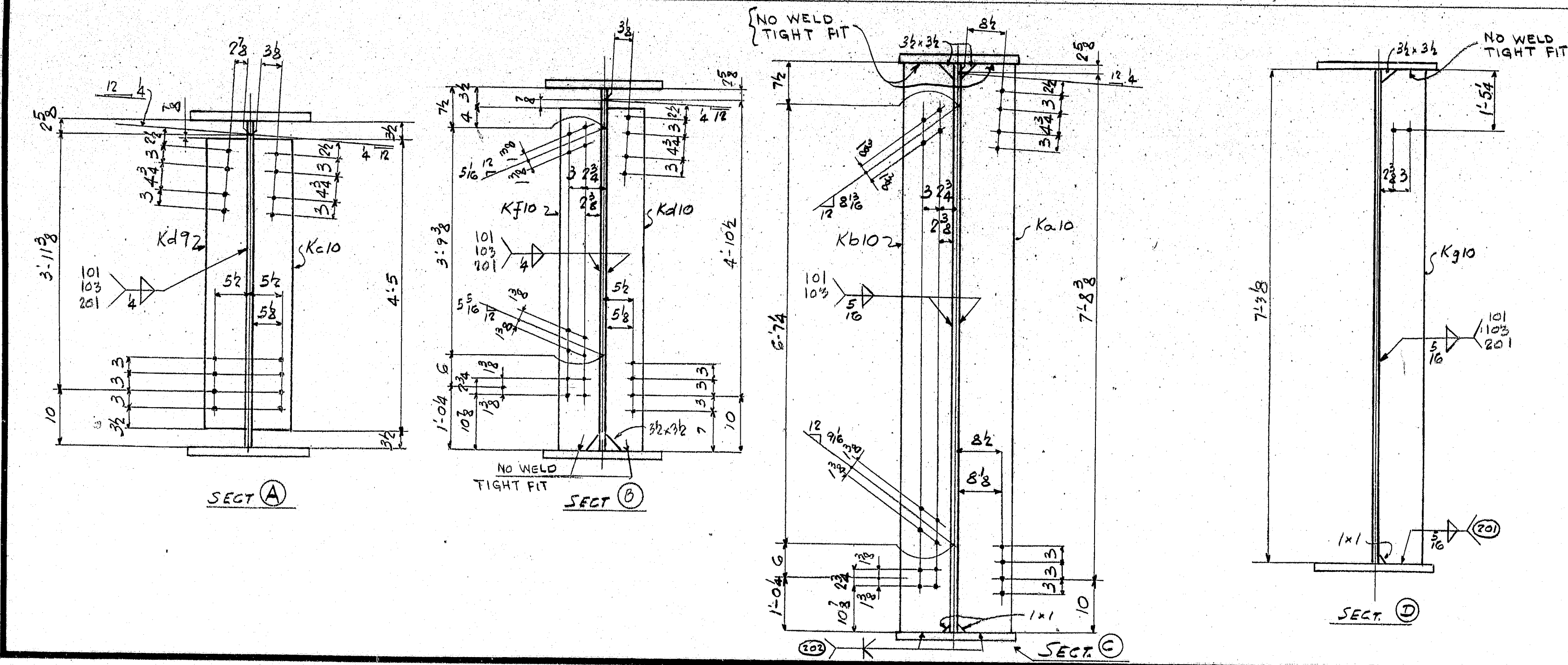






BILL OF MATERIAL									
AMT.	ASSM MARK	SHAPE	Cut Length FT. INS.	Ord. Length FT. INS.	ITEM NO.	REMARKS	WGT.		
1		4x10 G2A							
1	a	3/4 x 7 1/2	25 11 3/4	26 3	P3	(TLW)			
1	b	3/4 x 10 3/4	48 0	48 3	P4	(106W)			
1	c	3/4 x 7 1/2	25 11 3/4	26 3	P3	(TLW)			
1	d	1/2 x 22	99 11 3/4	100 3	P7				
1	f	1/2 x 22	100 6 3/4	101 0	P10	BENT			
1	Ka10	1 x 10	8 9	35 4	P16				
1	Kb10	1	1	1	1				
4	Kc9	3/4 x 10	1 6			OFF-SET			
2	Kh9	7 x 3/8	5 0 1/2	15 10	P3	(50W)			
2	Kd9	4 5	10 0	10 1	P1				
2	Ke10	4 5	12 0	12 1	P2				
2	Kf10	5 7 1/2	15 10	15 10	P3				
2	Kg10	7 3/8	15 10	15 10	P3				
2	Pa9	1/2 x 7	0 7		SK				

MARK	REQ.
G2A	1



MATL A588  
FOR FABRICATION NOTES SEE SH. F2  
FOR ASSEMBLY DIAG SEE SH. F39  
FOR CAMD. DIAG SEE SH. F37

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G2A

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BLDG. BRIDGE OVER ARROSTOCK RIVER  
PRESQUE ISLE, MAINE

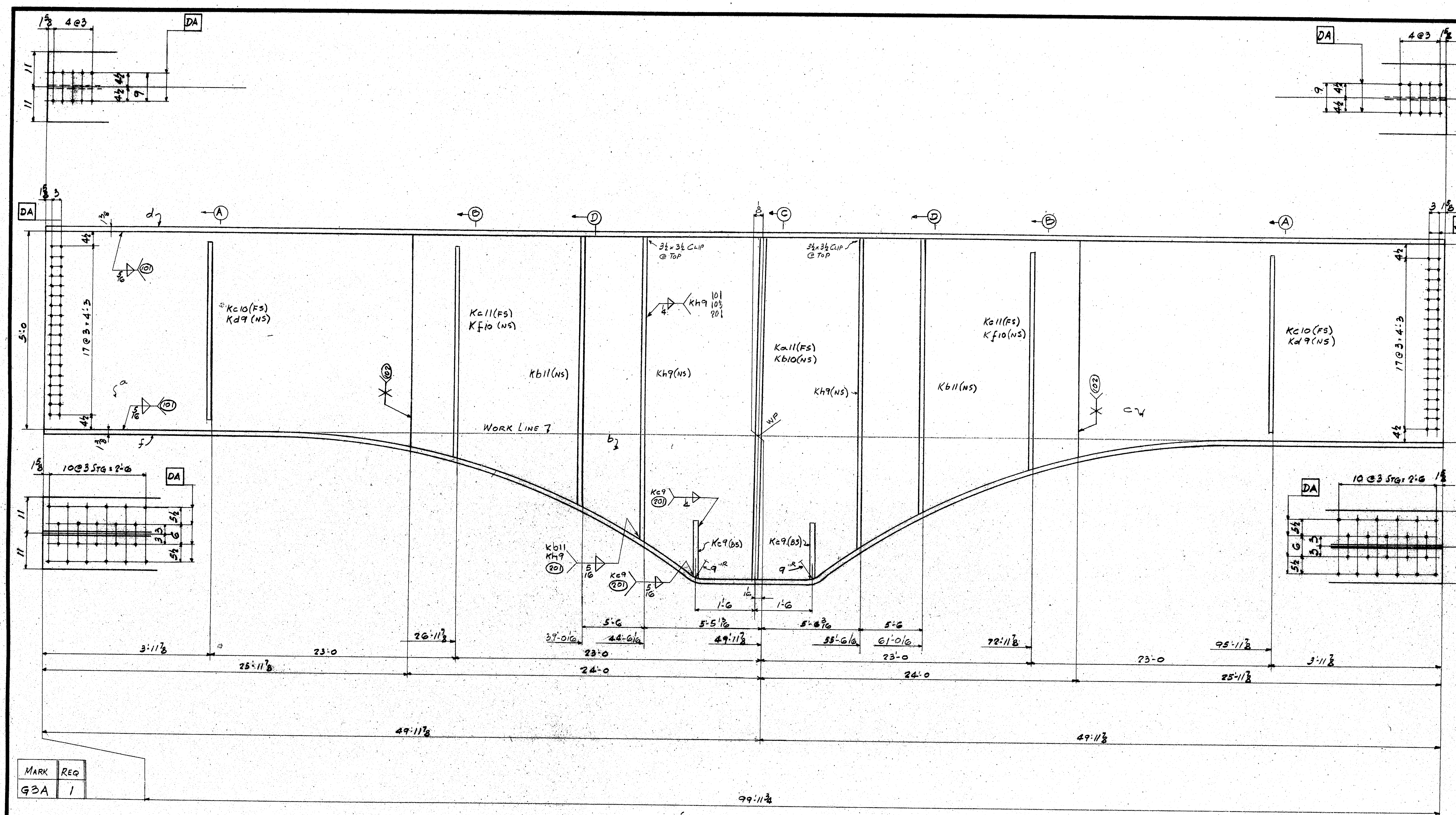
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/8" \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT NAME \_\_\_\_\_  
DATE 3-11-81

MADE BY T. \_\_\_\_\_  
CHECKED BY J.B. \_\_\_\_\_  
DATE 3-11-81

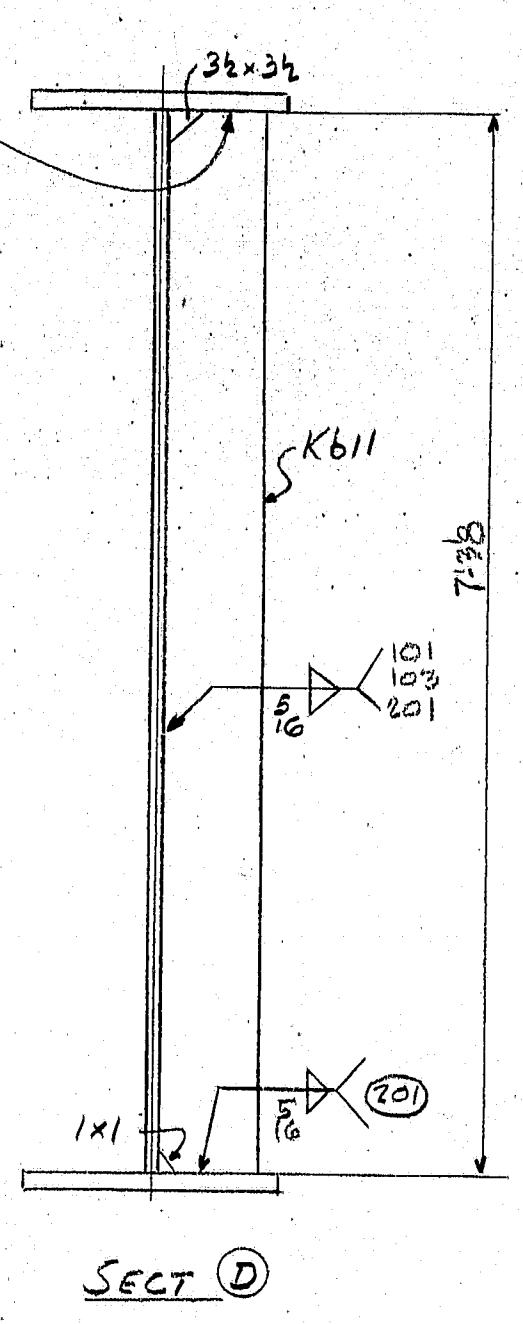
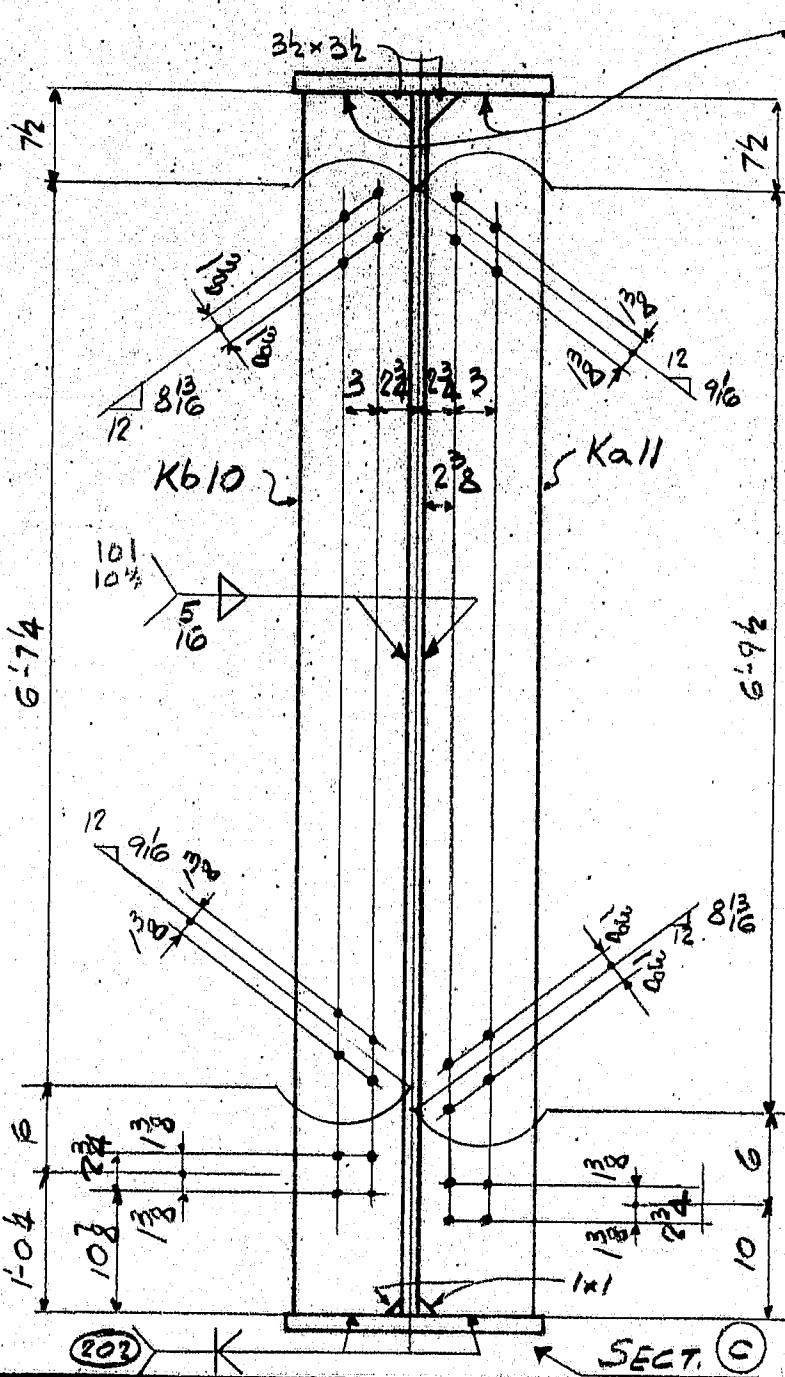
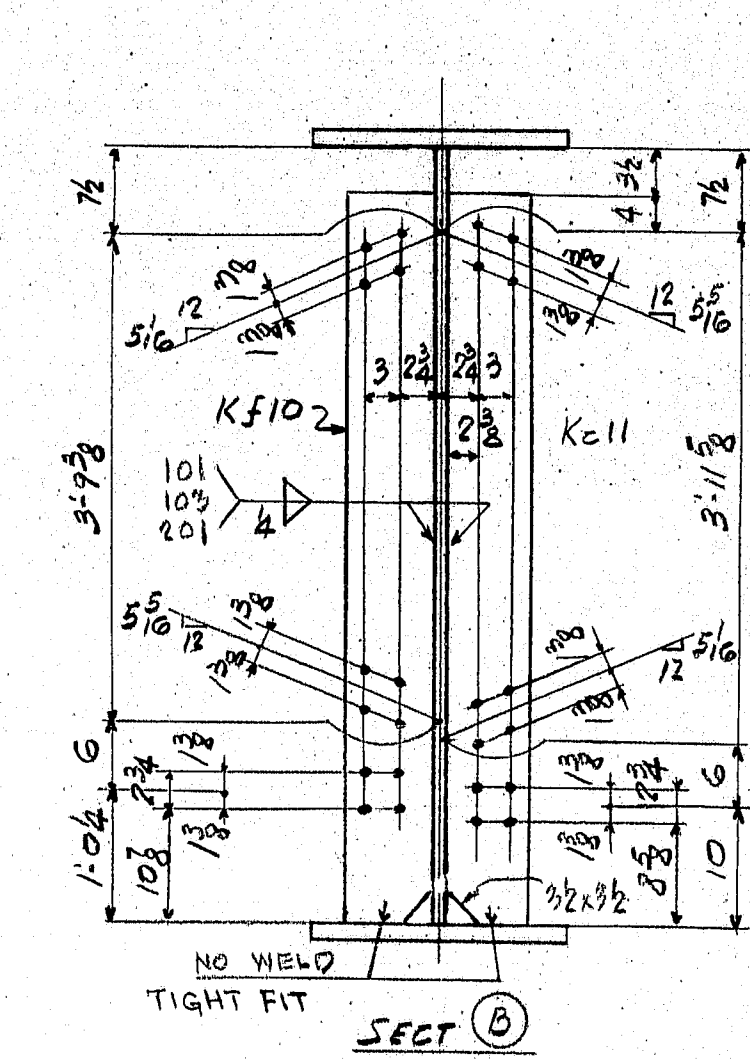
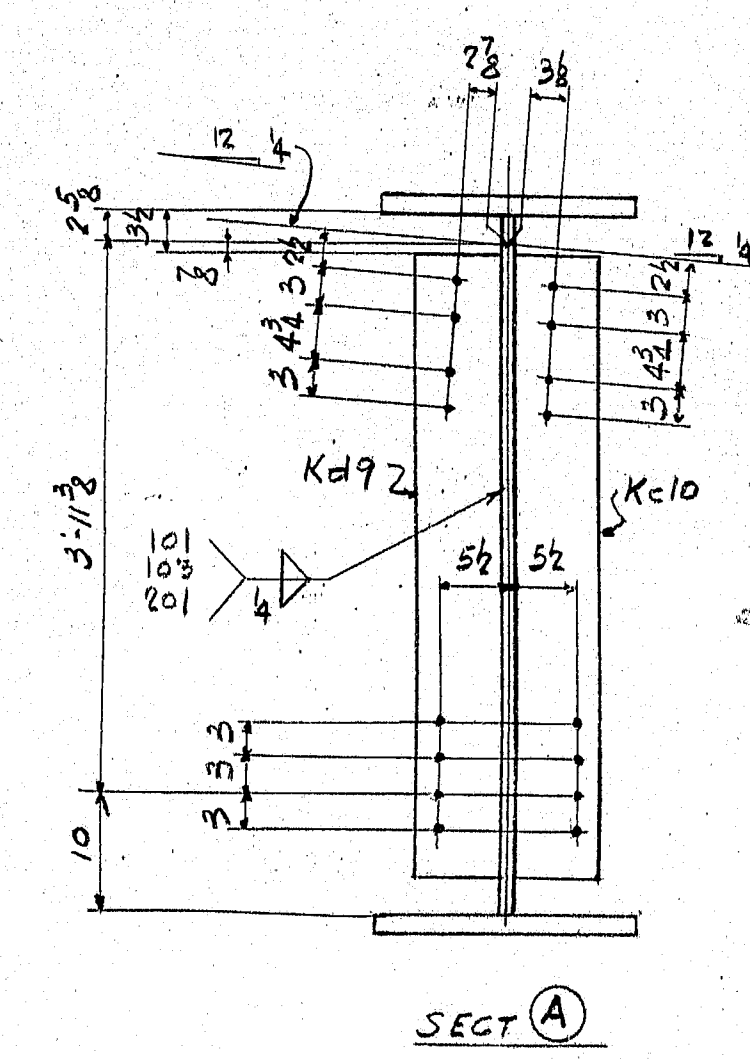
JOB NO. 202-81 SHEET NO. F10

177-103





MARK	REQ
G3A	1



BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	PLAN SHEET NO.	REMARKS	WGT.	
			FT.	INS.	FT.	INS.					
1		440 G3A									
1	a	3/4 x 7 1/2	25	11 1/2	26	3	P3		(72w)	(T)	
1	b	3/4 x 10 5/8	48	0	48	5	P4		(106w)		
1	c	3/4 x 7 1/2	25	11 1/2	26	3	P3		(72w)		
1	d	1 1/2 x 22	99	11 1/2	100	3	P7				
1	f		100	6 1/2	101	0	P10		BENT		
1											
1	Ka11	1 x 10	8	9	35	4	P16				
1	Kb10										
4	Kc9	3/4 x 10	1	6					OFFAL		
2	Kh9	7 x 3 1/2	8	0 1/2	15	10	P3		(50w)		
2	Kb11		7	5 1/2							
2	Kc11		5	7 1/2	12	0	P2				
2	Kf10		5	7 1/2							
2	Kc10		4	5	10	0	P1				
2	Kd9										

MATL 1588  
 FOR FABRICATION NOTES SEE SHT F2  
 FOR ASSEMBLY DIAG SEE SHT F39  
 FOR CAMO. DIAG SEE SHT F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GIRDER DETAILS G3A

**LYONS IRON WORKS, Inc.**  
 MANCHESTER, N. H.

BIDG. BRIDGE OVER ARROSTOCK RIVER  
 PRESQUE ISLE, MAINE

ARCH. \_\_\_\_\_  
 CONTR. \_\_\_\_\_  
 HOLES 1/8" \_\_\_\_\_  
 RIVETS \_\_\_\_\_  
 PAINT NAME \_\_\_\_\_

MADE BY T. \_\_\_\_\_  
 CHECKED BY J.B. \_\_\_\_\_  
 DATE 3-11-81

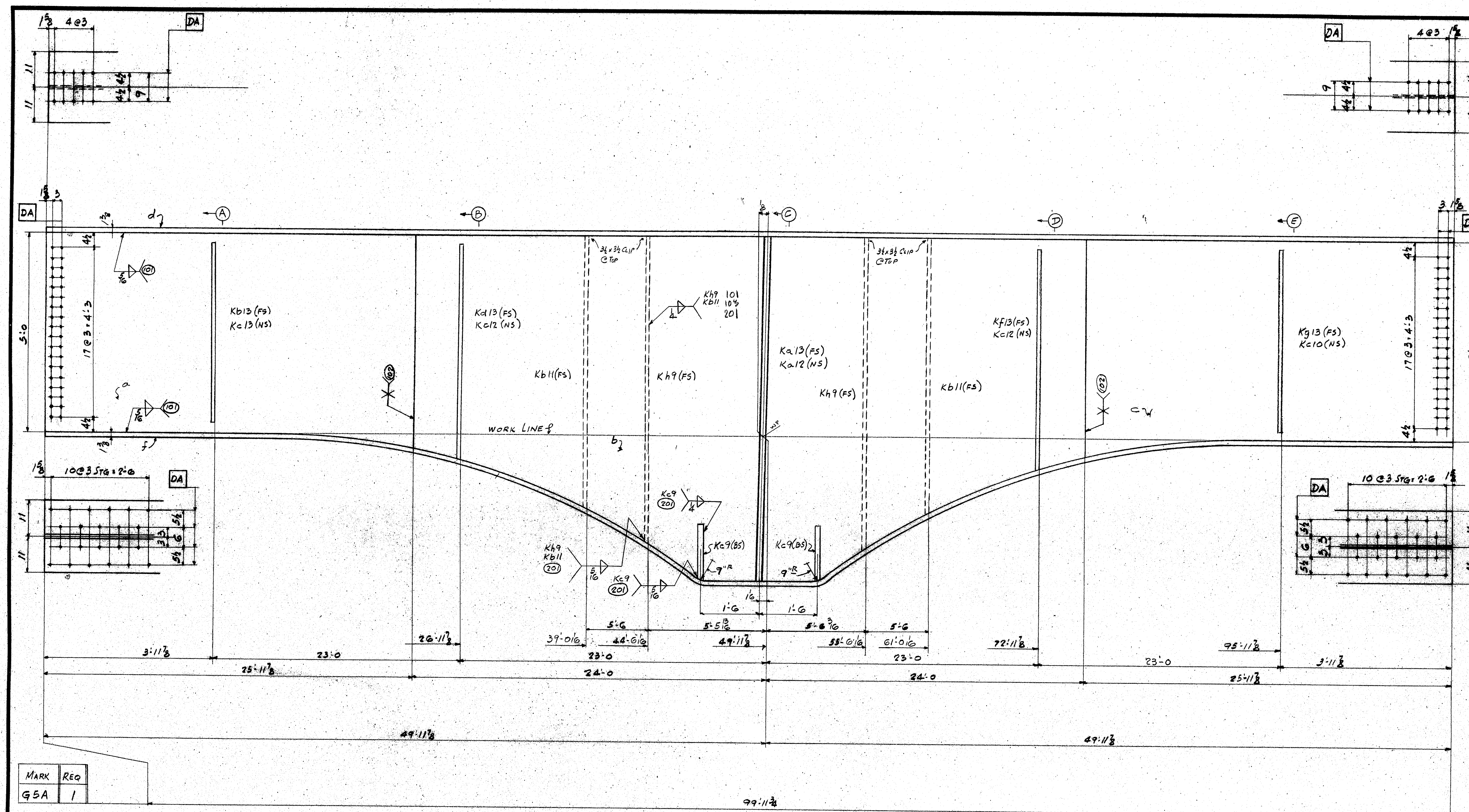
JOB NO. 202-81 SHEET NO. F11

177-104



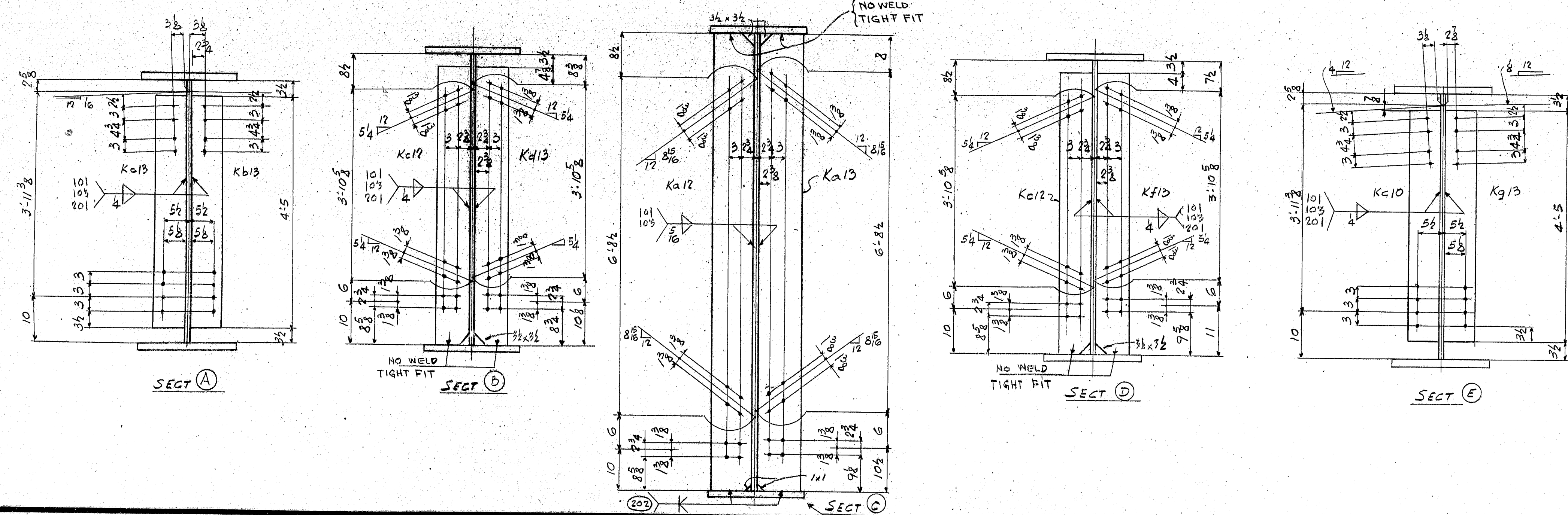






BILL OF MATERIAL									
AMT.	ASSM MARK	SHAPE	Cut Length FT. INS.	Ord. Length FT. INS.	ITEM NO.	REMARKS	WGT.		
1		GRD GSA							
1	a	3/4 x 7 1/2	25 11 3/8	26 3	P3	(72W)			
1	b	3/4 x 10 5/8	48 0	48 3	P4	(106W)			
1	c	3/4 x 7 1/2	25 11 3/8	26 3	P3	(72W)			
1	d	1 3/8 x 22	99 11 3/8	100 3	P7				
1	f		100 6 1/2	101 0	P10	BENT			
1	Ka12	1 x 10	8 9	35 4	P16				
1	Ka13								
4	Kc9	3/4 x 10	1 6			OFFAL			
1	Kb13	7 x 3 1/2	4 5	10 0	P1	(50W)			
1	Kd13		4 5	1 1	P1				
1	Kf13		5 7 3/8	12 0	P2				
1	Kg13		4 5	10 0	P1				
1	Kh13		5 7 3/8	12 0	P2				
1	Ki13		4 5	10 0	P1				
2	Kb11		7 3/8	15 10	P3				
2	Kh9		8 0 1/2	1 1	P1				

MARK	REQ
GSA	1



MATL 5588  
FOR FABRICATION NOTES SEE SH. F2  
FOR ASSEMBLY DIAG. SEE SH. F39  
FOR CAMO. DIAG. SEE SH. F31

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

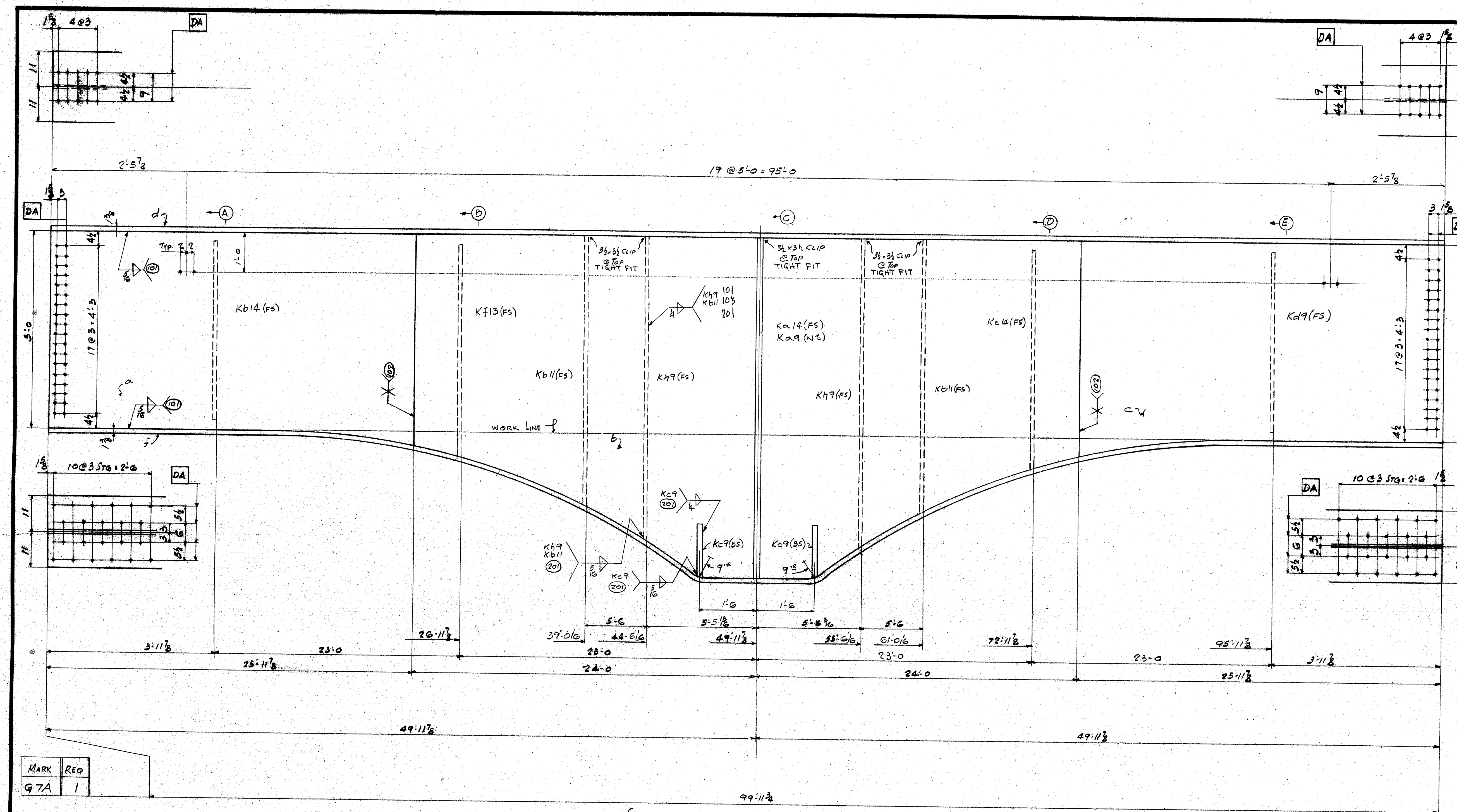
GIROER DETAILS GSA	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLDG. BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY T.
CONTR.	CHECKED BY JB
HOLES 1/2"	DATE 3-11-81
RIVETS	
PAINT NONE	
JOB NO. 202-81	SHEET NO. F13

177-103



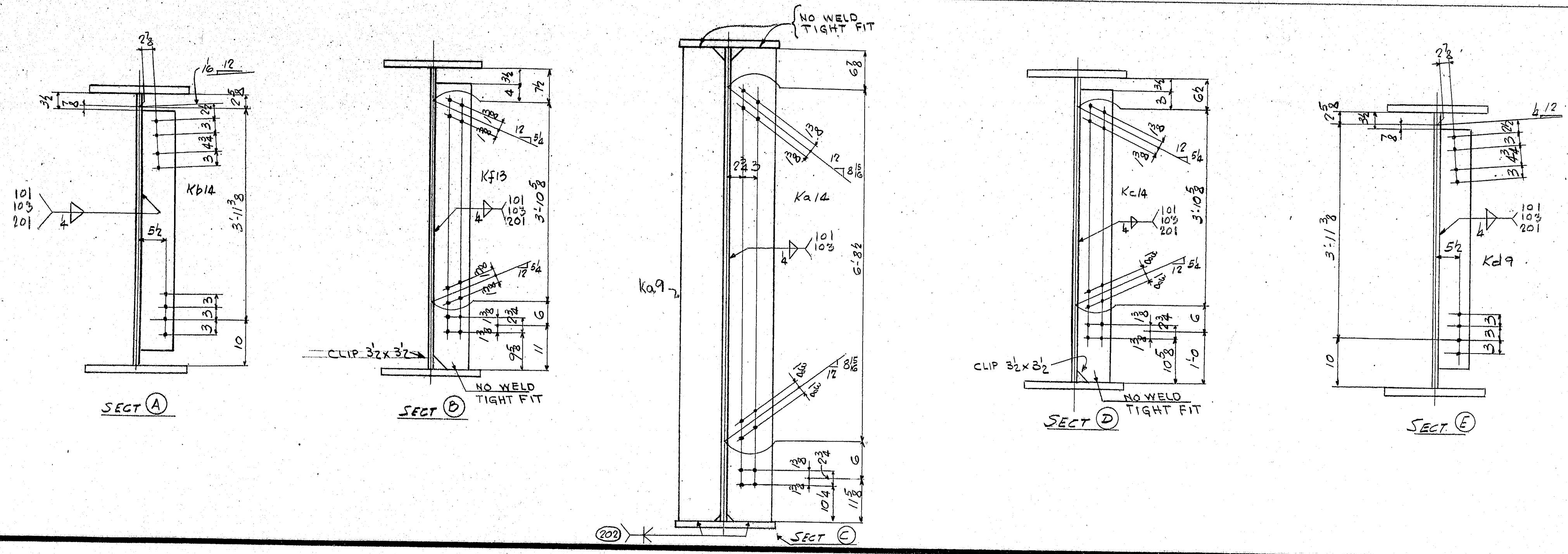






BILL OF MATERIAL									
AMT.	ASSEM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.
			FT.	INS.	FT.	INS.			
1		9x2 G7A							
1	a	3/4 x 7 1/2	25	1 1/2	26	3	P3	(71W)	
1	b	3/4 x 10 5/8	48	0	48	3	P4	(126W)	
1	c	3/4 x 7 1/2	25	1 1/2	26	3	P3	(71W)	
1	d	1 3/8 x 22	99	11 3/4	100	3	P7		
1	f	1	100	6 1/2	101	0	P10		
1	Ka9	1 x 10	3	9	35	4	P16	FIE	
1	Ka14	1	1	1	1	1	J	FIE	
4	Kc9	3/4 x 10	1	0				OFFAL	
1	Kb14	7 x 3/8	4	5	10	0	P1	(52W)	
1	Kf13		5	7 3/8	12	0	P2	FIE	
1	Kc14		1	1	1	1	L	FIE	
1	Ka9		4	5	10	0	P1		
2	Kb11		7	3 3/8	15	10	P3	FIE	
2	K49		8	0 1/2	1	1	1	FIE	

MARK	REQ
G7A	1



MAYL 1588  
FOR FABRICATION NOTES SEE SH. F2  
FOR ASSEMBLY DIAG SEE SH. F39  
FOR CAMD. DIAG. SEE SH. F37

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G7A

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BIDG. BRIDGE OVER ARCADET RIVER  
PRESQUE ISLE, MAINE

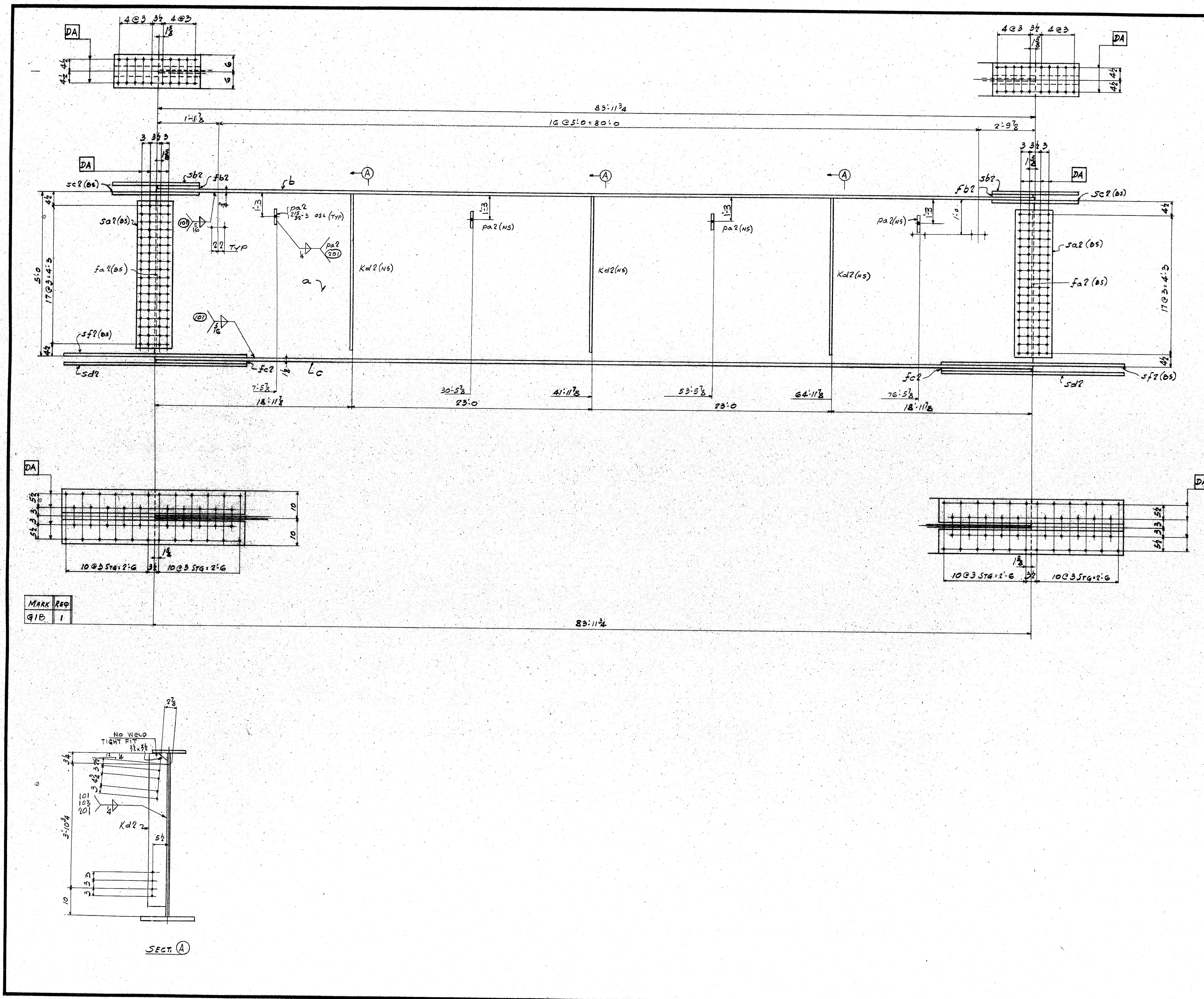
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2"

MADE BY T  
RIVETS \_\_\_\_\_  
PAINT NONE  
DATE 5-11-81

JOB NO. 202-81  
SHEET NO. F15

177-108





BILL OF MATERIAL									
AMT.	ASSM MARK	SHAPE	Cut Length FT. INS.	Ord. Length FT. INS.	ITEM NO.	REMARKS	WGT.		
1		GRD. GIB							
1	a	1/2" x 6 1/2"	83	11 3/4	84	P2	(GIBAW)		
1	b	3/4" x 12	83	11 3/4	84	P6			
1	c	1/2" x 20	83	11 3/4	84	P9			
4	sa2	1/2" x 12 1/2	4	6	30	P13			
2	sb2	1/2" x 12	2	6 1/2	30	P11			
4	sc2	1/2" x 5	2	6 1/2	30	SK			
2	sd2	1/2" x 20	5	6 1/2	40	P12			
4	sf2	1/2" x 9	3	6 1/2					
4	fa2	1/2" x 6	4	6		SK			
2	fb2	1/2" x 12	1	3					
2	fc2	1/2" x 20	2	9					
3	kd2	3/8" x 7	4	8 1/2	10	P1	(SDW)		
4	pa2	1/2" x 7	0	7		SK			
FIELD BOLTS FOR SHIPPING - HAND TIGHT									
8		1/2" x 3/4" A325	3 1/2	7		TOP FLG			
8		1/2" x 3/4" A325	4		TYPE 3	BOTT FLG			
4		1/2" x 3/4" A325	3 1/2			WED			
20		1/2" x 3/4" A325				WASHERS			

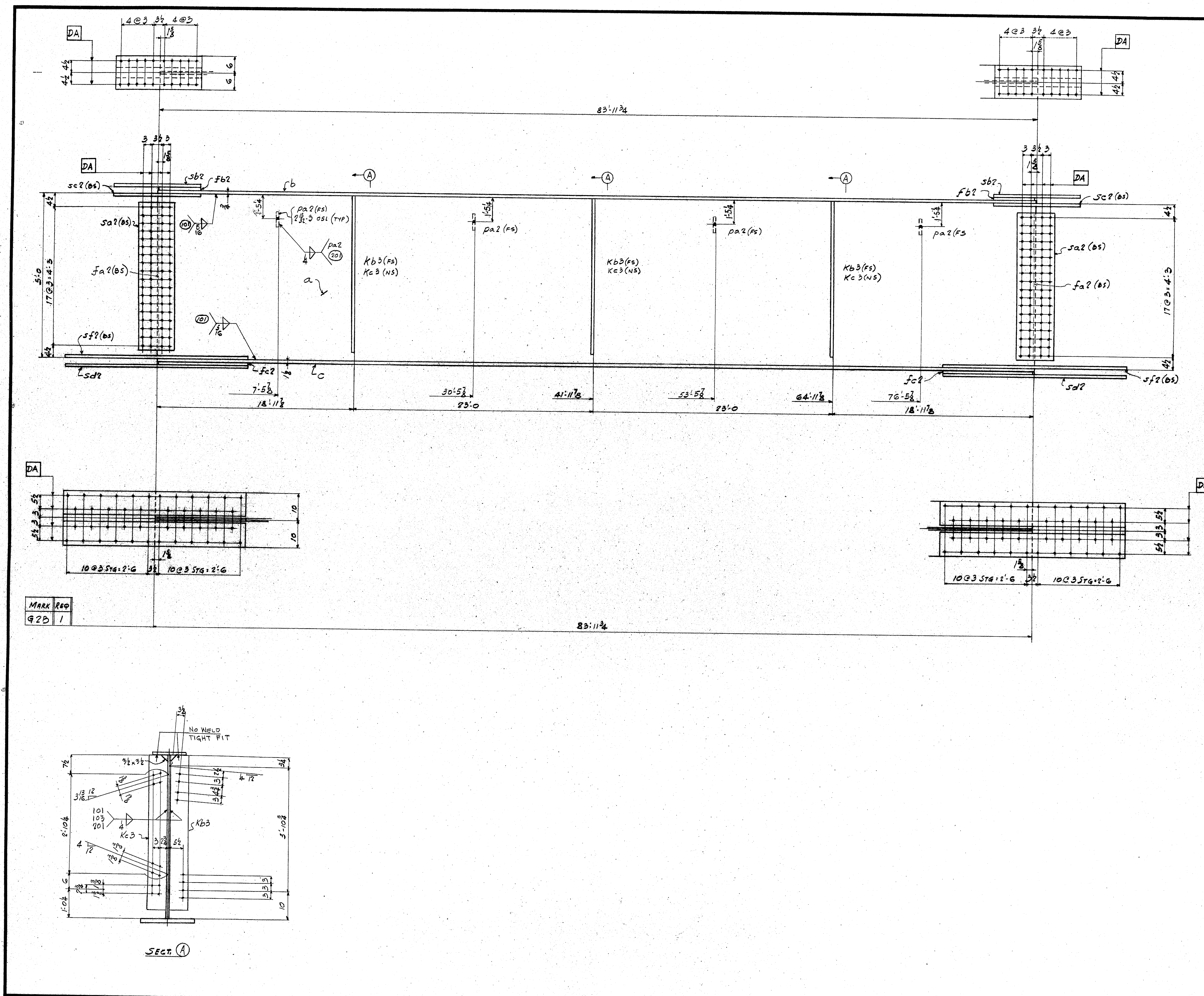
MATL A588  
 FOR FABRICATION NOTES SEE SH. F2  
 FOR ASSEMBLY DIAG SEE SH. F39  
 FOR CAMP. DIAG SEE SH. F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GRD. DETAIL		GIB
LYONS IRON WORKS, Inc. MANCHESTER, N. H.		
BLDG. BRIDGE OVER PROOSTTOWN RIVER PRESQUE ISLE, MAINE		
ARCH.	CONTR.	MADE BY
HOLES 1/2"		JB
RIVETS	CHECKED BY	DATE
PAINT NONE		5-1-81
JOB NO. 202-81	SHEET NO.	F16

177-109





BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		GRD. G2D									
1	a	7/8" x 6 1/2"	83	11 3/4	84	3	P2	(@ 3/4 W) (1)			
1	b	3/4" x 12	83	11 3/4	84	3	P6	(1)			
1	c	1/8" x 20	83	11 3/4	1	1	P9	(1)			
4	sa2	1/2" x 12 1/2	4	6	56	3	P13				
2	sb2	1/2" x 12	2	6 1/2	56	0	P11				
4	sc2	3/8" x 5	2	6 1/2	56	0	SK				
2	sd2	1/2" x 20	5	6 1/2	40	0	P17				
4	sf2	3/8" x 9	5	6 1/2				OFFAL			
4	fa2	1/2" x 6	4	6			SK				
2	fb2	1/2" x 12	1	3							
2	fc2	1/2" x 20	2	9							
3	Kb3	3/8" x 7	4	8 1/2	10	0	P1	(50W)			
3	Kc3	1	1	1	1	1					
4	pa2	1/2" x 7	0	7			SK				
FIELD BOLTS FOR SHIPPING - HAND TIGHT											
8		1/2" x A325	3 1/2					TOP FLG			
8			4					BOTT FLG			
4			3 1/2					NBS			
20								WINNERS			

MATL A588  
 FOR FABRICATION NOTES SEE SHT. F2  
 FOR ASSEMBLY DIAG SEE SHT. F39  
 FOR CAMB. DIAG SEE SHT. F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GRD. DETAIL G2D

**LYONS IRON WORKS, Inc.**  
 MANCHESTER, N. H.

Bldg. BRIDGE OVER BROOKLINE RIVER  
 PRESQUE ISLE, MAINE

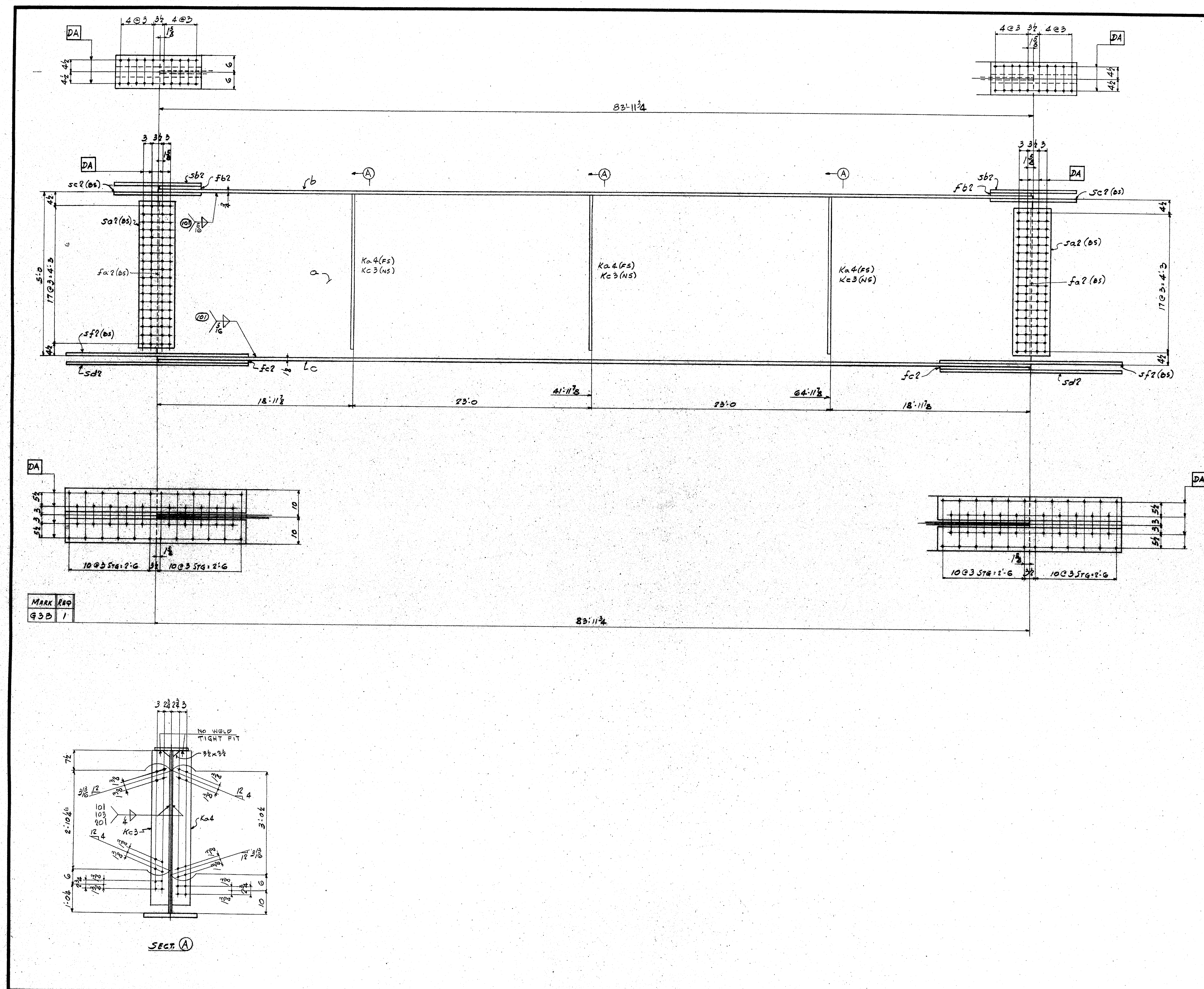
ARCH. \_\_\_\_\_  
 CONTR. \_\_\_\_\_  
 MOLES 1/2"  
 RIVETS \_\_\_\_\_  
 PAINT NONE

MADE BY TJB  
 CHECKED BY JJB  
 DATE 5-11-81

JOB NO. 202-81 SHEET NO. F17

177-110





BILL OF MATERIAL										
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.	
			FT.	INS.	FT.	INS.				
1		GRD. G3B								
1	a	7/8 x 6 1/2	83	11 3/4	84	3	P2	(G134W) (T)		
1	b	3/4 x 12	83	11 3/4	84	3	P6			
1	c	1/8 x 20	83	11 3/4	1	1	P9			
4	Sa 2	1/2 x 19 1/2	4	6	36	3	P13			
2	Sb 2	1/2 x 12	2	6 1/2	36	0	P11			
4	Sc 2	3/8 x 5	2	6 1/2	36	0	P12			
2	Sd 2	1/2 x 20	5	6 1/2	40	0	P14			
4	Sf 2	3/8 x 9	5	6 1/2				OFFAL		
4	Fa 2	1/2 x 6	4	6						
2	Fb 2	1/2 x 12	1	6						
2	Fc 2	1/2 x 20	2	9						
3	Kc 3	3/8 x 7	4	8 1/2	10	0	P1	(50W)		
3	Ka 4	1	1	1	1	1	L			
FIELD BOLTS FOR SHIPPING - HAND TIGHT										
8		1/4 x A325	3 1/2					TOP FLG		
8			4					BOT. FLG		
4			3 1/2					NUTS		
20								WASHERS		

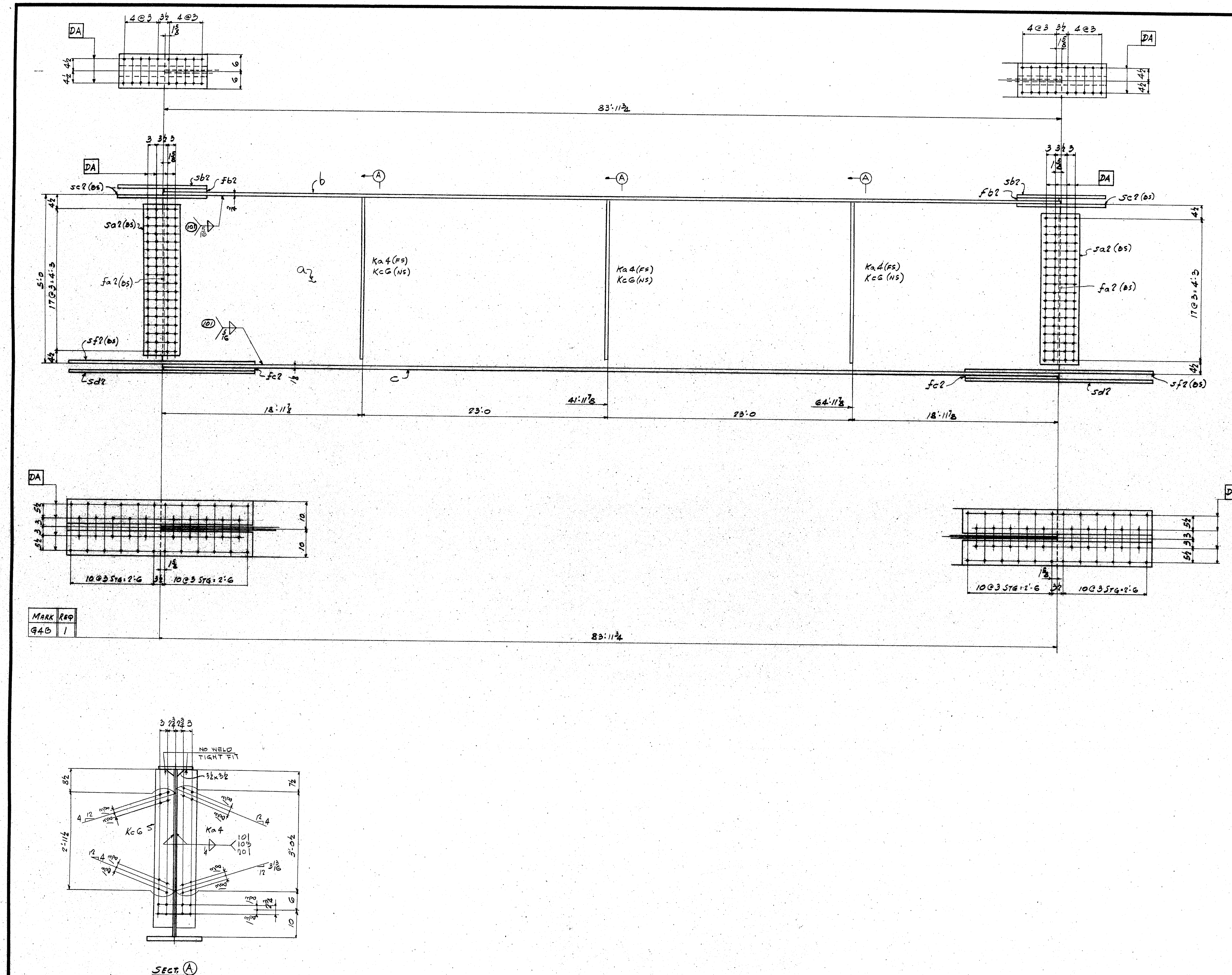
MATL A588  
 FOR FABRICATION NOTES SEE SH. F2  
 FOR ASSEMBLY DIAG SEE SH. F39  
 FOR CAMB. DIAG SEE SH. F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GRD. DETAIL		G3B
LYONS IRON WORKS, Inc. MANCHESTER, N. H.		
BLDG. BRIDGE OVER BROOKSTON RIVER PRESQUE ISLE, MAINE		
ARCH.		
CONTR.		
HOLES	1/8"	MADE BY TJB
RIVETS		CHECKED BY JLB
PAINT	NONE	DATE 3-1-81
JOB NO. 202-81	SHEET NO. F18	

177-111





BILL OF MATERIAL											
AMT.	ASSEM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		GRD. G4B									
1	a	7/8 x 6 1/2	83	11 3/4	84	3	P2	(6 1/2 W)			
1	b	3/4 x 12	83	11 3/4	84	3	P2				
1	c	1/8 x 20	83	11 3/4			P2				
4	sa 2	1/2 x 12 1/2	4	6	36	3	P13				
2	sb 2	1/2 x 12	2	6 1/2	36	0	P11				
4	sc 2	3/8 x 5	2	6 1/2	36	0	SK				
2	sd 2	1/2 x 20	3	6 1/2	40	0	P14				
4	sf 2	3/4 x 9	5	6 1/2				OFFAL			
4	fa 2	3/8 x 6	4	6			SK				
2	fb 2	3/8 x 12	1	3							
2	fc 2	1/2 x 20	2	9							
3	ka 4	3/8 x 7	4	8 1/2	10	0	P1	(5 W)			
3	kg 6										
FIELD BOLTS FOR SHIPPING - HAND TIGHT											
8		3/4 x A325	3 1/2					TOP FLG			
8			4					BOTT FLG			
4			3 1/2					WEB			
20								WASHERS			

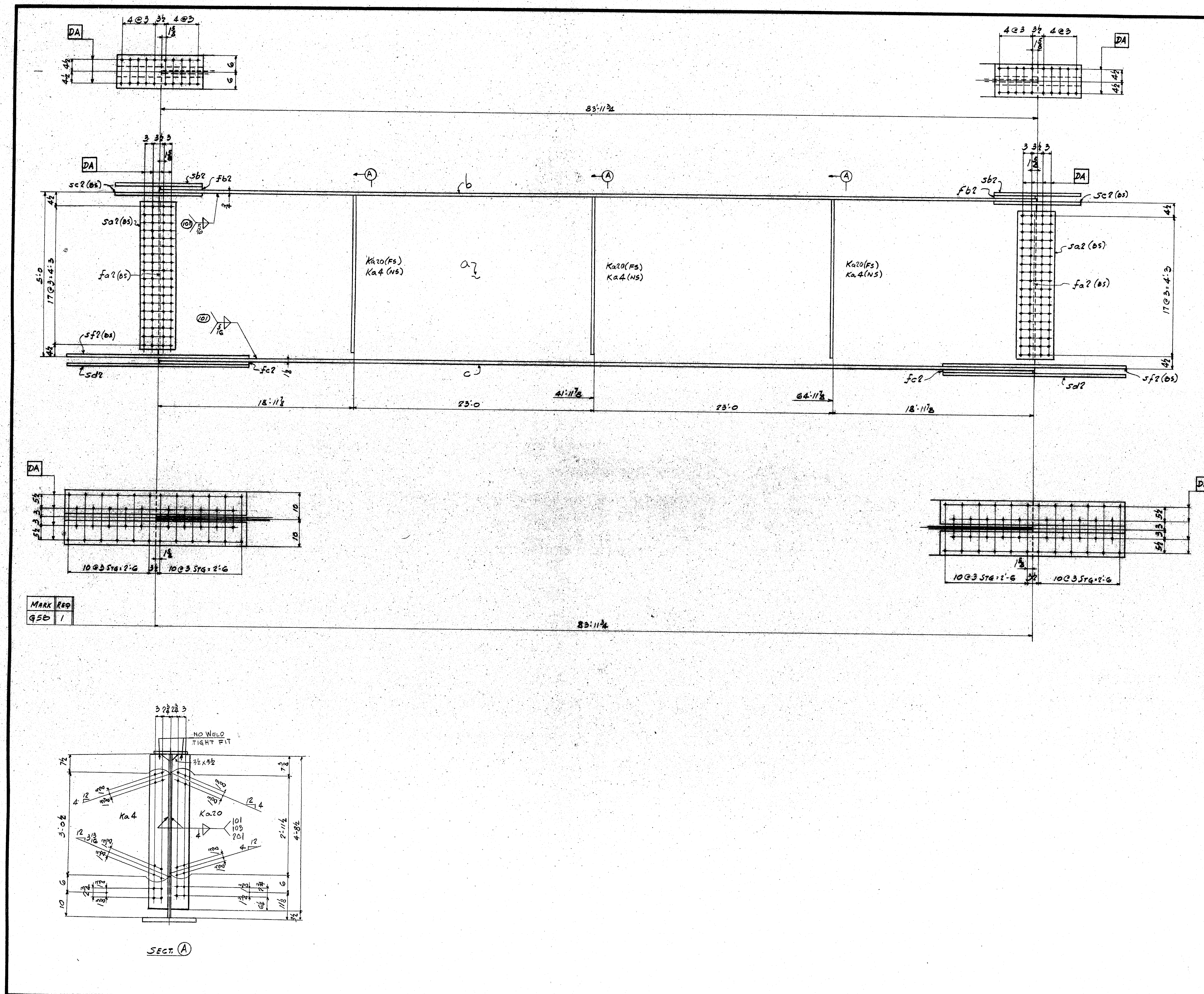
MATL. A588  
 FOR FABRICATION NOTES SEE SHT. F2  
 FOR ASSEMBLY DIAG. SEE SHT. F39  
 FOR CAMB. DIAG. SEE SHT. F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GRD. DETAIL		G4B
LYONS IRON WORKS, Inc.		
MANCHESTER, N. H.		
BLDG. BRIDGE OVER PROSPERITY RIVER		
PRESQUE ISLE, MAINE		
ARCH.	MADE BY	7
CONTR.	CHECKED BY	13
HOLES	DATE	3-11-81
PAINT	None	
JOB NO. 202-81	SHEET NO. F19	

172-112





BILL OF MATERIAL									
AMT.	ASSM. MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.
			FT.	INS.	FT.	INS.			
1		4x4x1/2							
1	a	1/2x6x1/2	23	11 3/4	24	0	P2	(6x1/2) (7)	
1	b	1/2x12	23	11 3/4	24	0	P6	(7)	
1	c	1/2x20	23	11 3/4	24	0	P1	(7)	
4	sa2	1/2x12	4	6	36	3	P3		
2	sb2	1/2x12	2	6	36	0	P11		
4	sc2	1/2x5	2	6	36	0	SK		
2	sd2	1/2x20	5	6	40	0	P12		
4	sf2	1/2x9	3	6				OFFAL	
4	fa2	1/2x6	4	6			SK		
2	fb2	1/2x12	1	6					
2	fc2	1/2x20	2	9					
3	ka4	1/2x7	4	3/4	10	0	P1	(50W)	
3	ka20	1	1	1	1	1			
FIELD BOLTS FOR SHIPPING - HAND TIGHT									
8		1/2x13/16	3/4				TYPE 3	TOP FLG	
8		1/2	4				TYPE 3	BOTT FLG	
4		1/2	3/4					NIB	
20		1/2	WASHERS						

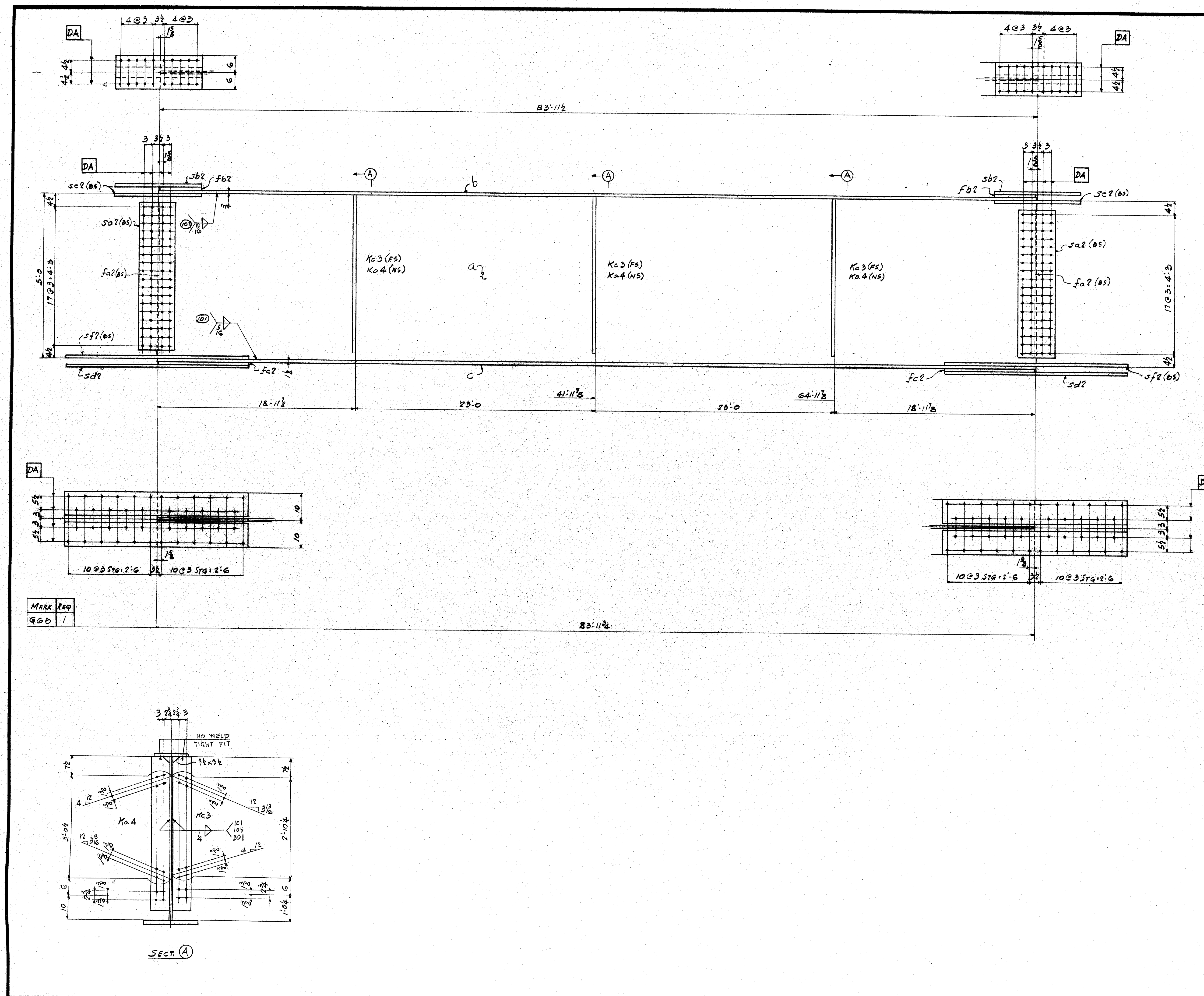
MATL: A588  
FOR FABRICATION NOTES SEE SH. F2  
FOR ASSEMBLY DIAG SEE SH. F39  
FOR CAMB. DIAG SEE SH. F37

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRD. DETAIL	G50
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLDG. BRIDGE OVER PROOSTON RIVER PRESQUE ISLE, MAINE	
ARCH.	
CONTR.	
HOLES	1/2"
RIVETS	MADE BY TJB
PAINT	CHECKED BY
	DATE 5-11-81
JOB NO. 202-81	SHEET NO. F20

177-113





BILL OF MATERIAL										
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.	
			FT.	INS.	FT.	INS.				
1		GRD. GGB								
1	a	7/8 x 6 1/2	83	11 3/4	84	3	P2	(61 3/4 W) (T)		
1	b	3/4 x 12	83	11 1/2	84	3	P6			
1	c	1/8 x 20	83	11 3/4	1	1	P9			
4	sa2	1/2 x 12 1/2	4	6	36	3	P13			
2	sb2	1/2 x 12	2	6 1/2	36	0	P11			
4	sc2	3/8 x 5	2	6 1/2	36	0	P11			
2	sd2	1/2 x 20	5	6 1/2	40	0	P12			
4	sf2	3/4 x 9	3	6 1/2				OFFAL		
4	fa2	3/8 x 6	4	6			SK			
2	fb2	3/8 x 12	1	3						
2	fc2	1/2 x 20	2	9						
3	Ka4	3/8 x 7	4	8 1/2	10	0	P1	(35W)		
3	Kc3		1	1	1	1				
FIELD BOLTS FOR SHIPPING - HAND TIGHT										
8		1/2" A325	3 1/2					TWO FLG		
8			4					TYPE 3		
4			3 1/2					BOTT FLG		
20		WASHERS						WEB		

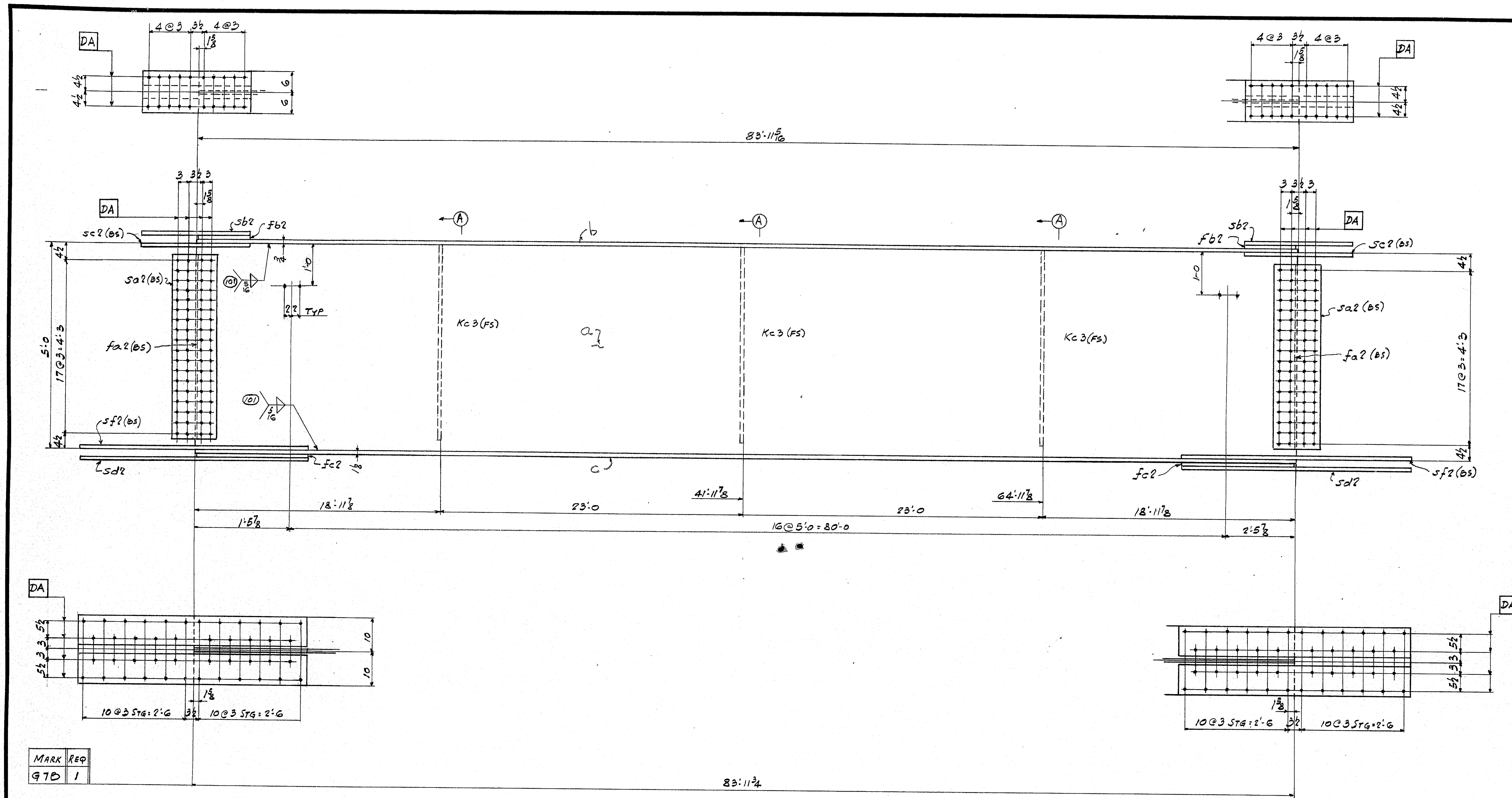
MATL: A588  
 FOR FABRICATION NOTES SEE SHT. F2  
 FOR ASSEMBLY DIAG SEE SHT. F39  
 FOR CAMP. DIAG SEE SHT. F37

APPROVED FOR CONSTRUCTION  
 DATE: 3/13/81

GRD. DETAIL		GGB
LYONS IRON WORKS, Inc. MANCHESTER, N. H.		
BLDG. BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE		
ARCH.		
CONTR.		
HOLES	1/2"	MADE BY T
RIVETS		CHECKED BY JB
PAINT	None	DATE 3-11-81
JOB NO. 202-81	SHEET NO. F21	

177-114





BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		GRD. 970									
1	a	1/2" x 6 1/2"	83	11 3/4	84	3	P2	(6134W) ①			
1	b	3/4" x 12	83	11 3/4	84	3	P6	①			
1	c	1/8" x 20	83	11 3/4	1	1	P9	①			
4	sa 2	1/2" x 12 1/2	4	6	36	3	P13	①			
2	sb 2	1/2" x 12	2	6 1/2	36	0	P11	①			
4	sc 2	3/8" x 5	2	6 1/2	36	0	SK	①			
2	sd 2	1/2" x 20	3	6 1/2	40	0	P12	①			
4	sf 2	3/4" x 9	5	6 1/2				OFFAL ①			
4	fa 2	1/2" x 6	4	6			SK				
2	fb 2	1/2" x 12	1	3							
2	fc 2	1/8" x 20	2	9							
3	Kc 3	3/8" x 7	4	8 1/2	10	0	P1	(50W) FIE			
FIELD BOLTS FOR SHIPPING - HAND TIGHT											
8		3/4" A325	3/4"		4		TYPE 3	TOP FLG			
8		3/4"			4			BOTT FLG			
4		3/4"						WEB			
10		A325 W4HR5	3/4"								

MATL A588  
 FOR FABRICATION NOTES SEE SH. F2  
 FOR ASSEMBLY DIAG SEE SH. F  
 FOR CAMB. DIAG SEE SH. F37

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GRD. DETAIL 970

**LYONS IRON WORKS, Inc.**  
 MANCHESTER, N. H.

BLDG. BRIDGE OVER ARROSTOCK RIVER  
 PRESQUE ISLE, MAINE

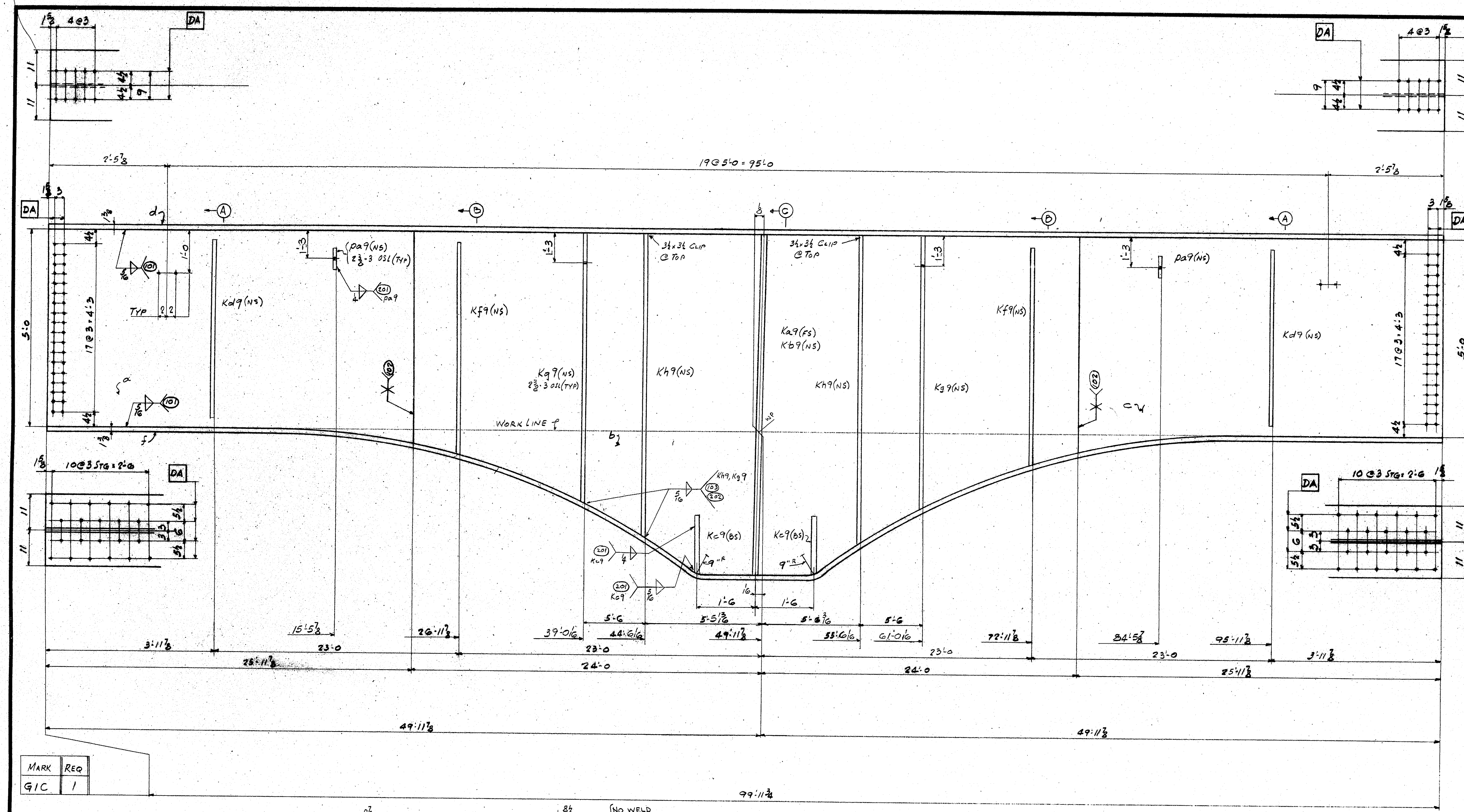
ARCH. \_\_\_\_\_  
 CONTR. \_\_\_\_\_  
 HOLES 1/8" # \_\_\_\_\_  
 RIVETS \_\_\_\_\_  
 PAINT None \_\_\_\_\_

MADE BY T \_\_\_\_\_  
 CHECKED BY J.B. \_\_\_\_\_  
 DATE 5-11-81 \_\_\_\_\_

JOB NO. 202-81 SHEET NO. F22

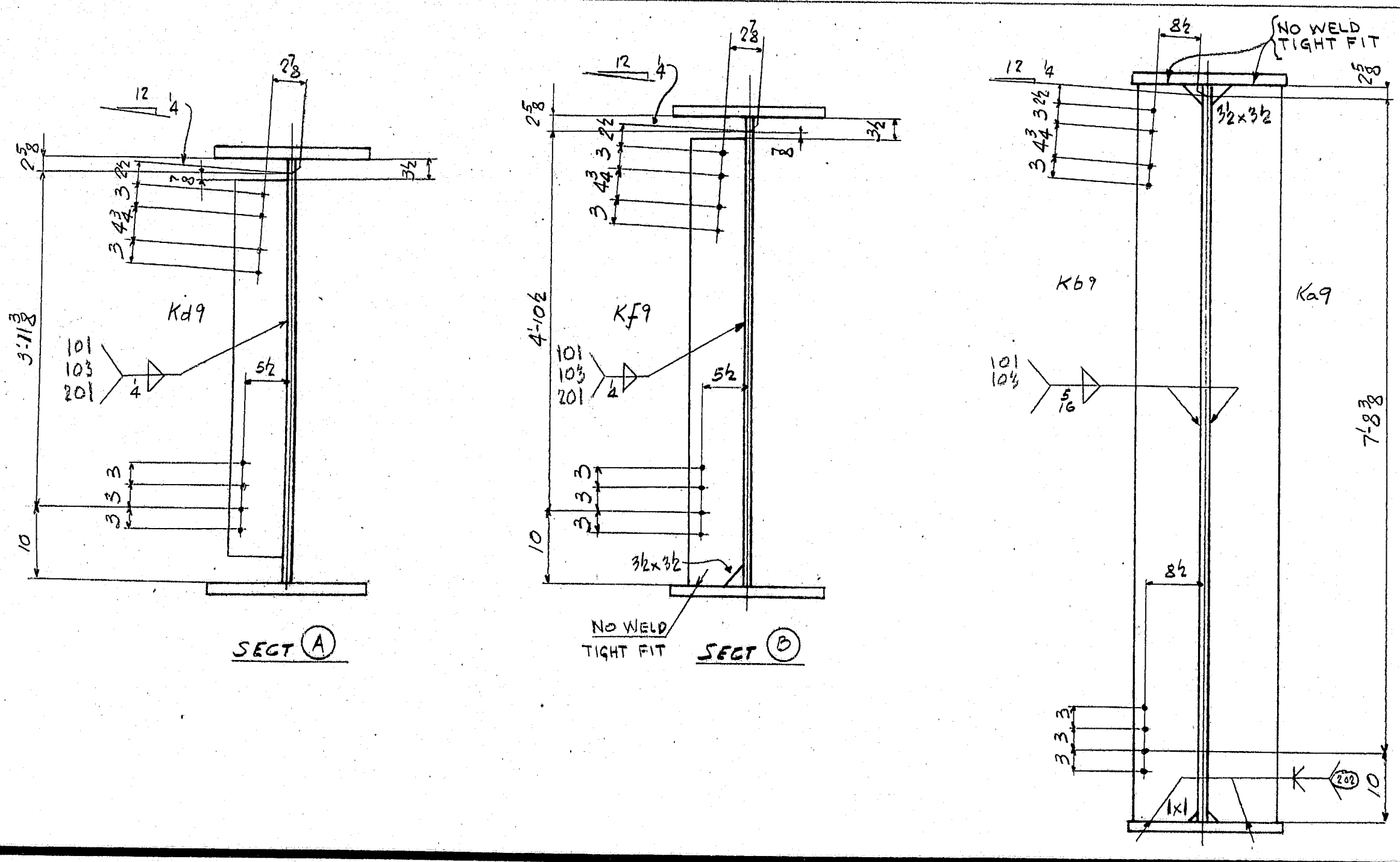
177-115





BILL OF MATERIAL									
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.
			FT.	INS.	FT.	INS.			
1		4x12 GIC							
1	a	3/4 x 7 1/2	25	11 3/4	26	3	P3	(75W)	
1	b	3/4 x 10 5/8	48	0	48	3	P4	(106W)	
1	c	3/4 x 7 1/2	25	11 3/4	26	3	P3	(75W)	
1	d	1/2 x 22	99	11 3/4	100	3	P7		
1	f	1	100	6 1/2	101	0	P10		
1	Ka9	1 x 10	8	9	35	4	P16		
1	Kb9	1	1	1	1	1			
4	Kc9	3/4 x 10	1	6				OFFAL	
2	Kd9	7 x 3/8	4	5	10	0	P1	(50W)	
2	Kf9	1	5	7 3/8	12	0	P2		
2	Kg9	1	7	3 3/8	15	10	P3		
2	Kh9	1	8	0 1/2	1	1			
2	Pa9	2 x 7	0	7			SK		

MARK	REQ
GIC	1



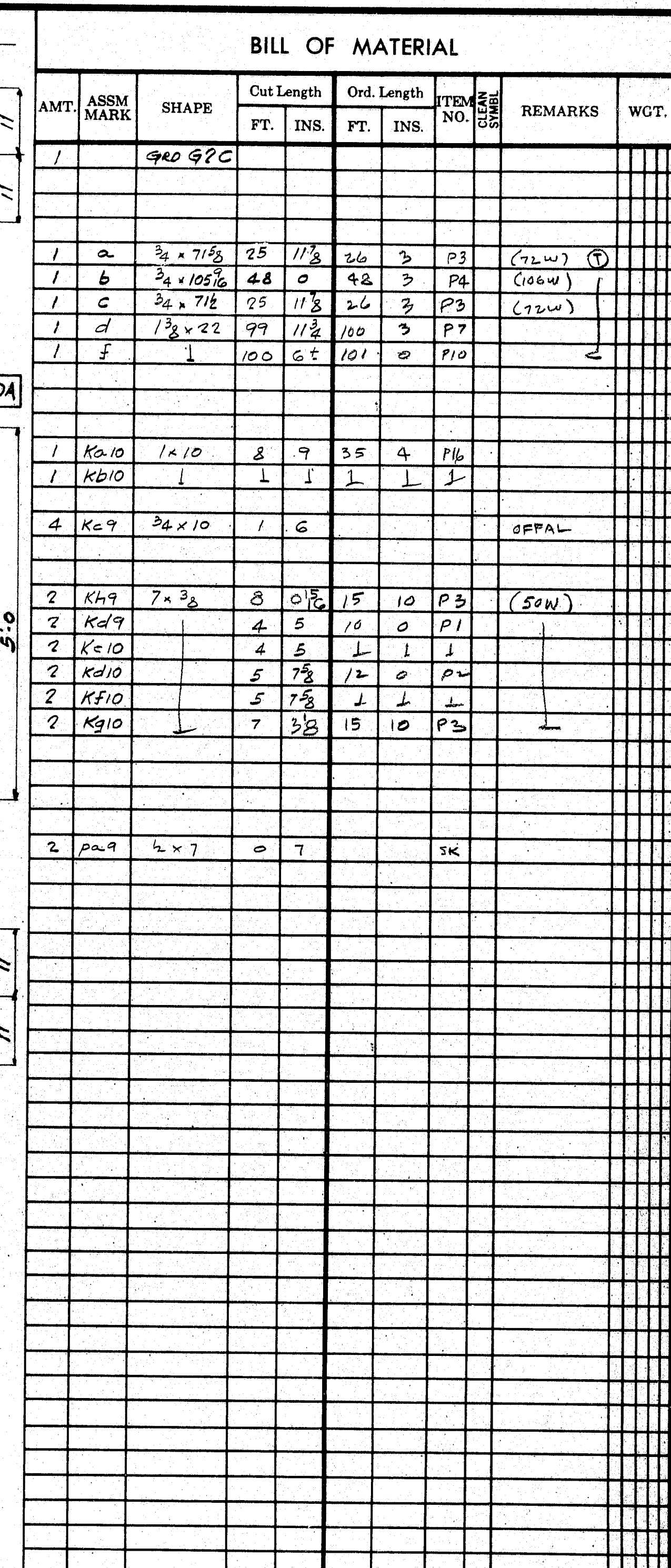
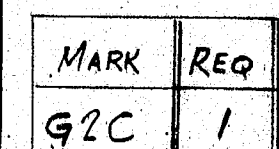
MATL A588  
 FOR FABRICATION NOTES SEE SH. F2  
 FOR ASSEMBLY DIAG SEE SH. F39  
 FOR CAMD DIAG SEE SH. F38

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GIRDER DETAILS GIC	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLDG. BRIDGE OVER BROOKS RIVER PRESQUE ISLE, MAINE	
ARCH.	
CONTR.	
HOLES 1/2"	MADE BY T
RIVETS	CHECKED BY JB
PAINT NONE	DATE 3-11-81
JOB NO. 202-81	SHEET NO. F23

177-116





MATL. A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F39  
FOR CAMD. DIAG. SEE SHT. F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G2C

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

B.L.D. BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

ARCH.

CONTR. 15

HOLDS <sup>15</sup> 75 <sub>10</sub> MADE BY T

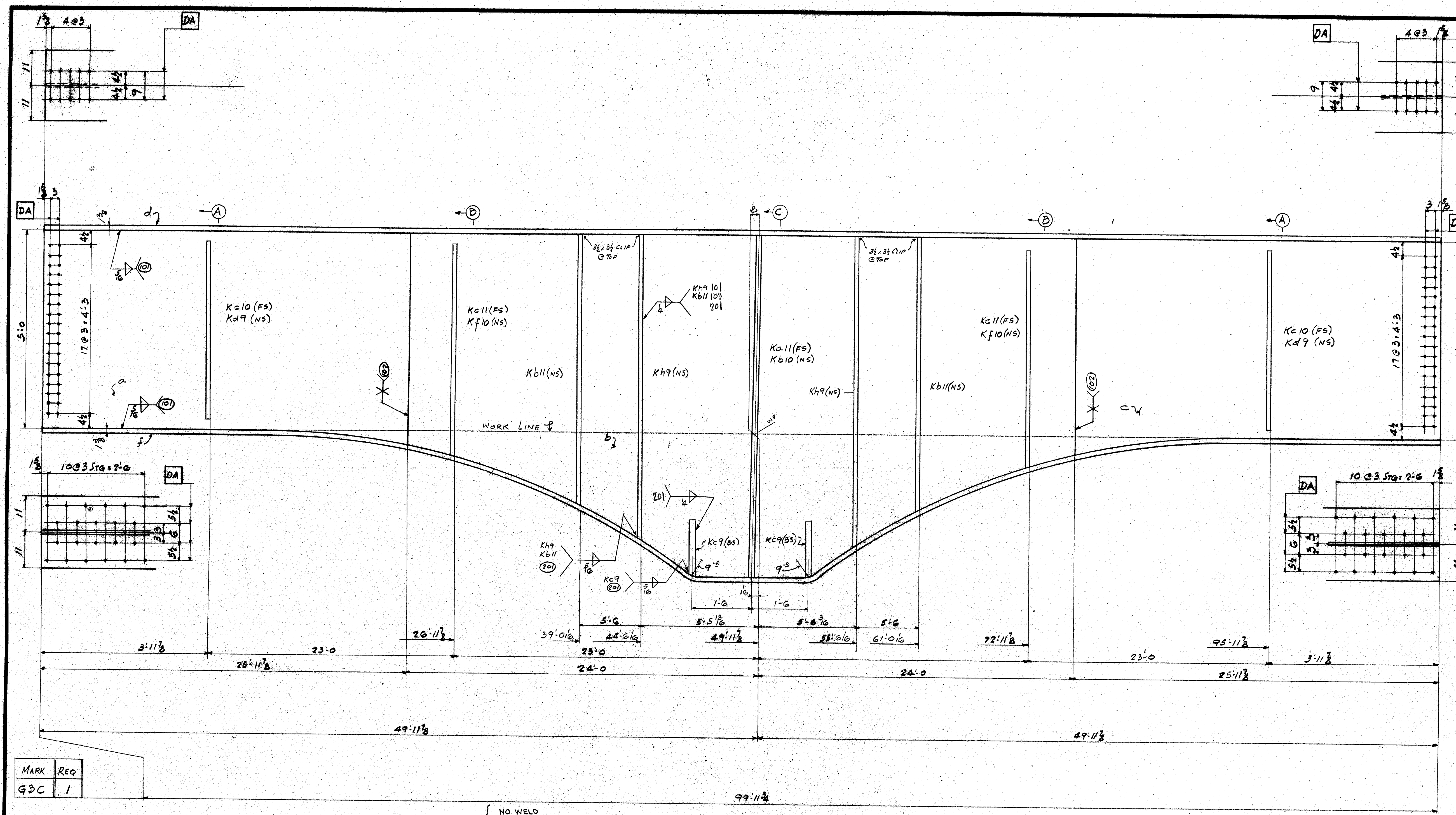
RIVETS ..... CHECKED BY JB

PAINT *NONE* DATE *3-11-8*

JOB NO. 202-81 SHEET NO. F24

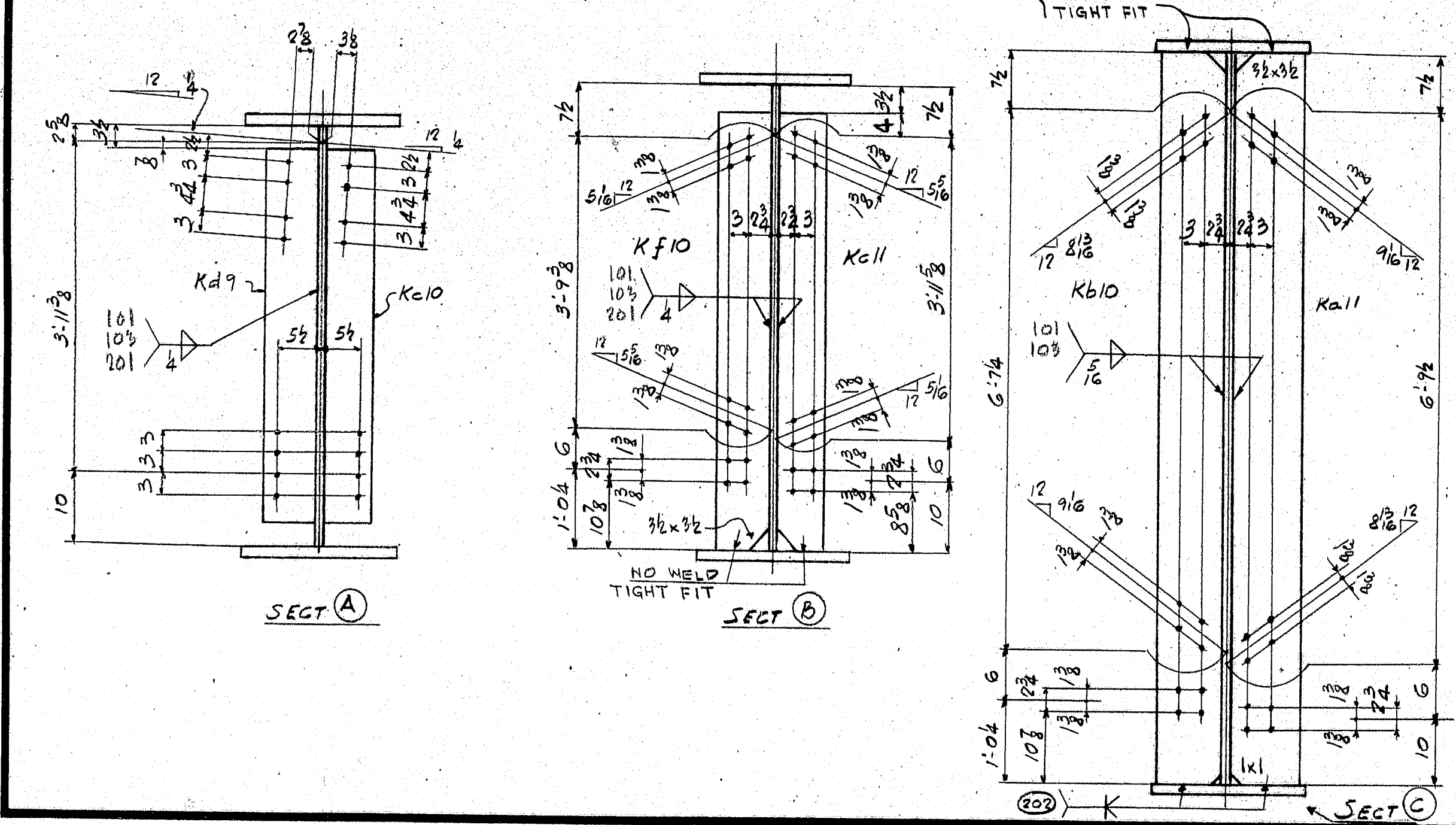
177-117





BILL OF MATERIAL											
AMT.	ASST. MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		4x10 G3C									
1	a	3/4 x 7 1/2	25	11 1/2	26	3	P3	(12W)			
1	b	3/4 x 10 5/8	48	0	48	3	P4	(106W)			
1	c	3/4 x 7 1/2	25	11 1/2	26	3	P3	(12W)			
1	d	1/2 x 22	99	11 1/2	100	3	P7				
1	f		100	6 1/2	101	0	P10	BENT			
1	Ka11	1 x 10	8	9	25	4	P16				
1	Kb10										
4	Kc9	3/4 x 10	1	6				OFFAL			
2	Kd9	7 x 3/8	8	0 1/2	15	10	P3	(5W)			
2	Kb11		7	3 3/8	1	1					
2	Kc11		5	7 1/2	12	0	P2				
2	Kf10		5	7 1/2	1	1					
2	Kc10		4	5	10	0	P1				
2	Kd9		1	1	1	1					

MARK	REQ
G3C	1



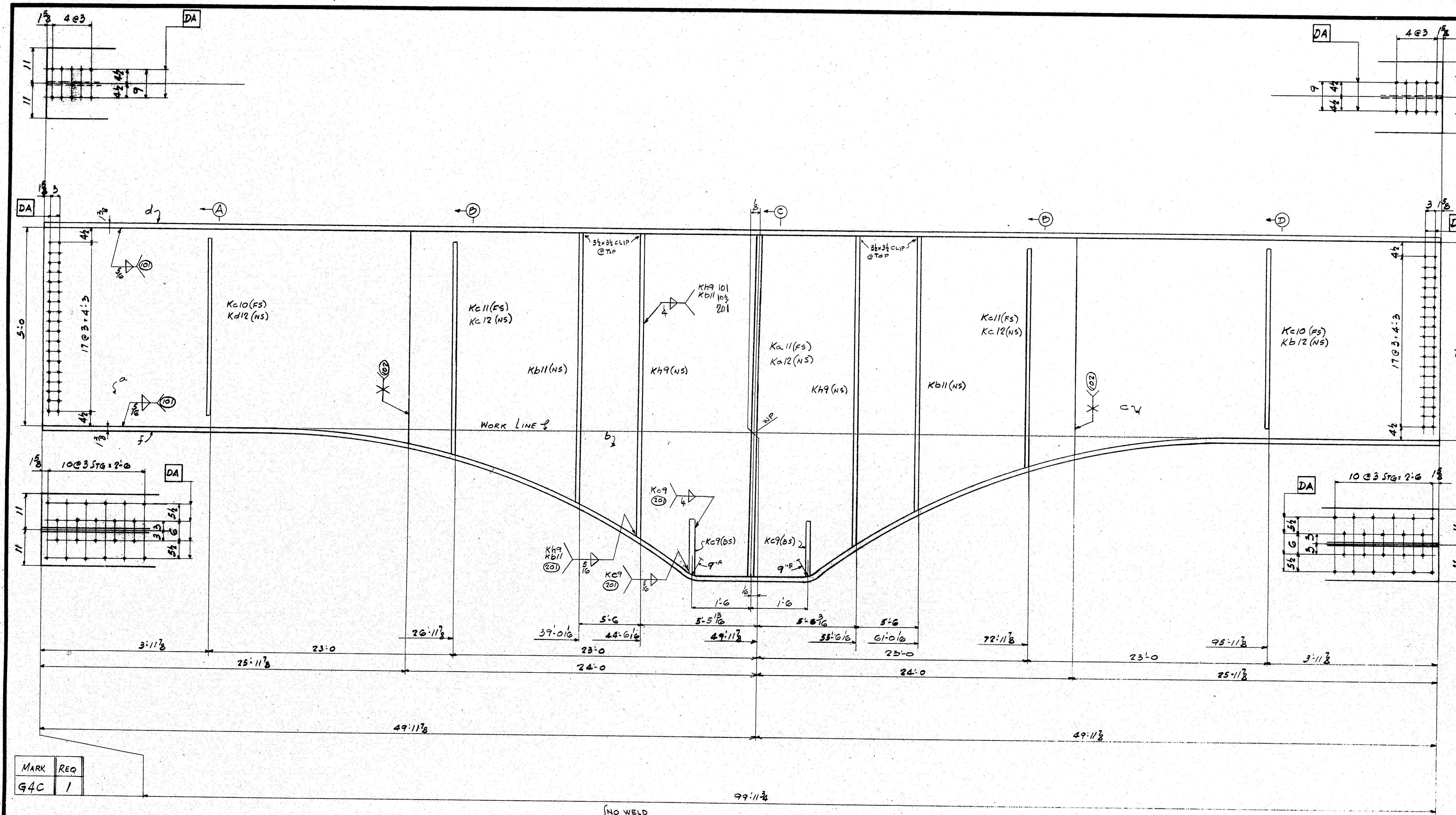
MATL A588  
 FOR FABRICATION NOTES SEE SHT F2  
 FOR ASSEMBLY DIAG SEE SHT F39  
 FOR CAMD. DIAG. SEE SHT. F38

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

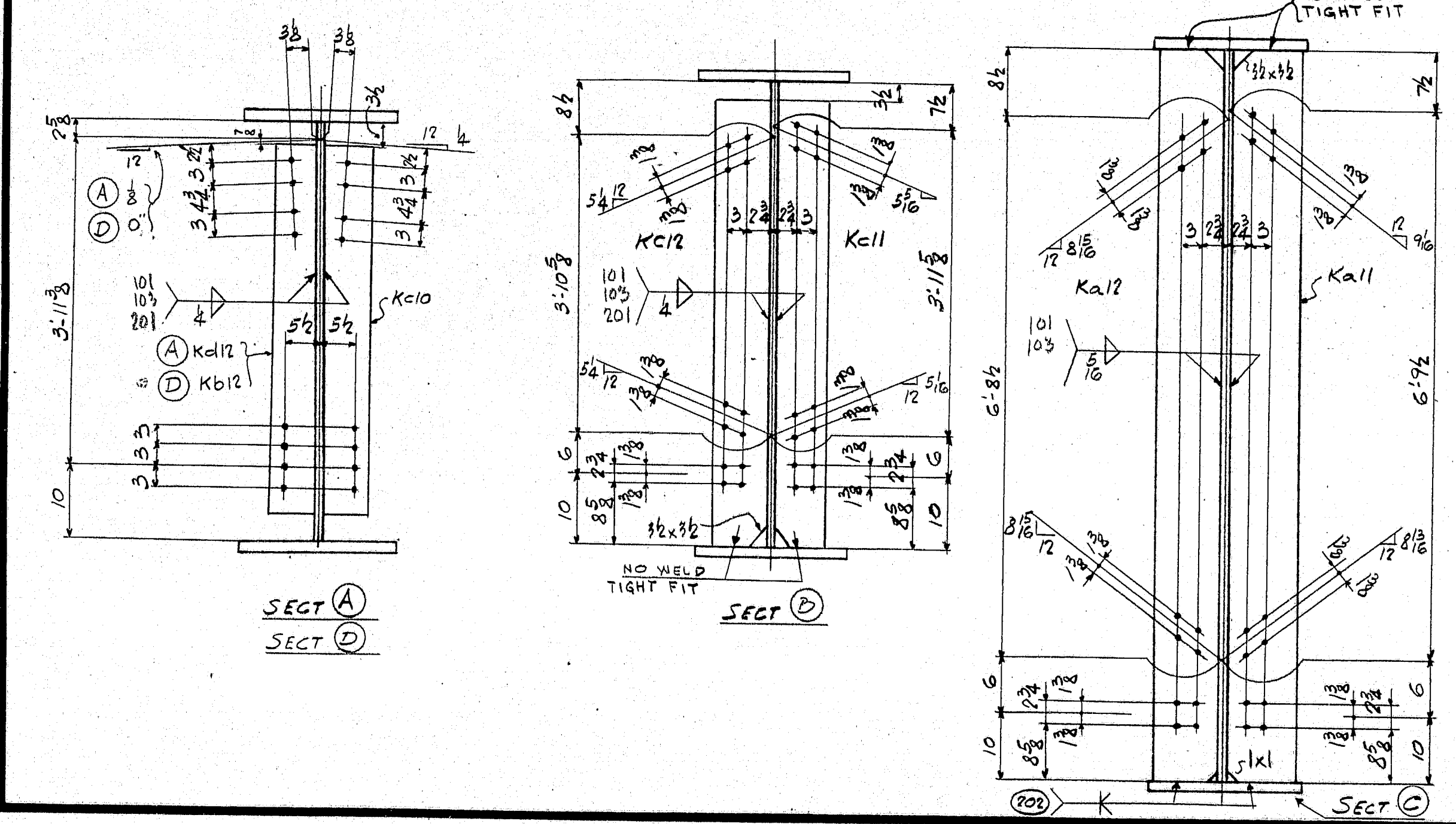
GIRDER DETAILS G3C	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLDG. BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE	
ARCH.	
CONTR.	
HOLES 1/2"	MADE BY T
RIVETS	CHECKED BY JB
PAINT NONE	DATE 3-11-81
JOB NO. 202-81	SHEET NO. F25

177-118





BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1	a	3/4 x 7 1/2	25	11 1/2	26	3	P3	(72W) (P)			
1	b	3/4 x 10 5/8	48	0	48	3	P4	(126W)			
1	c	3/4 x 7 1/2	25	11 1/2	26	3	P3	(72W)			
1	d	1/2 x 22	99	11 1/2	100	3	P7				
1	f	1/2 x 22	100	6	101	0	P10	BENT			
1	Ka12	1 x 10	2	9	35	4	P16				
1	Ka11	L	L	L	L	L					
4	Kc9	3/4 x 10	1	6				OFFAL			
2	KH9	7 x 3/2	8	0 1/2	13	10	P3	(52W)			
2	Kb11		7	3 1/2	1	L					
2	Kc10		4	5	10	0	P1				
2	Kc11		5	7 1/2	12	0	P2				
1	Kb12		4	5	10	0	P1				
2	Kc12		5	7 1/2	12	0	P2				
1	Kd12		4	5	10	0	P1				



MATL A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F39  
FOR CAMB. DIAG SEE SHT F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G4C

LYONS IRON WORKS, Inc.  
MANCHESTER, N. H.

BLDG. BRIDGE OVER ARROSTOCK RIVER  
PRESQUE ISLE, MAINE

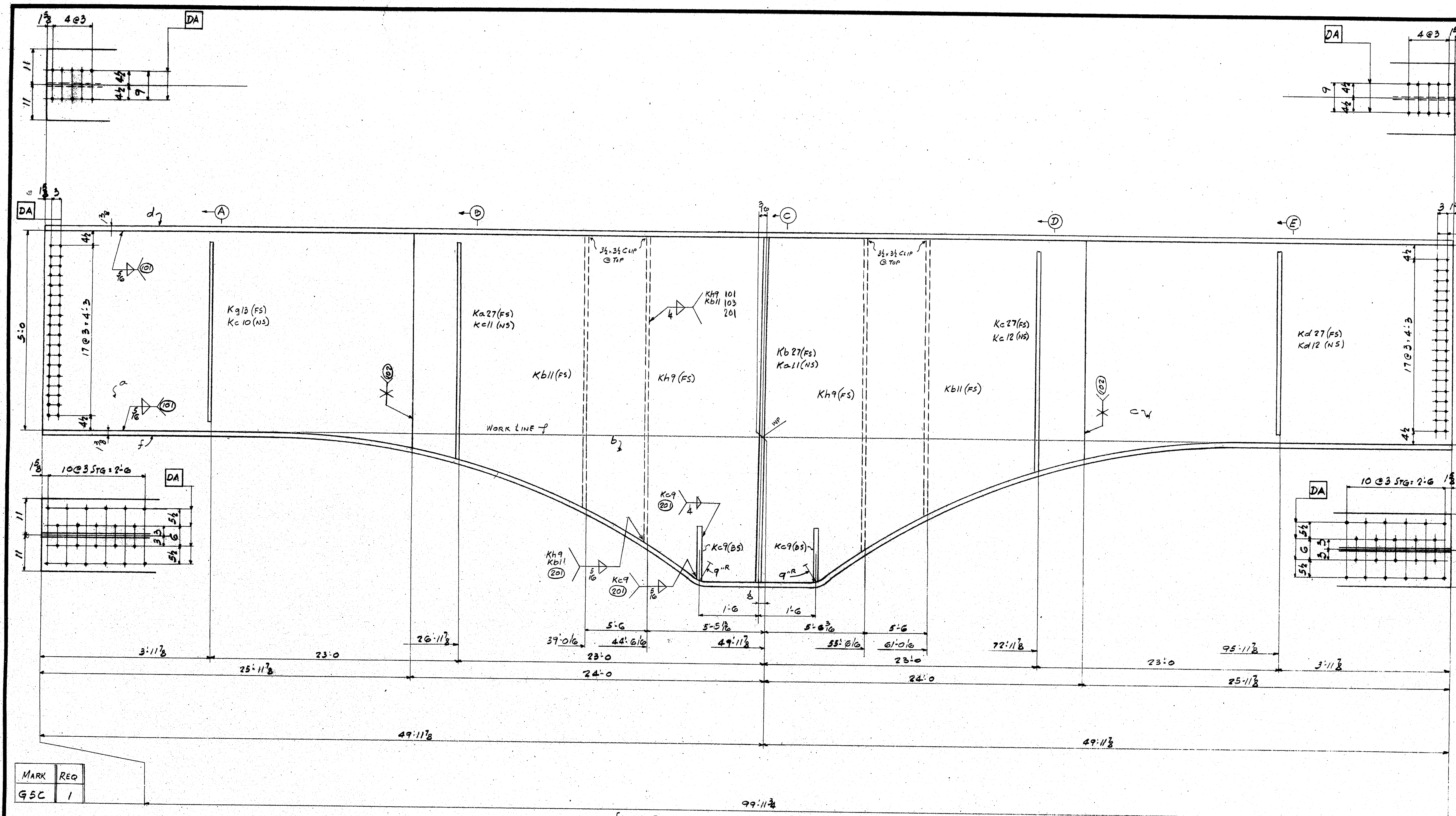
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2" \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT NAME \_\_\_\_\_

MADE BY J. \_\_\_\_\_  
CHECKED BY J.B. \_\_\_\_\_  
DATE 5-11-81

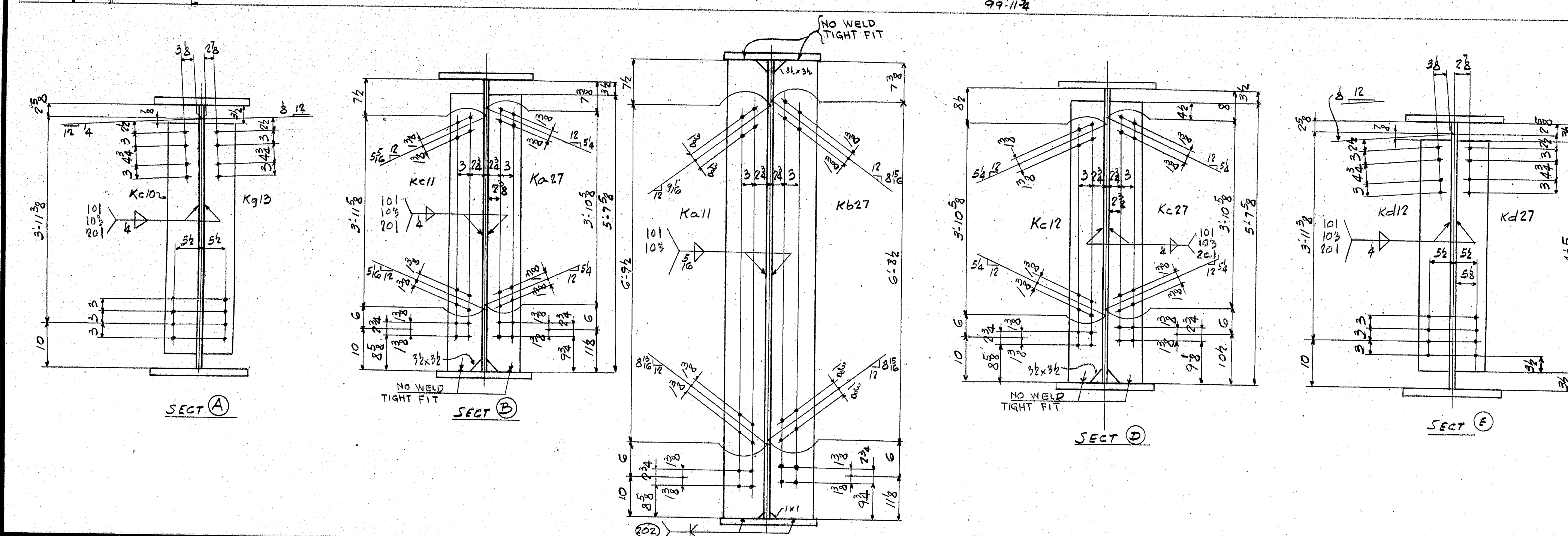
JOB NO. 202-81 SHEET NO. F36

177-119





MARK	REQ
G5C	1



BILL OF MATERIAL											
AMT	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		4x10 G5C									
1	a	3/4 x 72	25	11 3/8	26	3	P3	(72W)			
1	b	3/4 x 105 3/8	48	0	48	3	P4	(106W)			
1	c	3/4 x 71 3/8	25	11 3/8	26	3	P3	(72W)			
1	d	1 3/8 x 22	99	11 3/8	100	3	P7				
1	f		100	6 1/2	101	0	P10	BENT			
1	Kb27	1 x 10	8	9	35	4	P4				
1	Ka11										
4	Kc9	3/4 x 10	1	6				OFFAL			
1	Kg13	7 x 3/8	4	5	10	0	P1	(50W)			
1	Kc10		4	5	1	1					
1	Ka27		5	7 3/8	12	0	P2				
1	Kc27		5	7 3/8							
1	Kc11		5	7 3/8							
1	Kc12		5	7 3/8							
1	Kd12		4	5	10	0	P1				
1	Kd27		4	5	1	1					
2	Kb11		7	3 1/2	15	10	P3				
2	Kh9		8	0 1/2	1	1					

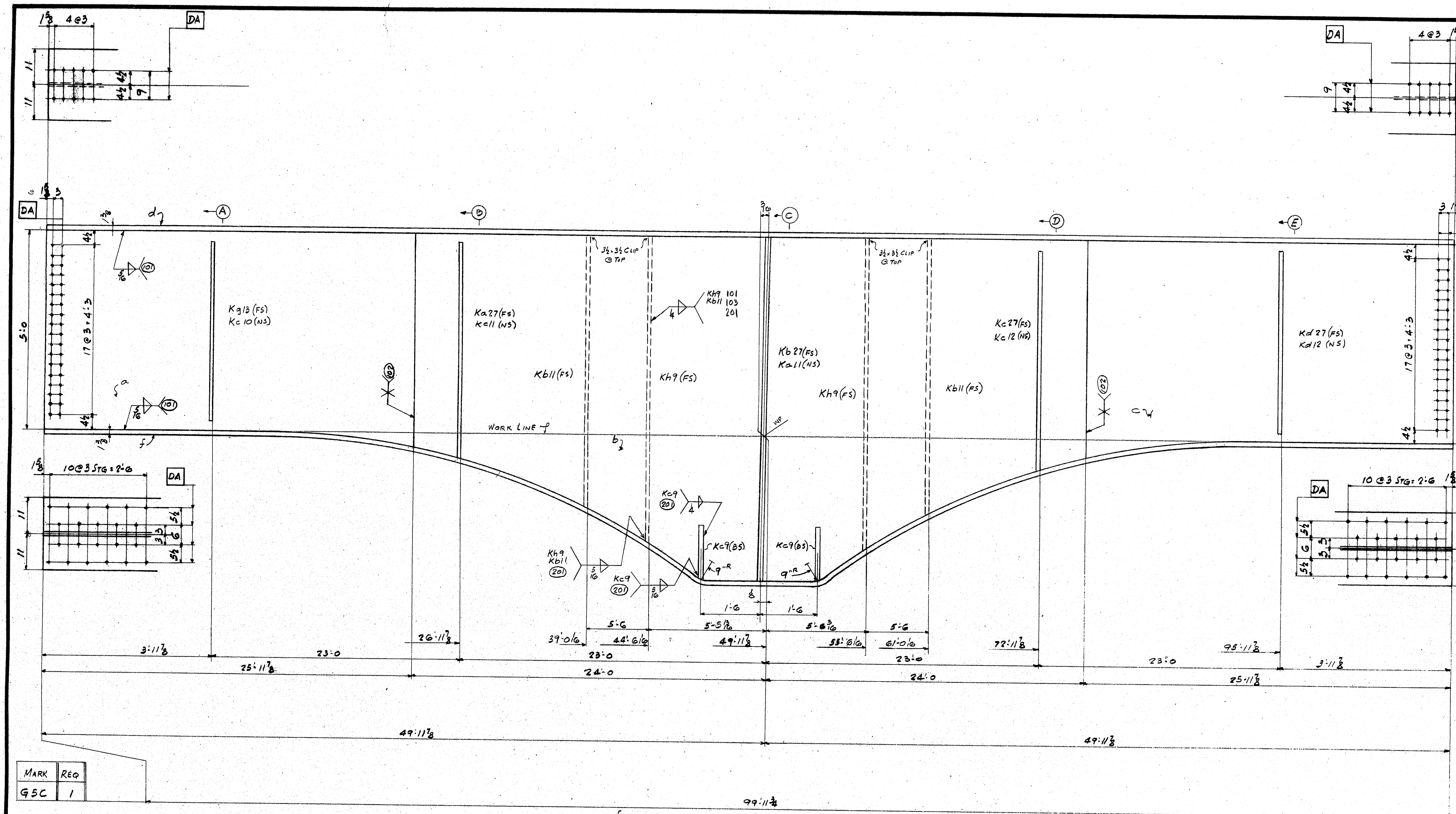
MATL A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG SEE SHT F39  
FOR CAMD. DIAG SEE SHT. F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G5C	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLOG. BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY T.
CONTR.	CHECKED BY JB
HOLES 1/8"	DATE 5-11-81
PAINT NONE	
JOB NO. 202-81	SHEET NO. F27

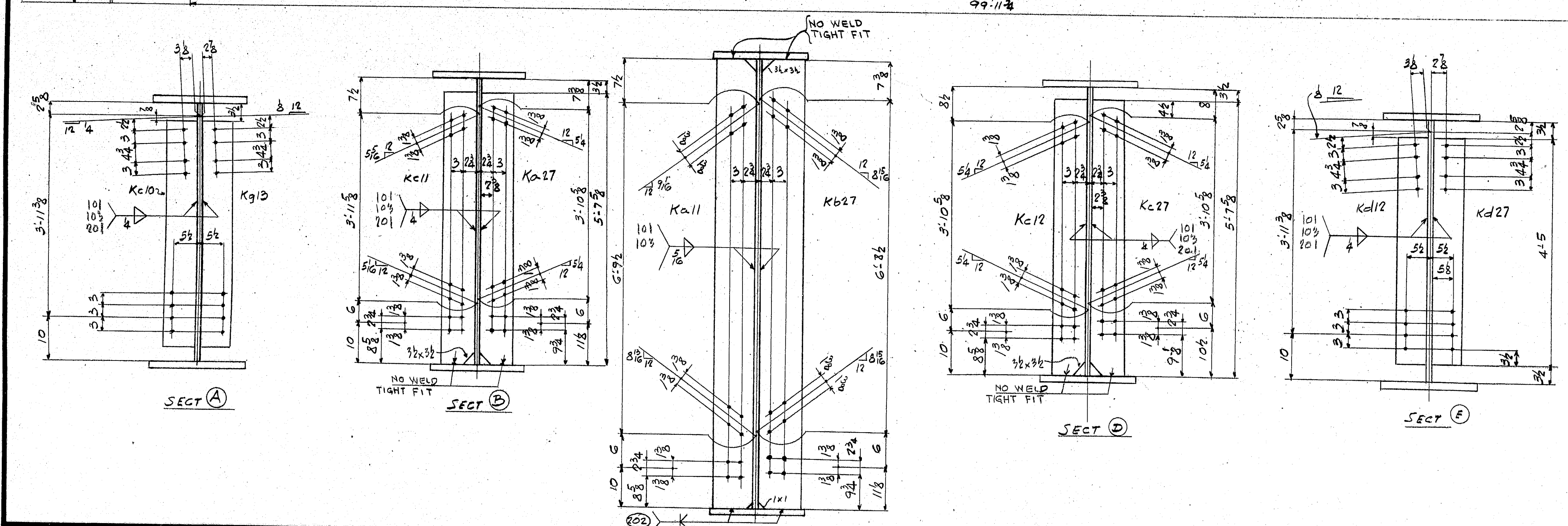
177-120





BILL OF MATERIAL											
AMT.	ASSEM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		4x10 G5C									
1	a	3/4 x 72	25	11 3/8	26	3	P3	(72W)			
1	b	3/4 x 105 3/8	48	0	48	3	P4	(106W)			
1	c	3/4 x 71 3/8	25	11 3/8	26	3	P3	(72W)			
1	d	1 3/8 x 22	99	11 3/8	100	3	P7				
1	f	1	100	6 1/2	101	0	P10	BEST			
1	Kb27	1 x 10	8	9	35	4	P4				
1	Ka11	1	1	1	1	1					
4	Kc9	3/4 x 10	1	6				OFFAL			
1	Kg13	7 x 30	4	5	10	0	P1	(50W)			
1	Kc10		4	5	1	1					
1	Ka27		5	7 3/8	12	0	P2				
1	Kc27		5	7 3/8							
1	Kc11		5	7 3/8							
1	Kc12		5	7 3/8							
1	Kd12		4	5	10	0	P1				
1	Kd27		4	5	1	1					
2	Kb11		7	3 3/8	15	10	P3				
2	Kh9	1	8	0 1/2	1	1					

MARK	REQ
G5C	1



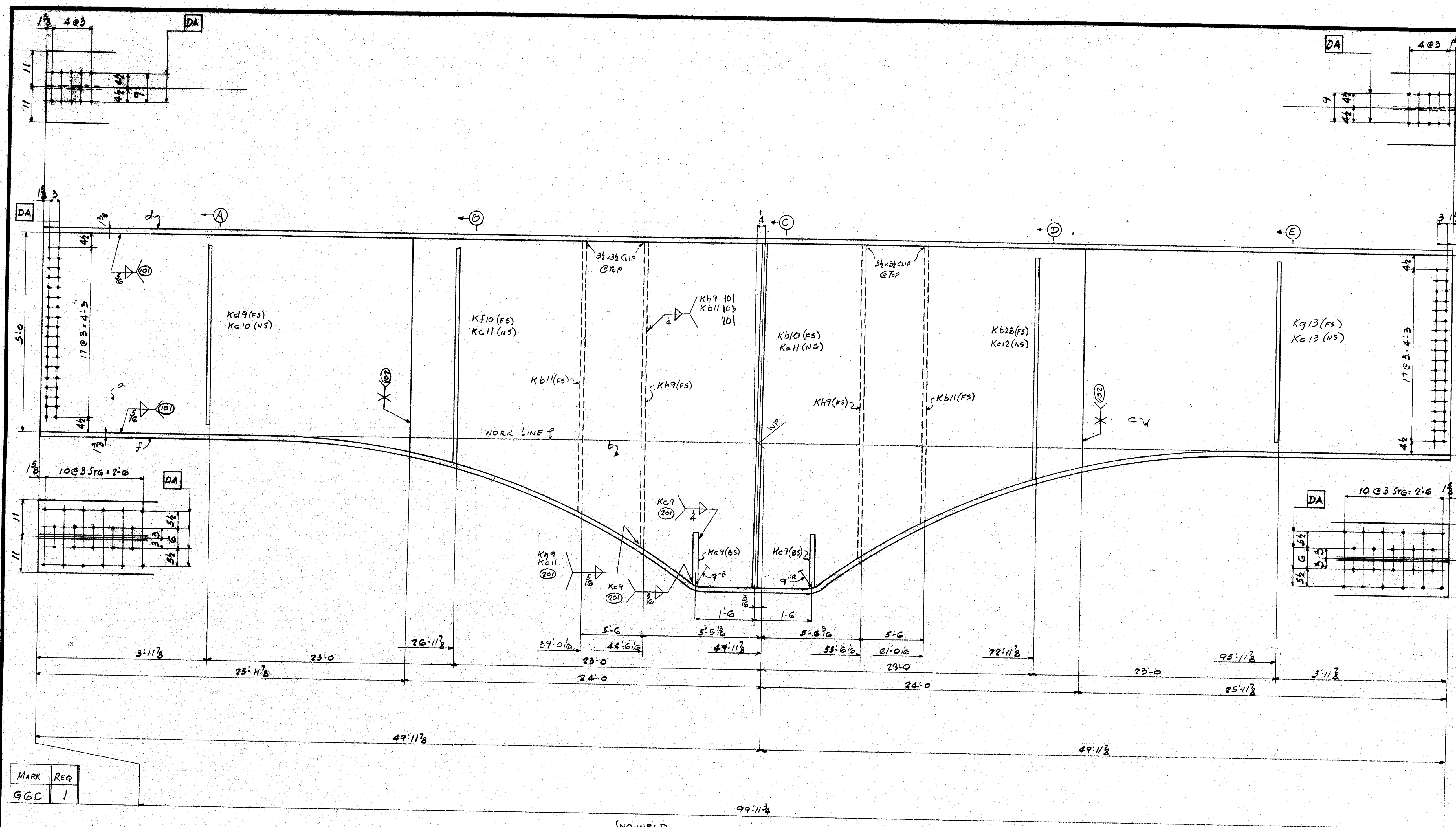
MATL A588  
 FOR FABRICATION NOTES SEE SHY F2  
 FOR ASSEMBLY DIAG SEE SHY F39  
 FOR CAMD. DIAG SEE SHY F38

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

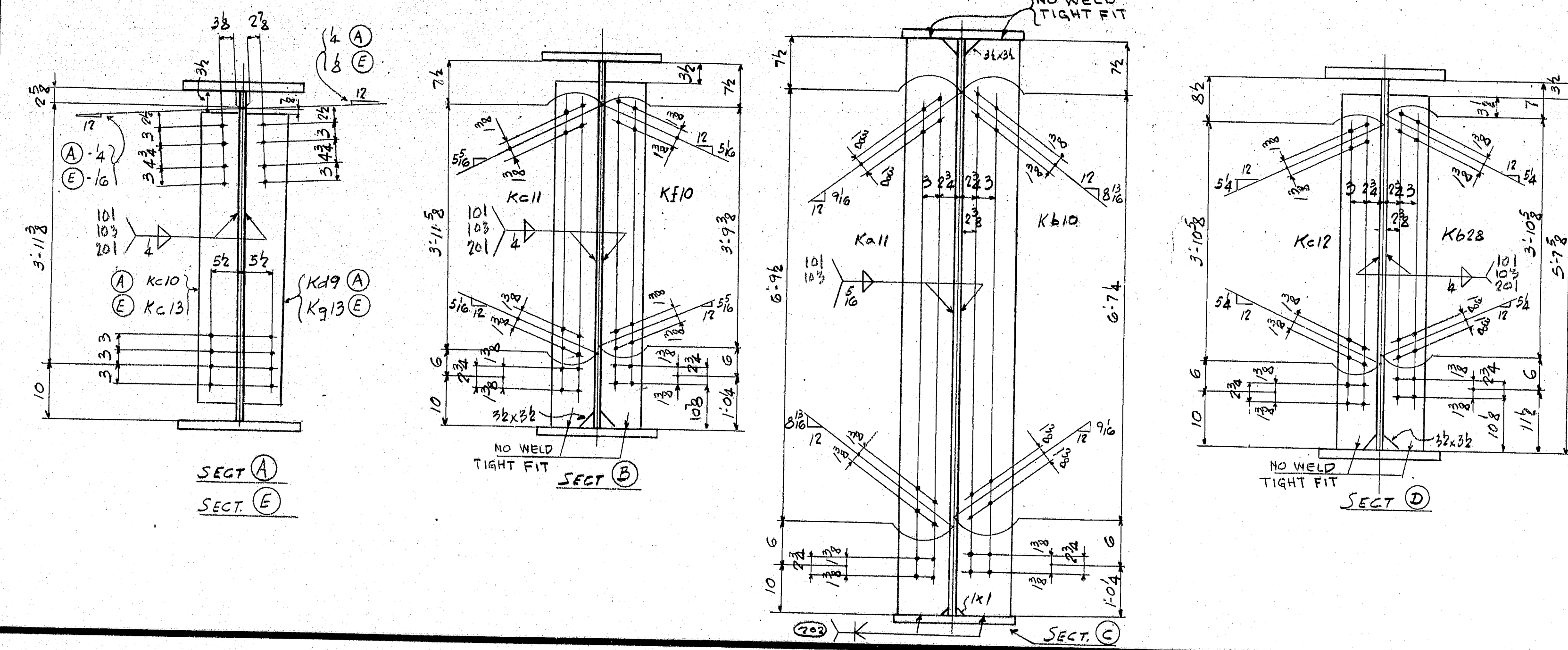
GIRDER DETAILS G5C	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BLDG. BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY T
CONTR.	CHECKED BY JB
HOLES 1/8"	DATE 5-11-81
RIVETS	
PAINT NONE	
JOB NO. 202-81	SHEET NO. F27

177-120





BILL OF MATERIAL									
AMT.	ASSEM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.
FT.	INS.		FT.	INS.	FT.	INS.			
1		940 G6C							
1	a	3/4 x 77 1/2	25	11 1/2	26	3	P3	(72W) (T)	
1	b	3/4 x 106 1/2	48	0	48	3	P4	(106W)	
1	c	3/4 x 72 1/2	25	11 1/2	26	3	P3	(72W)	
1	d	1/2 x 72	99	11 1/2	100	3	P7		
1	f	1	100	6	101	0	P10	BENT	
1	Kb10	1 x 10	3	9	35	4	P16		
1	Ka11	1	1	1	1	1			
4	Kc9	3/4 x 10	1	6				OFFAL	
1	Kd9	7 x 3/8	4	5	10	0	P1	(50W)	
1	Kc10								
1	Kg13								
1	Kc13								
1	Kf10		5	7 1/2	12	0	P2		
1	Kc11								
1	Kb28								
1	Kc12								
2	Kb11		7	3 1/2	15	10	P3		
2	Kh9		8	0 1/2	1	1			



MATL. ASBBS  
FOR FABRICATION NOTES SEE SHT. F2  
FOR ASSEMBLY DIAG. SEE SHT. F39  
FOR CAMD. DIAG. SEE SHT. F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GIRDER DETAILS G6C

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

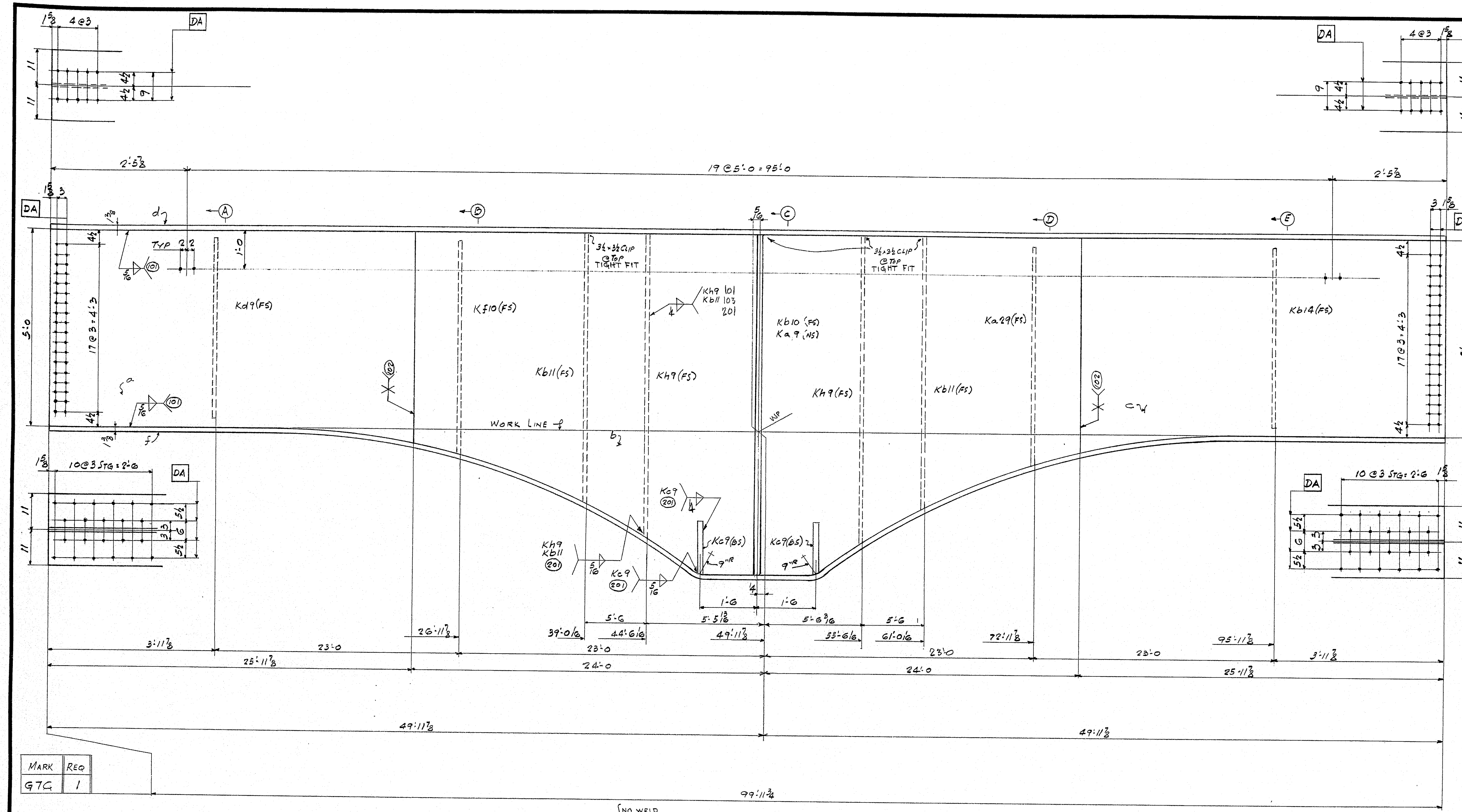
BLDG. BRIDGE OVER ANDROSTOCK RIVER  
PISCATAWAY, N.H., MAINE

ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2" ☒ MADE BY T. \_\_\_\_\_  
RIVETS \_\_\_\_\_ CHECKED BY J.B. \_\_\_\_\_  
PAINT NONE \_\_\_\_\_ DATE 3-11-81

JOB NO. 202-81 SHEET NO. F28

177-121





BILL OF MATERIAL											
AMT.	ASSM. MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
1		420 G7C									
1	a	3/4 x 72 1/2	25	11 1/2	26	3	P3	(72W)			
1	b	3/4 x 106 1/2	48	0	48	3	P4	(106W)			
1	c	3/4 x 72 1/2	25	11 1/2	26	3	P3	(72W)			
1	d	1/2 x 22	99	11 3/4	100	3	P7				
1	f		100	6 1/2	101	0	P10	BEAUT			
1	Ka9	1 x 10	8	9	35	4	P16	FIE			
1	Kb10		1	1	1	1		FIE			
4	Kc9	3/4 x 10	1	6				OFFAL			
1	Kd9	7 x 3/8	4	5	10	0	P1	(50W)			
1	Kb14		1	1	1	1					
1	Kf10		5	7 1/2	12	0	P2	FIE			
1	Ka29		1	1	1	1		FIE			
2	Kb11		7	3 1/2	15	10	P3	FIE			
2	Kh9		8	0 1/2	1	1		FIE			

MATL A588  
 FOR FABRICATION NOTES SEE SH. F2  
 FOR ASSEMBLY DIAG. SEE SH. F39  
 FOR CAMD. DIAG. SEE SH. F38

APPROVED FOR CONSTRUCTION  
 DATE 5/13/81

GIRDER DETAILS G7C

**LYONS IRON WORKS, Inc.**  
 MANCHESTER, N. H.

BLDG. BRIDGE OVER ARROSTOCK RIVER  
 PRESQUE ISLE, MAINE

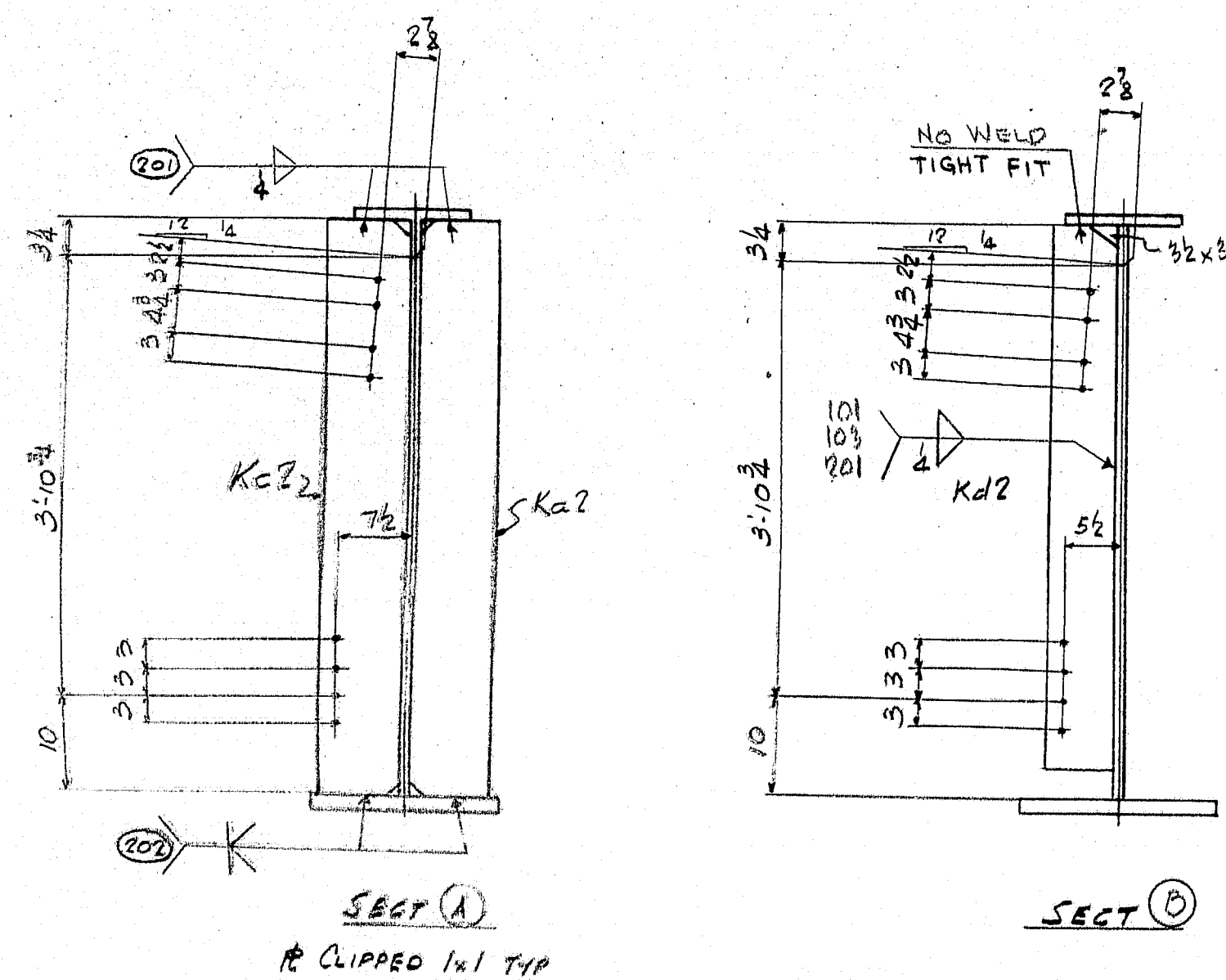
ARCH. \_\_\_\_\_  
 CONTR. \_\_\_\_\_  
 HOLES 1/8" \_\_\_\_\_  
 RIVETS \_\_\_\_\_  
 PAINT NAME \_\_\_\_\_  
 JOB NO. 202-81

MADE BY T. \_\_\_\_\_  
 CHECKED BY J.B. \_\_\_\_\_  
 DATE 5-11-81

SHEET NO. F29

177-122





MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMB. DIAG SEE SHT. F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL      GID

---

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BRIDGE OVER ARROOSTOOK RIVER  
PRESQUE ISLE MAINE.

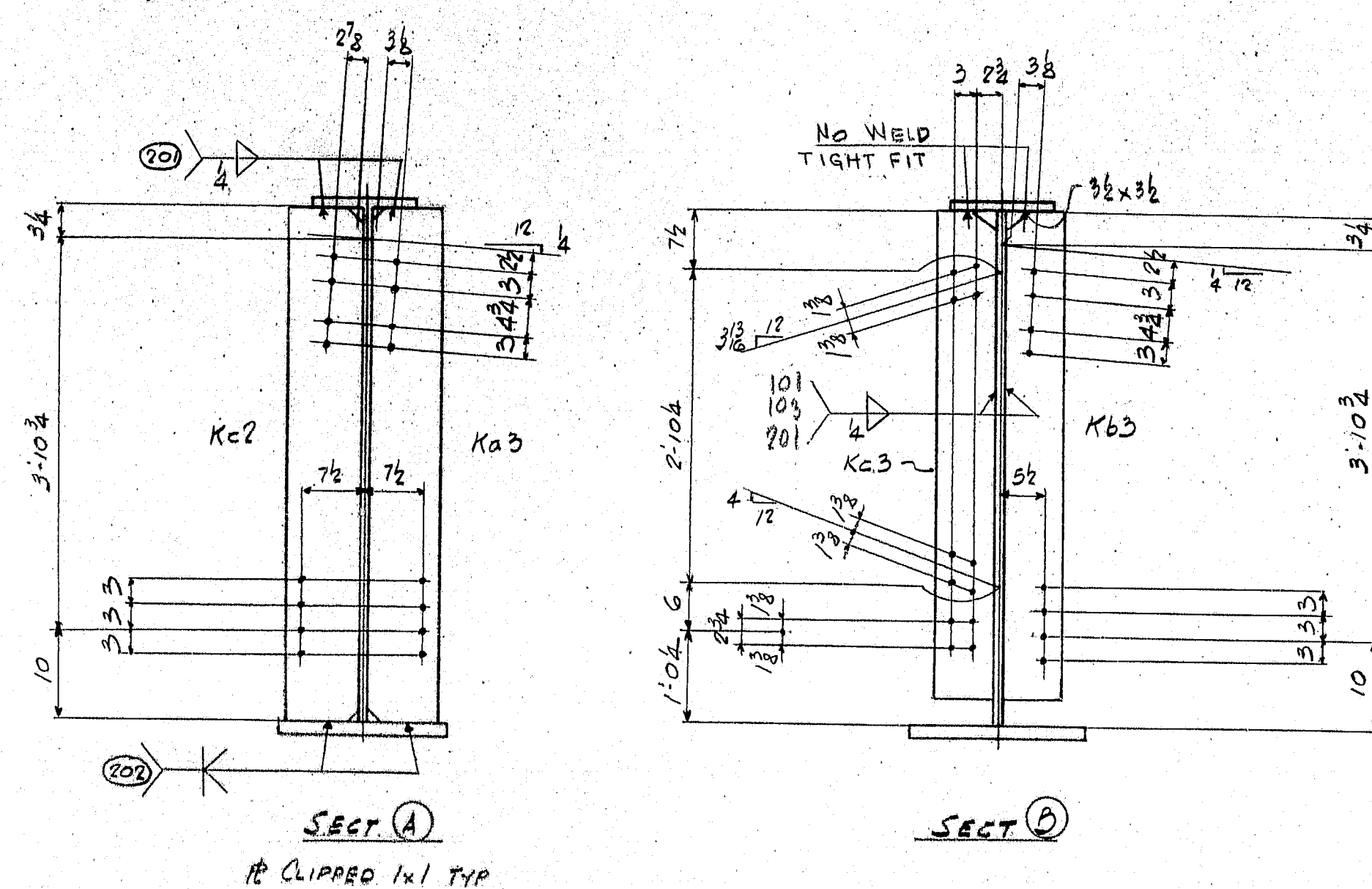
ARCH.....  
CONTR.....  
HOLES 5/8"  
RIVETS.....  
PAINT NONE

MADE BY T  
CHECKED BY JB  
DATE 3-11-81

JOB NO. 700-81 SHEET NO. F30

177-123





MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMB. DIAG SEE SHT F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL      G 2D

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BRIDGE OVER ARROOSTOOK RIVER  
PRESERVE ISLE, MAINE

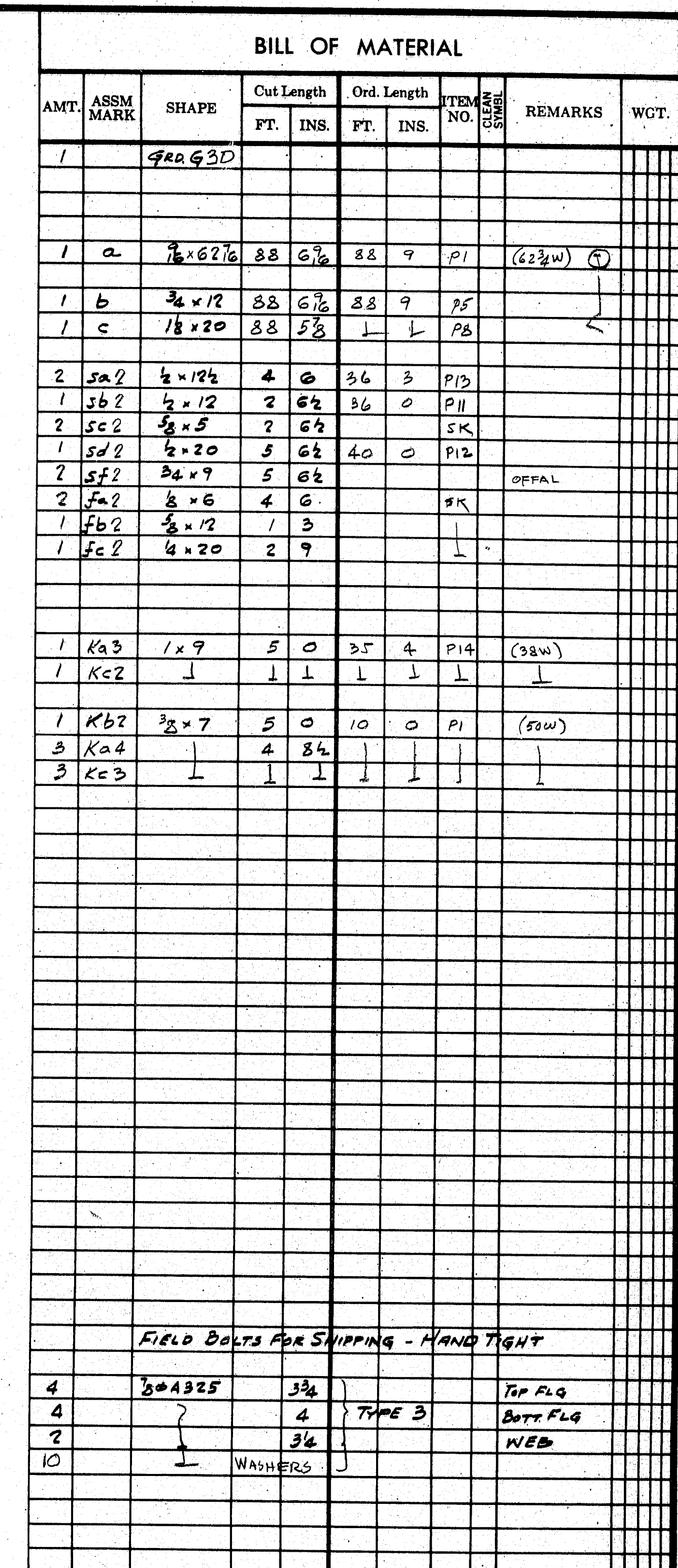
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HIVES 50# \_\_\_\_\_  
ROLES \_\_\_\_\_  
PAINT NONE \_\_\_\_\_  
JOB NO. 202-81

MADE BY T \_\_\_\_\_  
CHECKED BY JB \_\_\_\_\_  
DATE 9-11-81

SHEET NO. F31

177-124





MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMB. DIAG. SEE SHT F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL G3D

---

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

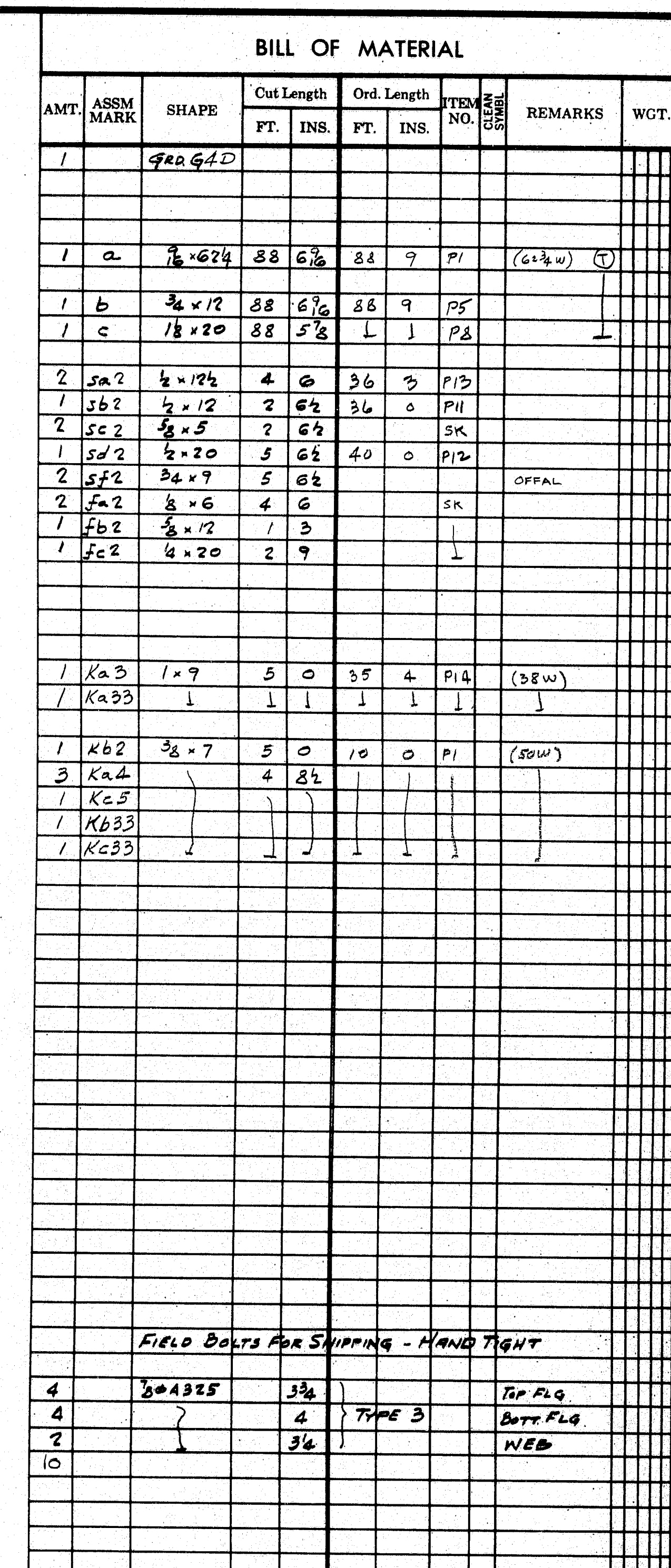
BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

ARCH. ....  
CONTR. ....  
HOLES 180  
RIVETS .....  
PAINT NONE  
JOB NO. 202-81

MADE BY T  
CHECKED BY JB  
DATE 3-11-81  
SHEET NO. F32

177-125





MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMP. DIAG. SEE SHT. F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL G41

**LYONS IRON WORKS, I**  
MANCHESTER, N. H.

INFO. BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

ARCH. ....  
CONTR. ....  
HOLES  $\frac{15}{18} \phi$  .....  
RIVETS .....  
PAINT NONE .....  
MADE BY T .....  
CHECKED BY JB .....  
DATE 3-11-8 .....

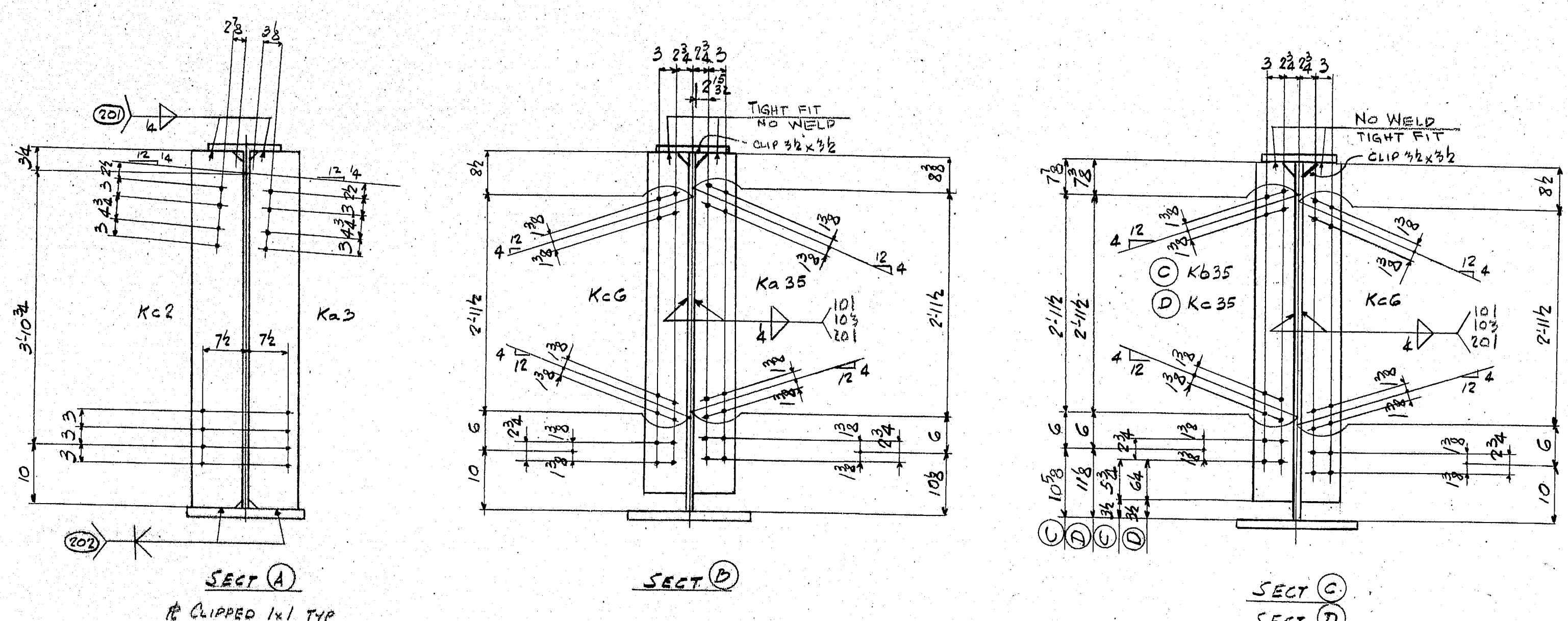
JOB NO. 202-81 SHEET NO. F3

177-126









MAT'L A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMB. DIAG SEE SHT F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL GGD

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

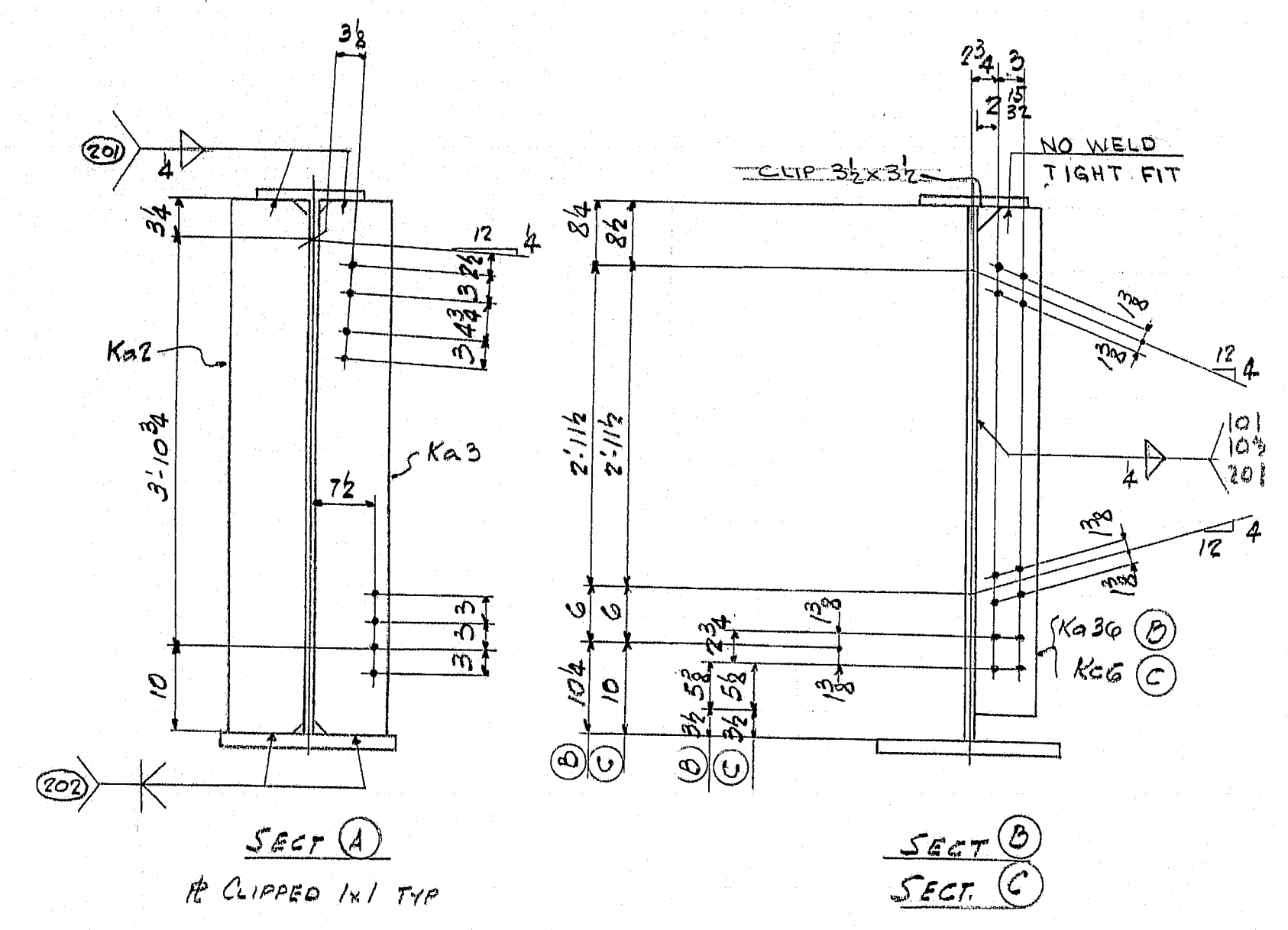
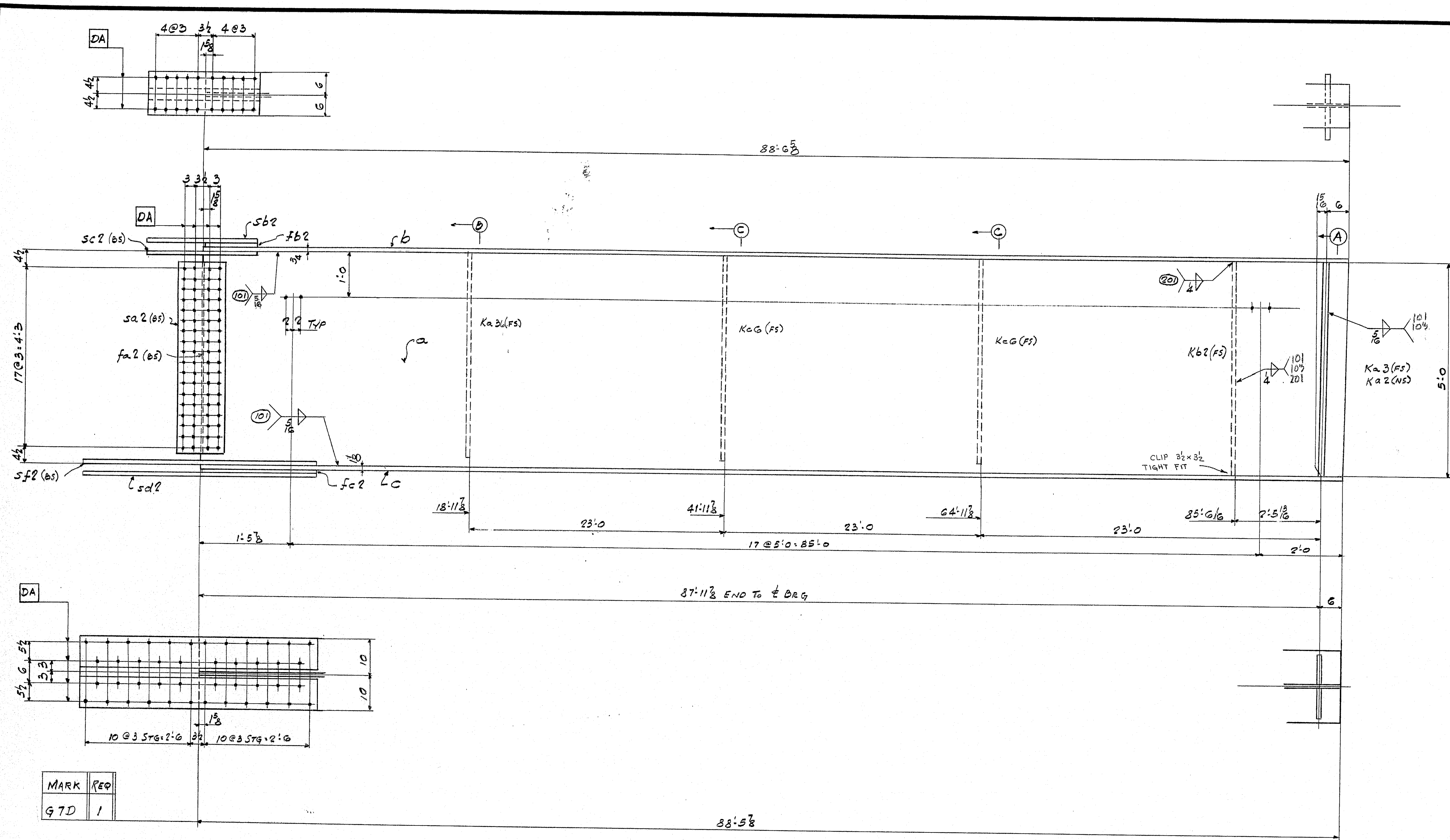
BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE MAINE

ARCH. ....  
CONTR. ....  
HOLES 1/8" .....  
RIVETS .....  
PAINT NONE .....  
MADE BY T .....  
CHECKED BY JB .....  
DATE 3-11-81 .....

JOB NO. 202-81 SHEET NO. F35

177-128





BILL OF MATERIAL											
AMT.	ASSEM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
FT.	INS.	FT.	INS.	FT.	INS.						
1		7x2 G7D									
1	a	1/2 x 6 1/2	88	6 1/2	88	9	PI	(62 3/4 W)			
1	b	3/4 x 12	88	6 1/2	88	9	PI				
1	c	1 1/2 x 20	88	5 3/8	1	1	PI				
2	sa2	1/2 x 12	4	6	36	3	PI				
1	sb2	1/2 x 12	2	6 1/2	36	0	PI				
2	sc2	1/2 x 5	2	6 1/2	36	0	SK				
1	sd2	1/2 x 20	5	6 1/2	40	0	PI				
2	sf2	3/4 x 7	5	6 1/2				OFFAL			
2	fa2	1/2 x 6	4	6			SK				
1	fb2	1/2 x 12	1	3							
1	fc2	1/2 x 20	2	9							
1	Ka3	1 x 9	5	0	35	4	PI	(38 W)			
1	Ka2	1	1	1	1	1	PI				
1	Ka30	3/8 x 7	4	3 1/2	10	0	PI	(38 W) FIE			
2	Kc2	1	1	1	1	1		FIE			
1	Kd2	1	5	0	1	1		FIE			
FIELD BOLTS FOR SHIPPING - HAND TIGHT											
4		3/8 x 3 1/2	3 1/2					TOP FLG			
4		3/8	4					BOTT FLG			
2		3/8	3 1/2					WEB			
10		W4 HR 5 1/2 x 25 7/8									

MATL A588  
FOR FABRICATION NOTES SEE SHT F2  
FOR ASSEMBLY DIAG. SEE SHT F39  
FOR CAMB. DIAG SEE SHT F38

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

GRO DETAIL G7D

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BRIDGE OVER ARROSTOOK RIVER  
PREHAME ISLE, MAINE

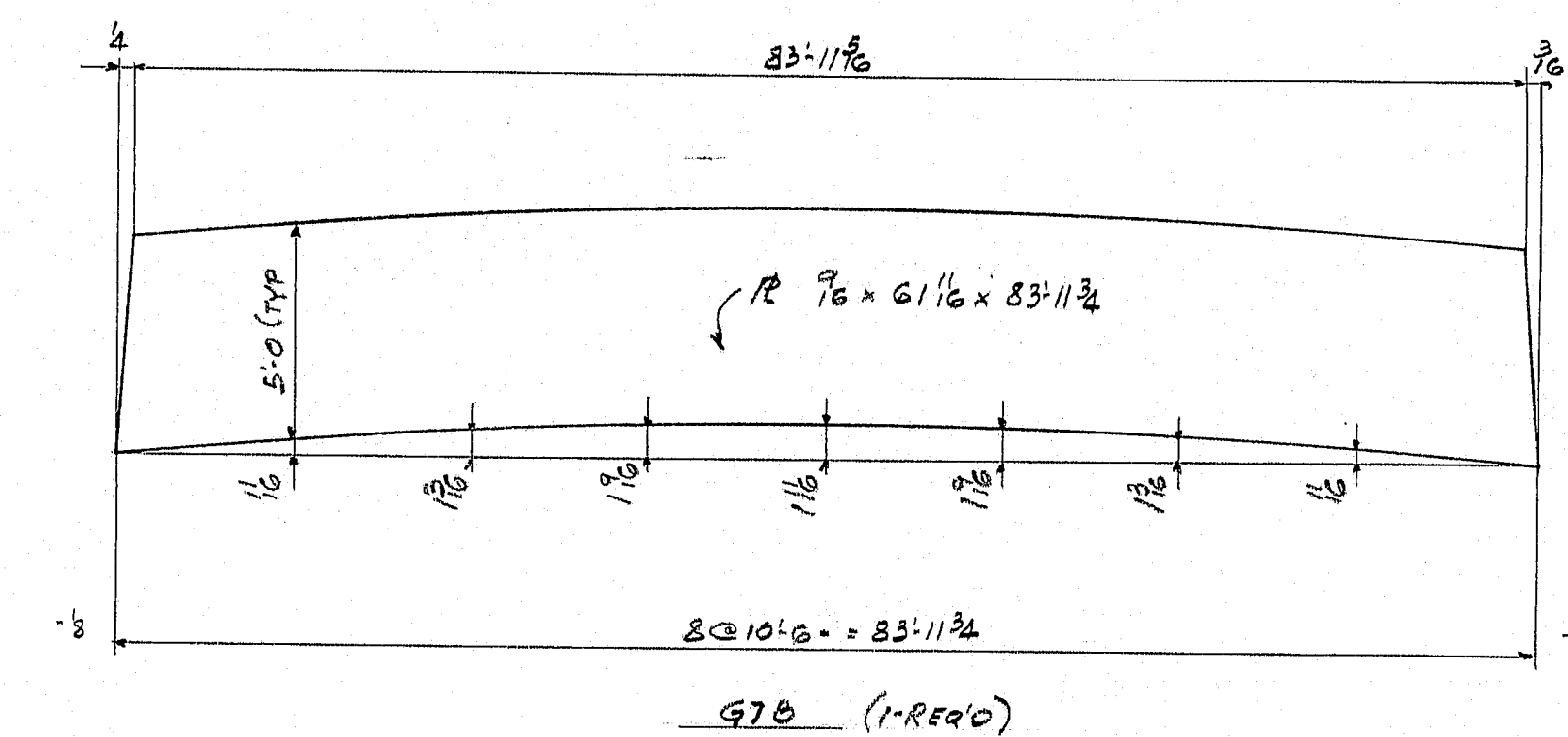
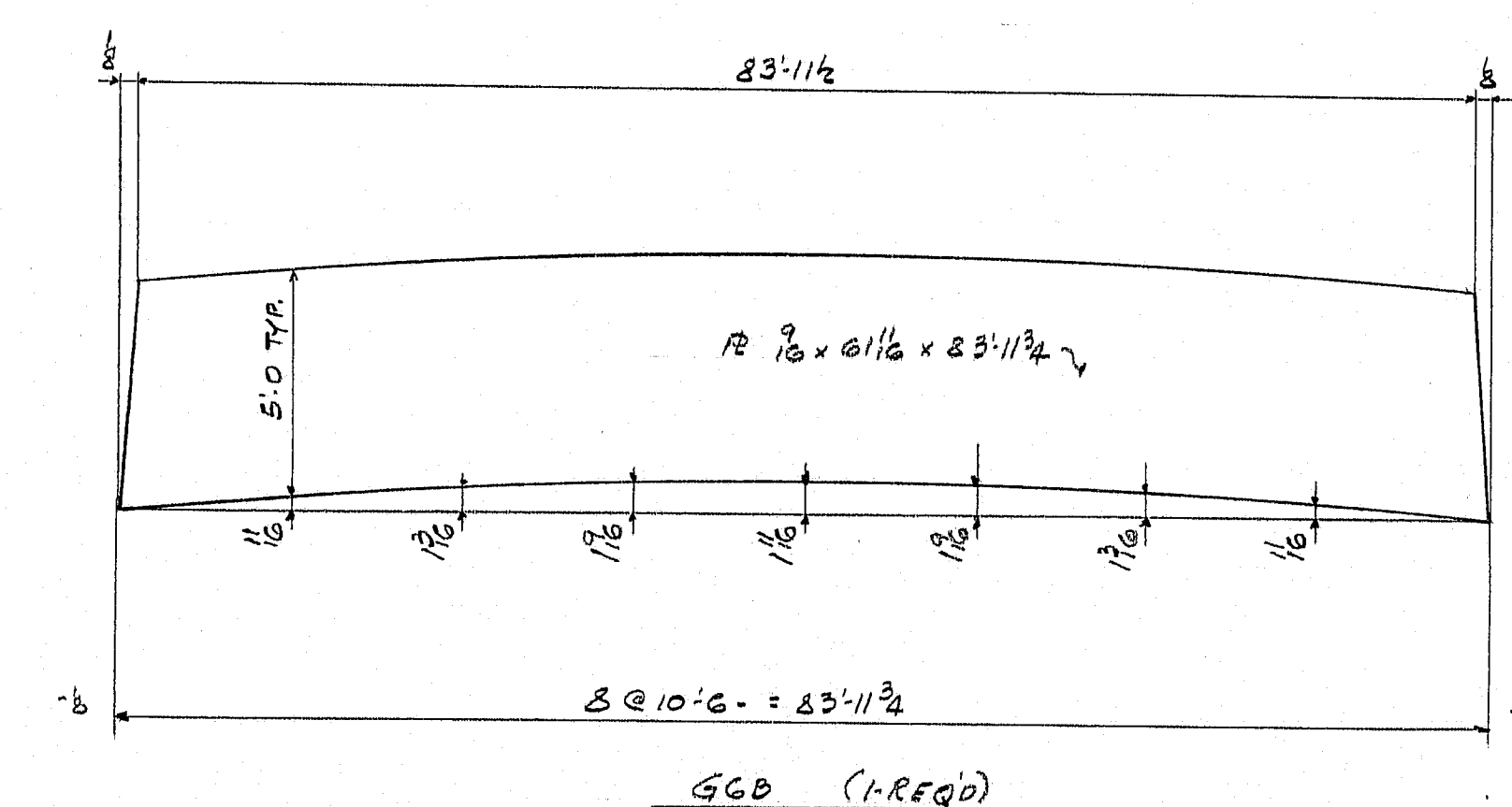
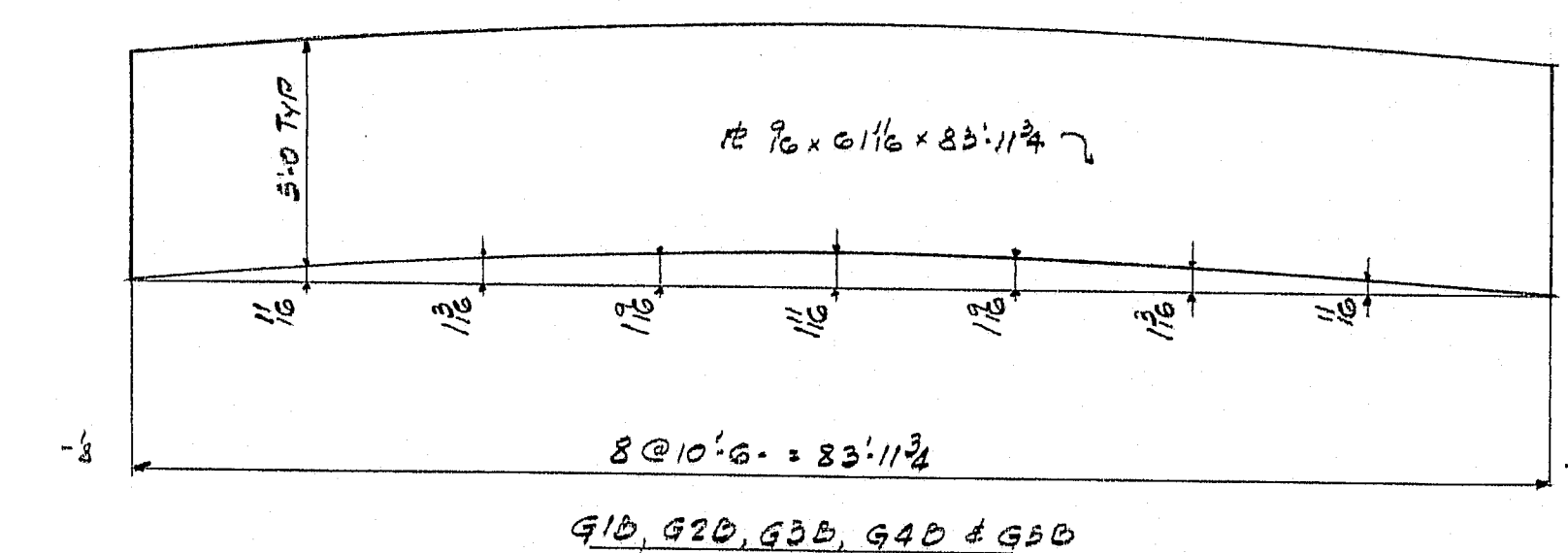
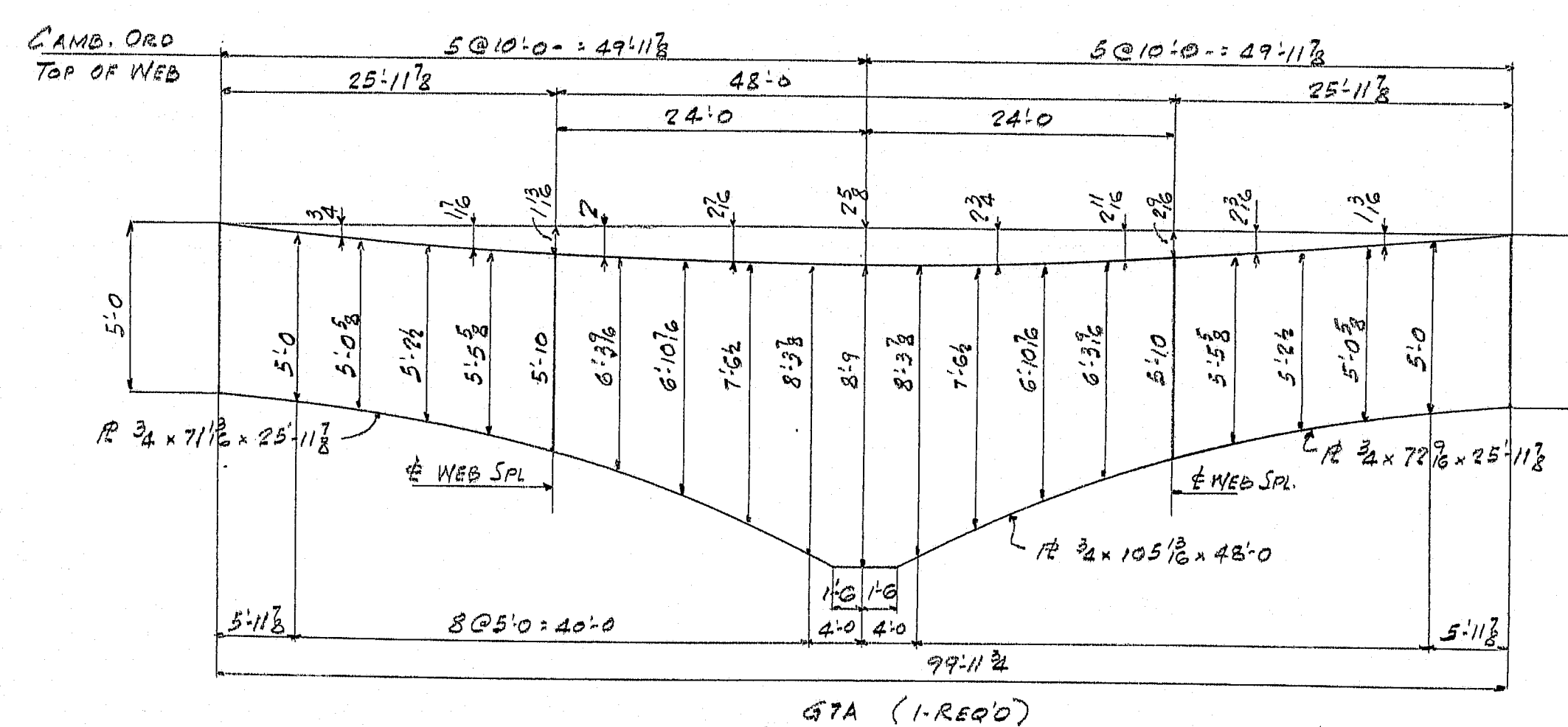
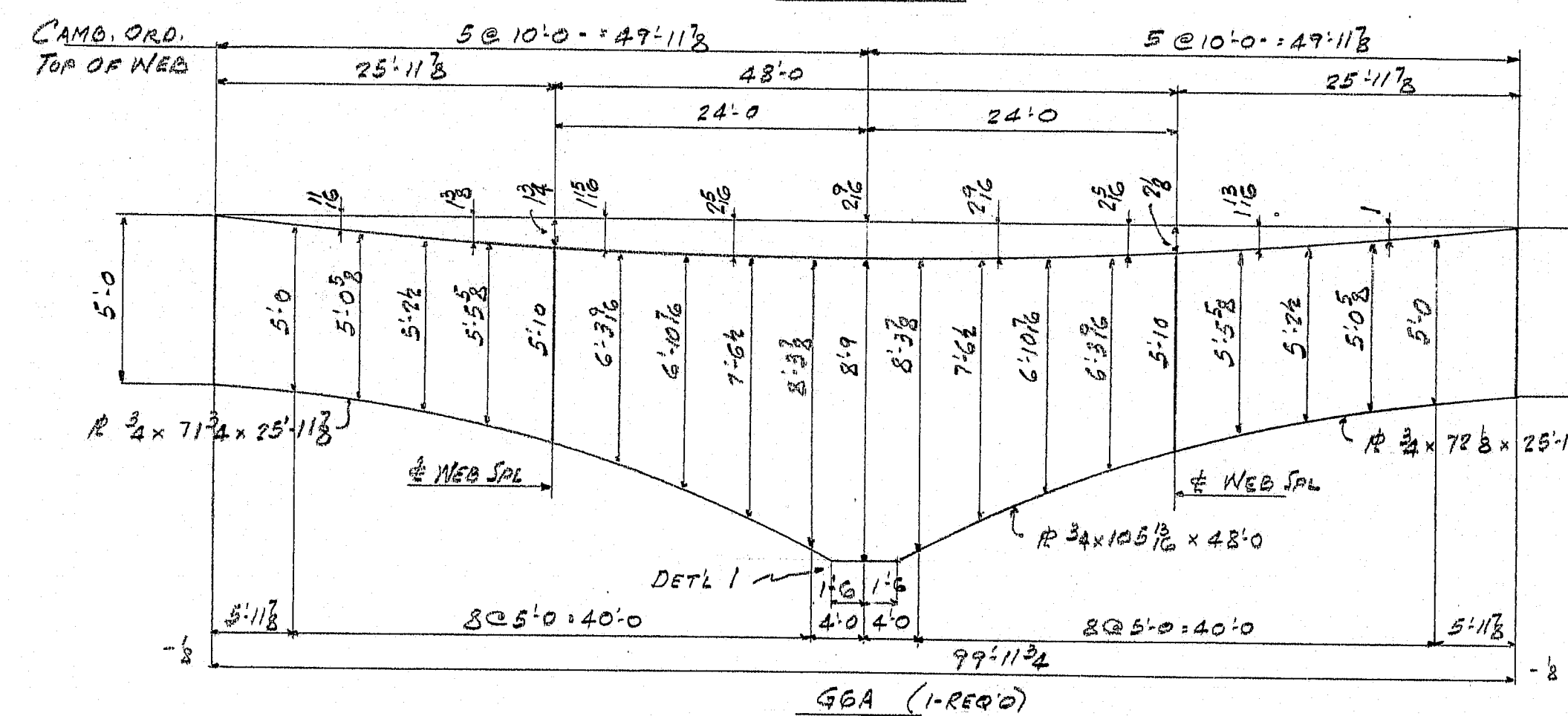
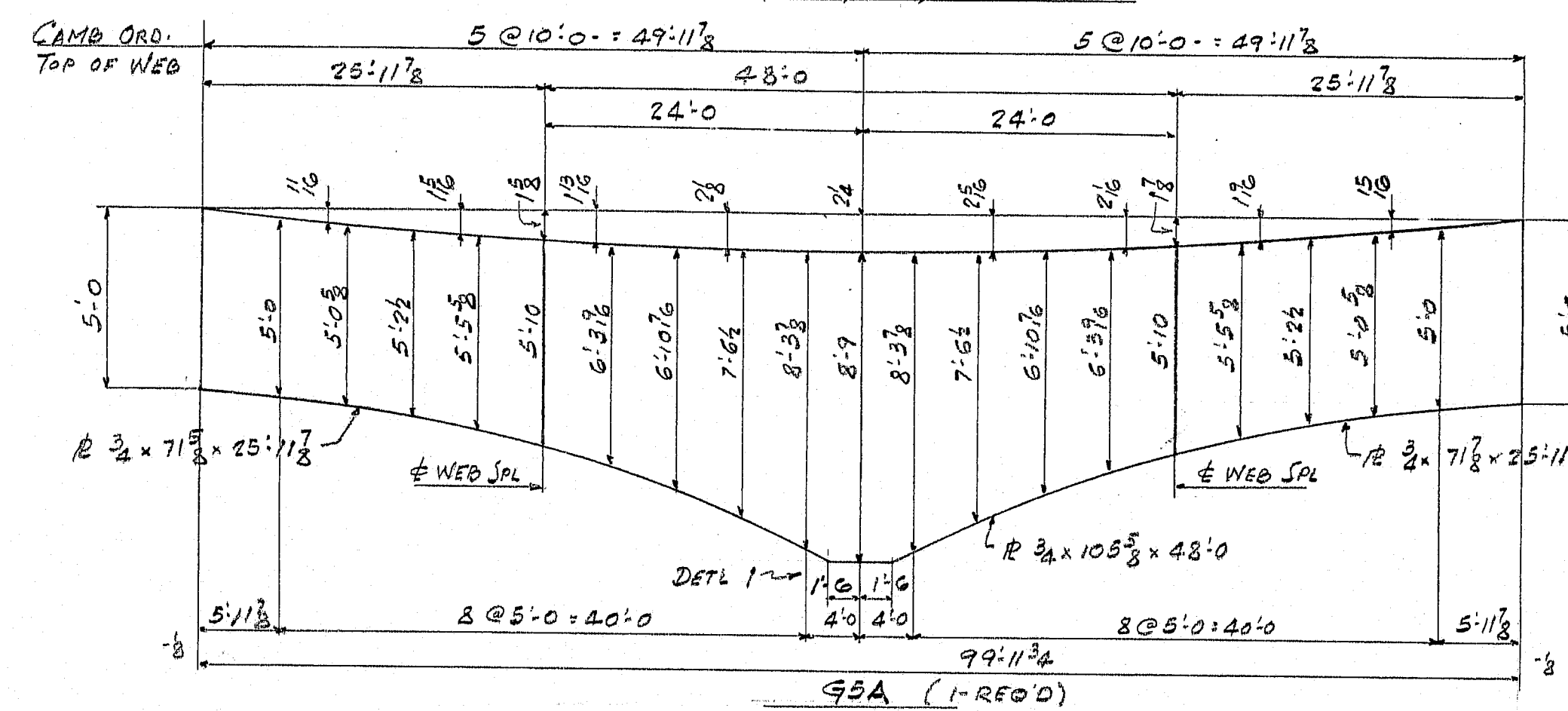
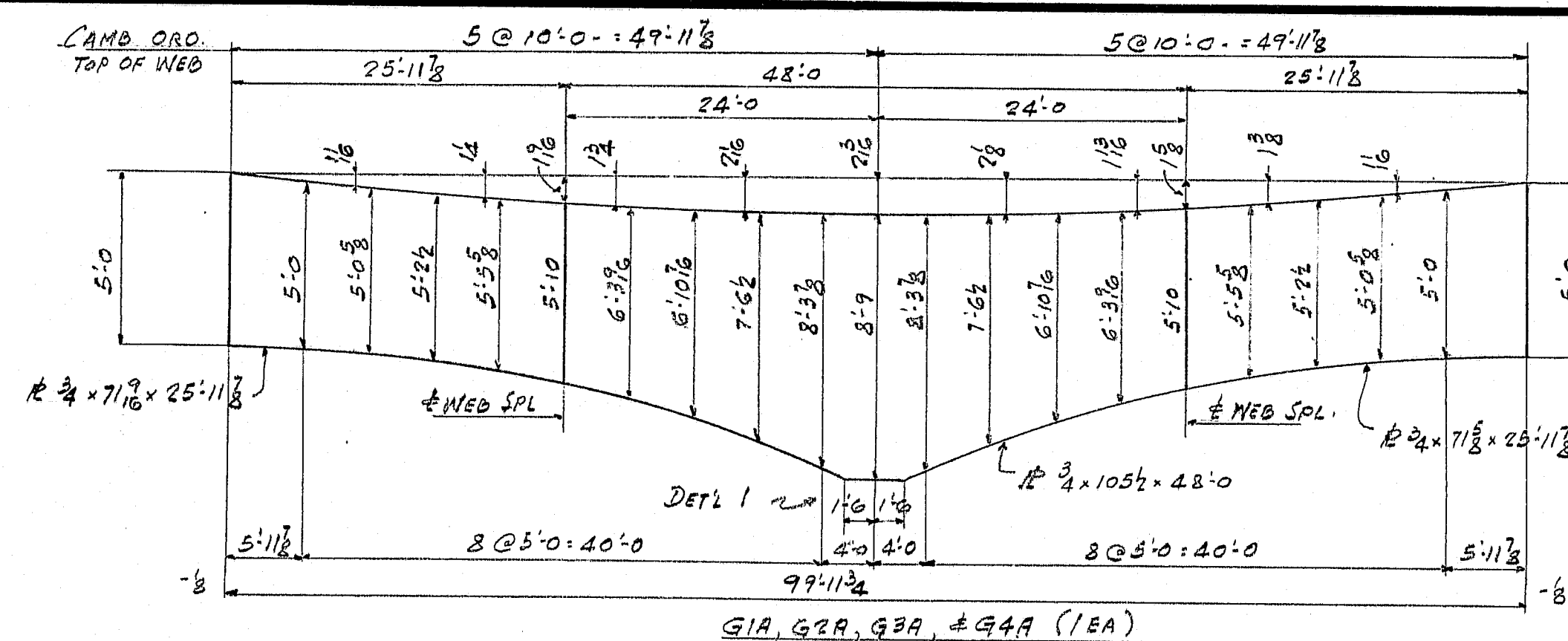
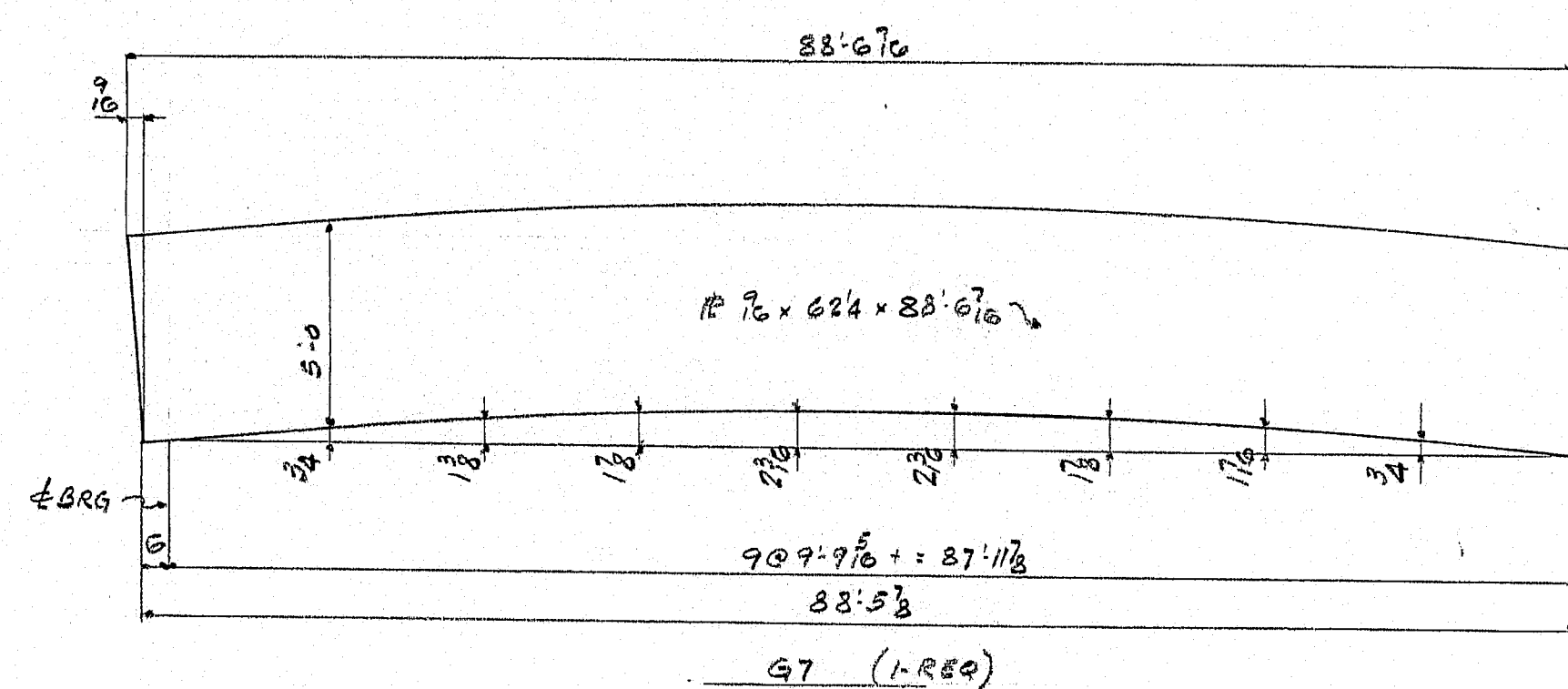
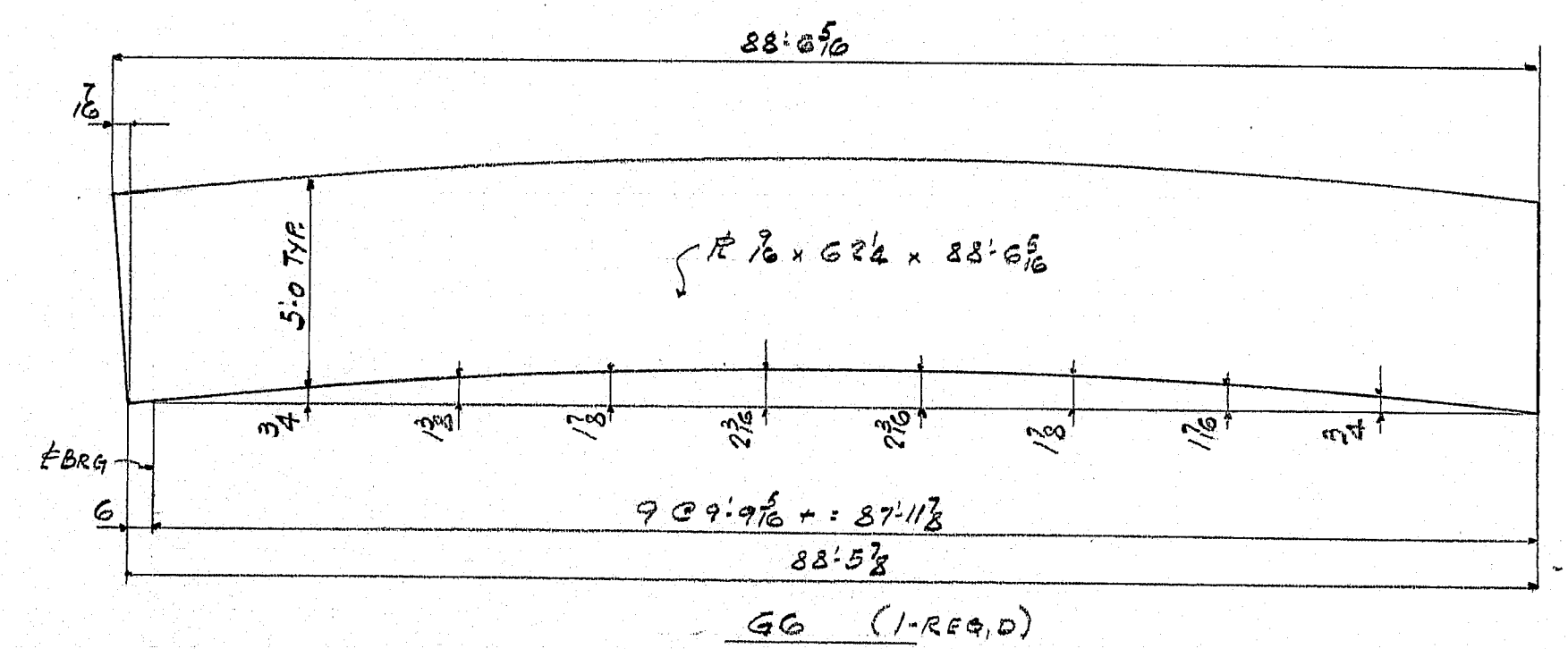
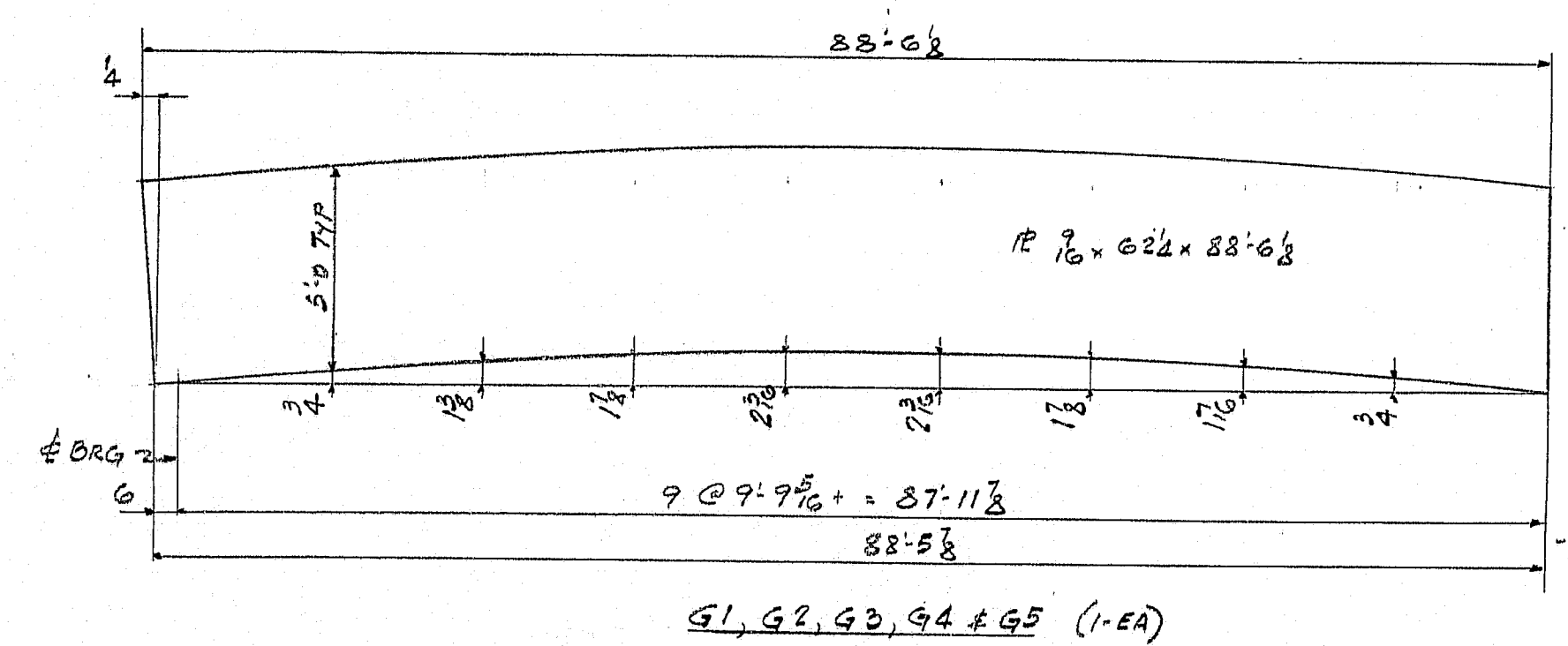
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT None \_\_\_\_\_

MADE BY T. \_\_\_\_\_  
CHECKED BY J. \_\_\_\_\_  
DATE 8-11-81

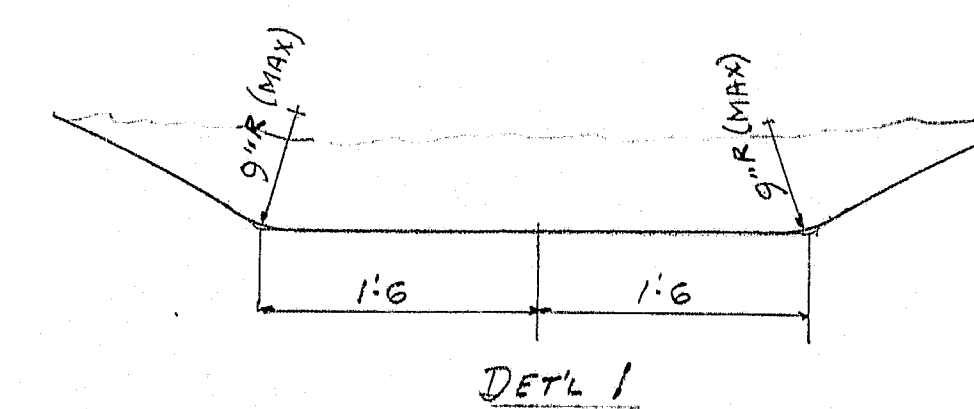
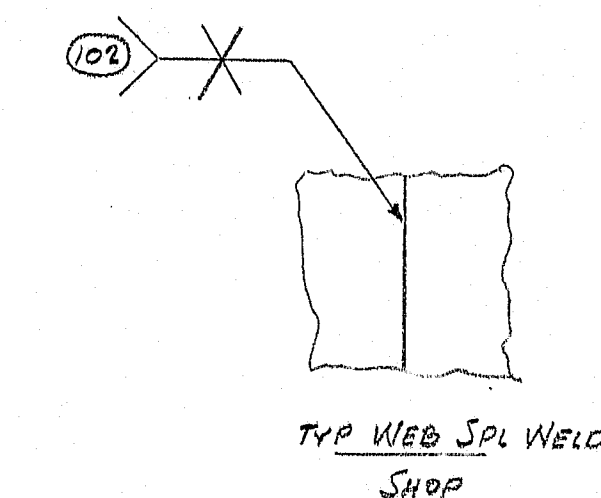
JOB NO. 202-81 SHEET NO. F36

177-129





SHOP NOTE  
ENDS TO BE CUT AFTER ALL WELDING IS DONE



MATL A588

APPROVED FOR CONSTRUCTION  
DATE 3/24/81

WELD CUTTING DETAILS  
G1 TO G7 (INCL)  
G1A TO G7A (INCL)  
G1B TO G7B (INCL)

LYONS IRON WORKS, Inc.  
MANCHESTER, N. H.

BIDG. BRIDGE OVER AROOSTOOK RIVER  
PRESQUE ISLE, MAINE

ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT \_\_\_\_\_  
JOB NO. \_\_\_\_\_

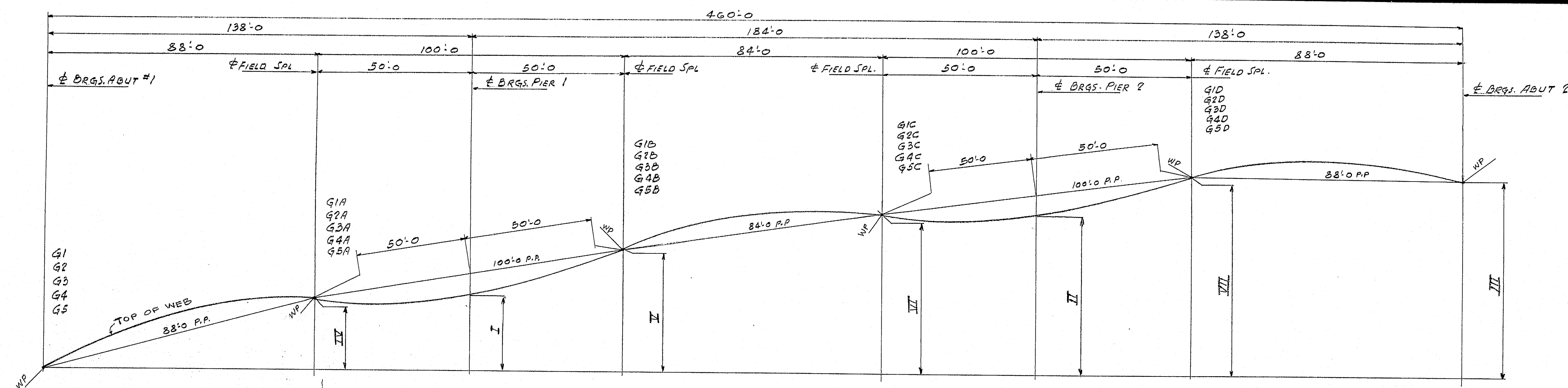
MADE BY T  
CHECKED BY JB  
DATE 2-25-81  
SHEET NO. F37

177-130



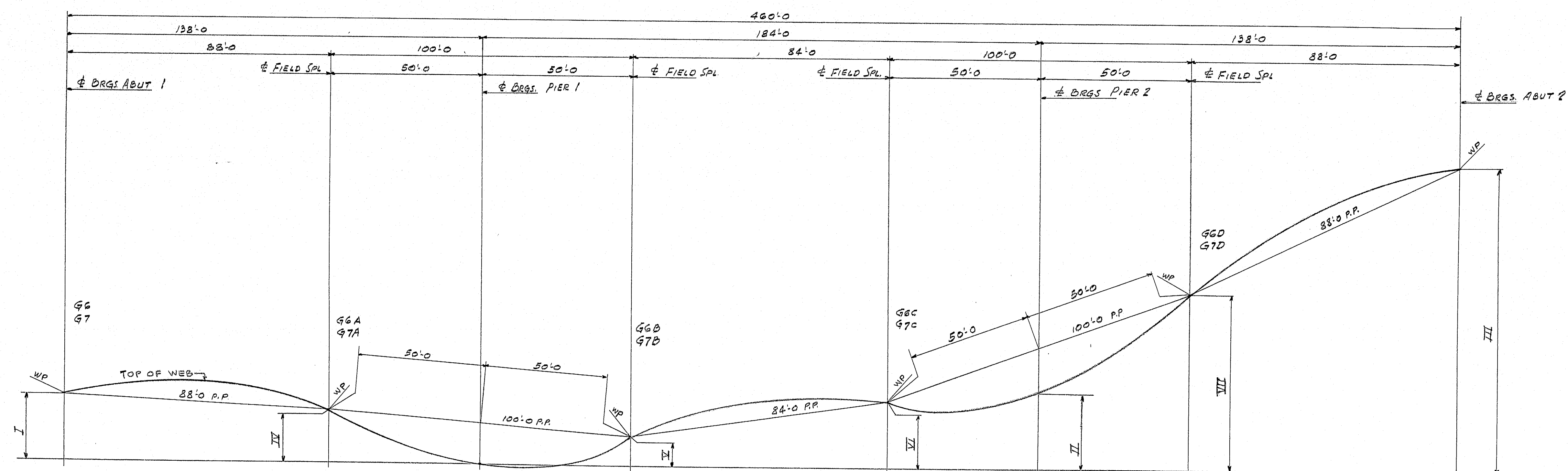






ASSEMBLY DIAGRAM  
LINES ① THRU ⑤ INCL.

LINE #	GIRDERS	I	II	III	IV	V	VI	VII
①	G1, G1A, G1B, G1C & G1D	4 1/2	9 3/4	1' 0 3/8	4 1/2	7 1/8	10 1/2	11 1/8
②	G2, G2A, G2B, G2C & G2D	4 1/2	9 3/4	1' 1 1/8	4 1/2	7 1/8	10 1/2	11 1/8
③	G3, G3A, G3B, G3C & G3D	4 1/2	9 3/4	1' 1 7/8	4 1/2	7 1/8	10 1/2	11 1/8
④	G4, G4A, G4B, G4C & G4D	4 1/2	9 3/4	1' 1 3/4	4 1/2	7 1/8	10 1/2	11 1/8
⑤	G5, G5A, G5B, G5C & G5D	1 3/4	6 3/8	1' 2 3/8	3	5 1/8	7 3/8	11 7/8



ASSEMBLY DIAGRAM  
LINES ⑥ & ⑦

LINE #	GIRDERS	I	II	III	IV	V	VI	VII
⑥	G6, G6A, G6B, G6C & G6D	1 1/2	4 1/8	1' 4 5/8	2 5/8	7 1/8	5	10 3/8
⑦	G7, G7A, G7B, G7C & G7D	4 3/8	9 1/8	1' 8 1/8	3 1/8	1 1/8	4 3/8	11 1/4

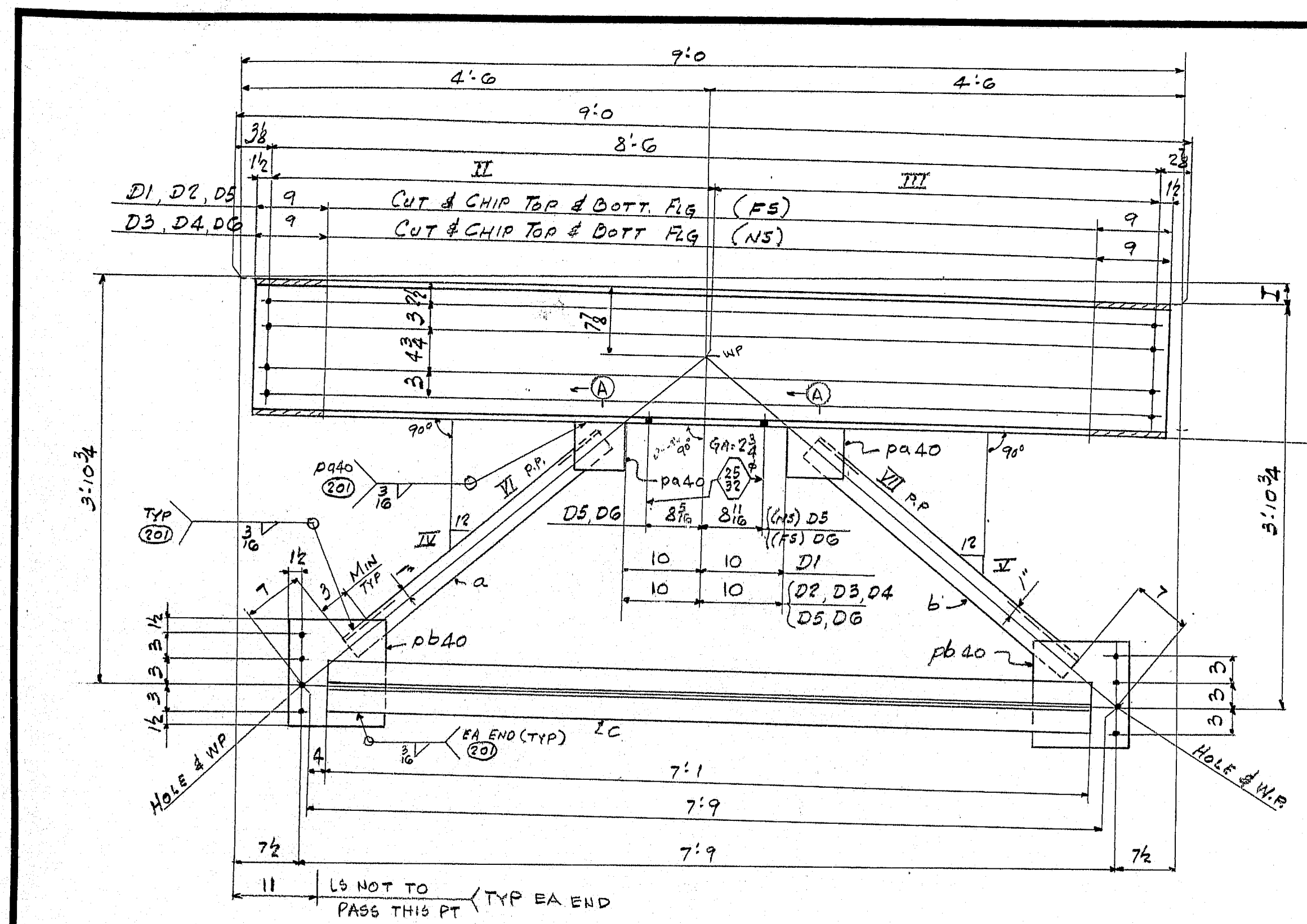
ALL DIMENSIONS ARE @ TOP OF GIRDER WEB

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

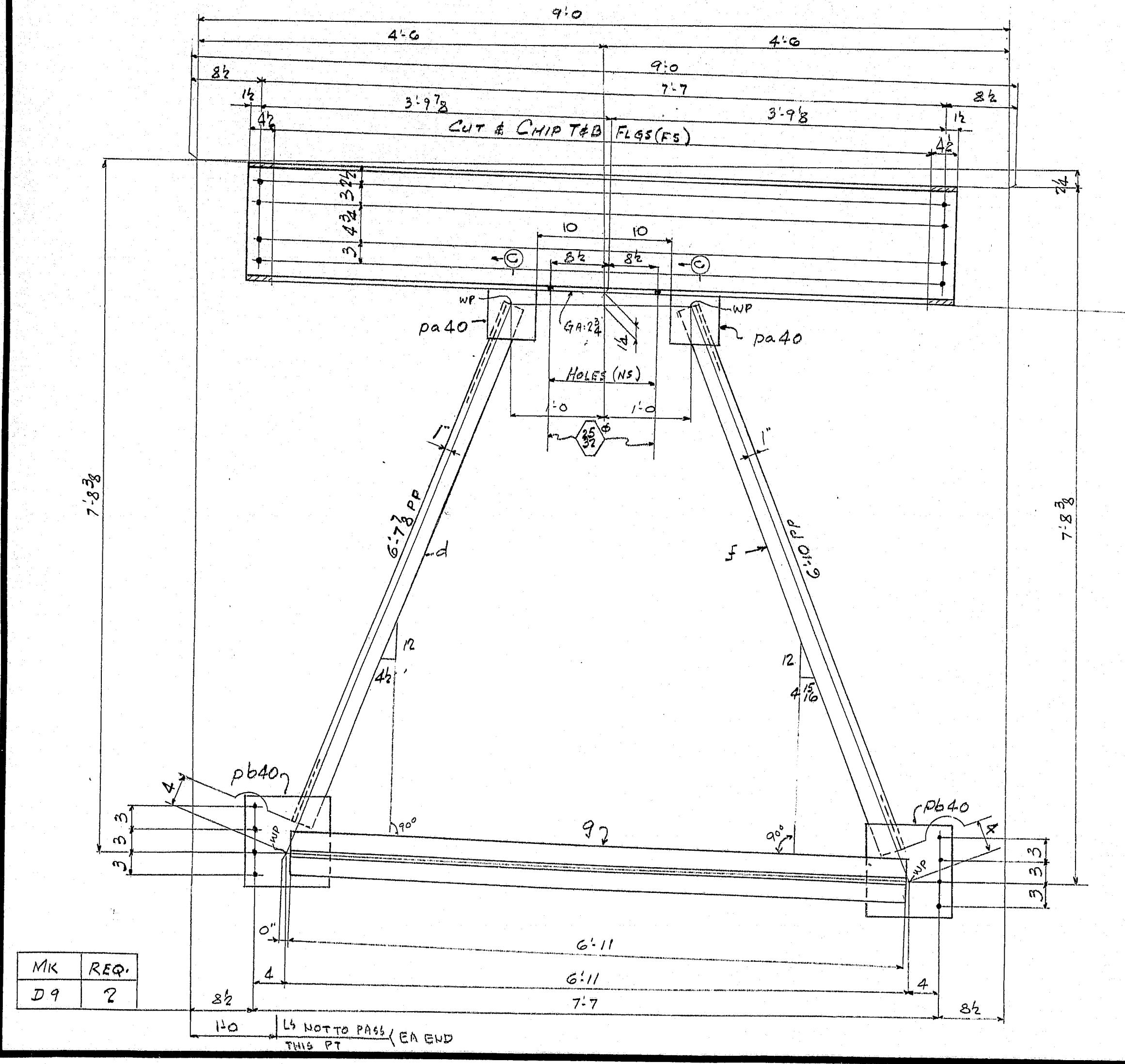
ASSEMBLY DIAGRAM	
LYONS IRON WORKS, Inc. MANCHESTER, N. H.	
BRIDGE OVER ALDOOSTON RIVER PRESQUE ISLE, MAINE	
ARCH.	
CONTR.	
HOLES	MADE BY T
RIVETS	CHECKED BY JB
PAINT	DATE 5-16-81
JOB NO. 202-81	SHEET NO. F39

177-132

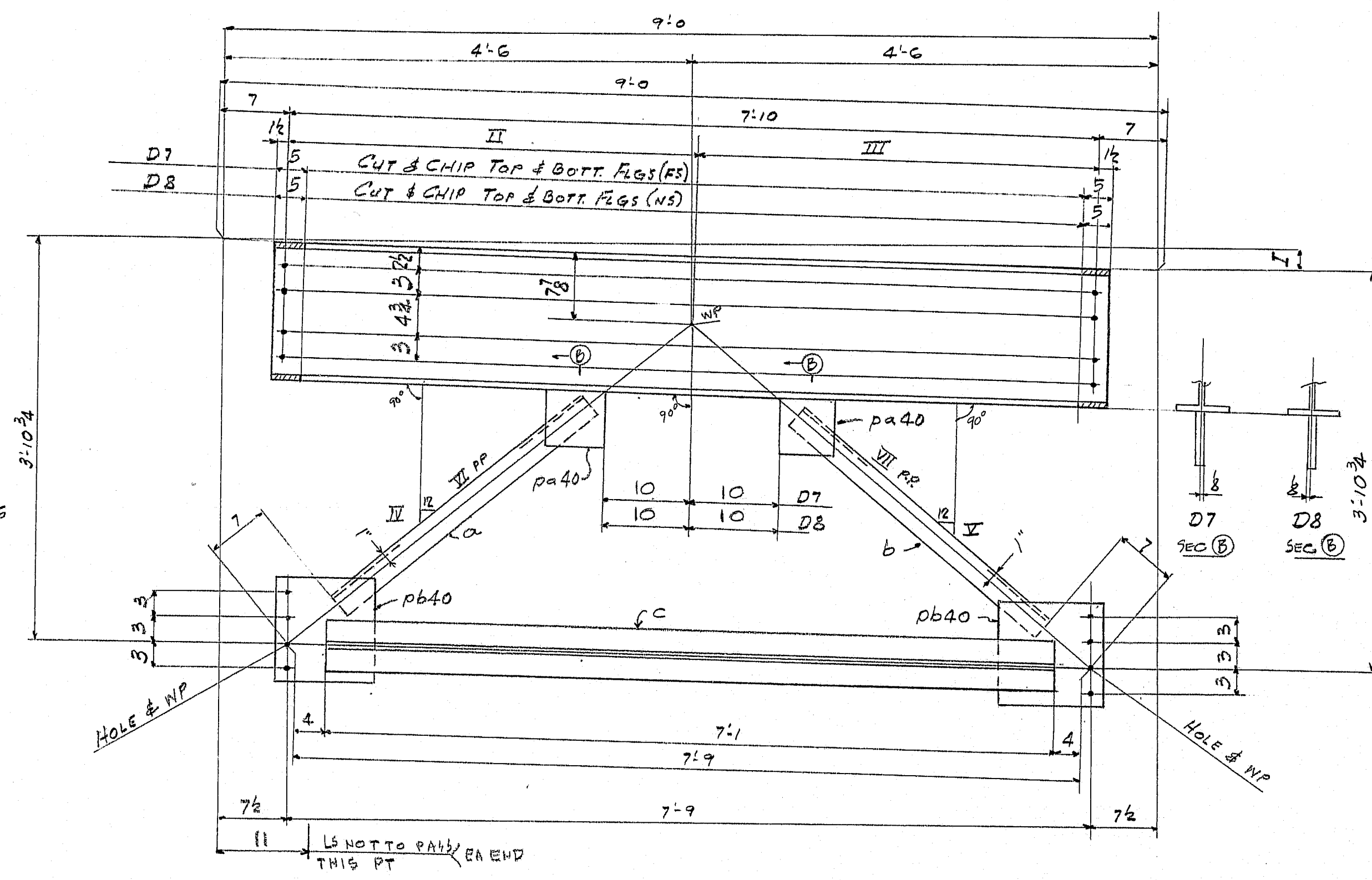




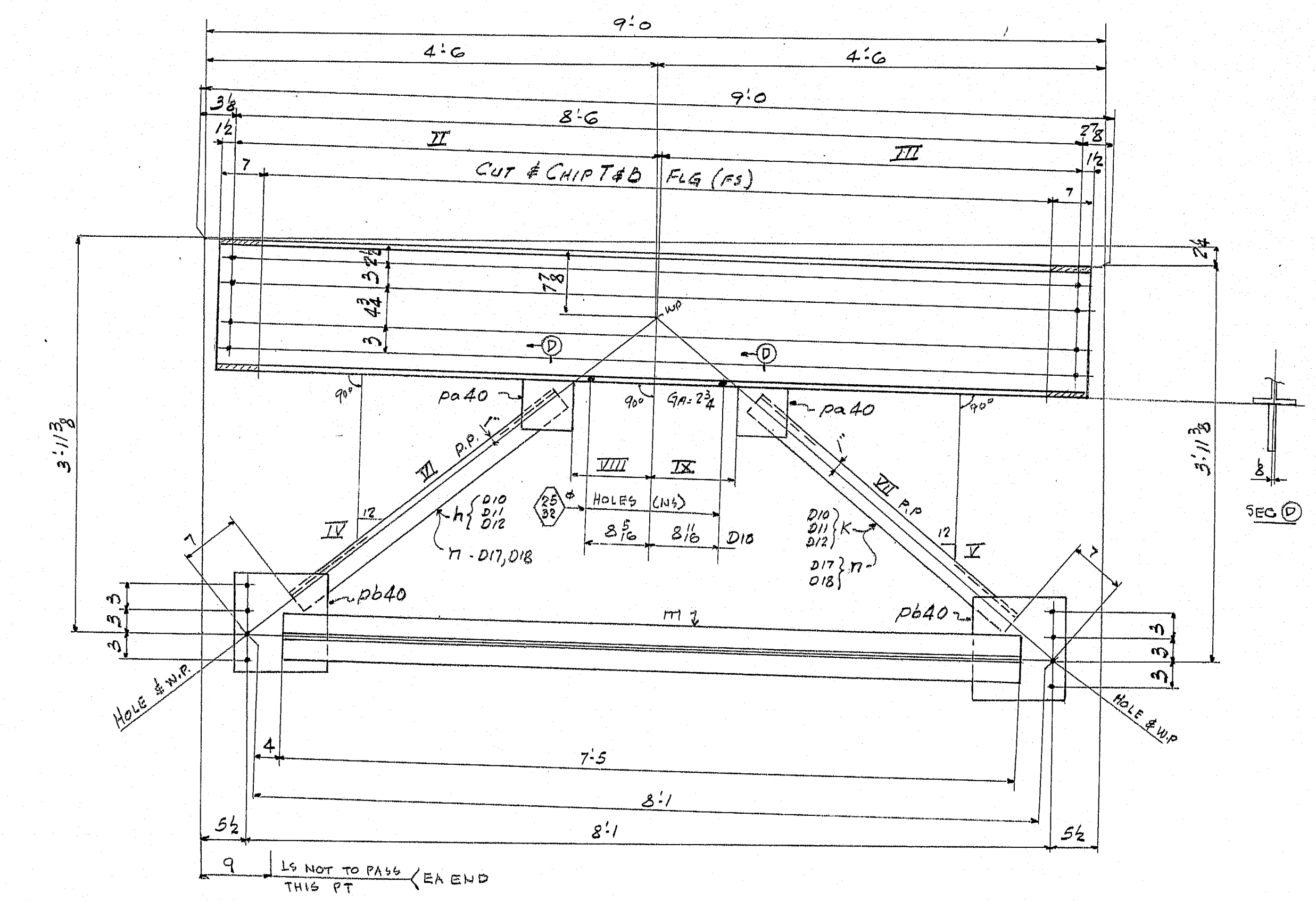
MARK	REQ	I	II	III	IV	V	VI	VII	VIII
D1	2	1 1/2	4' 3"	4' 3"	10 3/8	9 1/8	5' 0 3/8	5' 1 1/8	
D2	2	2 1/4	4' 3 1/8	4' 2 1/8	10 3/8	9 3/8	4' 11 3/8	5' 1 3/8	
D3	2	2 1/4					4' 11 3/8	5' 1 3/8	
D4	2	2 1/4					4' 11 3/8	5' 1 3/8	
D5	1	2 1/4			10 3/8	9 1/8	4' 11 3/8	5' 1 3/8	
D6	1	2 1/4			10 3/8	9 3/8	4' 11 3/8	5' 1 3/8	



MARK	REQ
D9	2



MARK	REQ	I	II	III	IV	V	VI	VII	VIII
D7	1	1 1/2	3' 11 3/8	3' 10 3/8	10 3/8	9 1/8	5' 0 3/8	5' 1 3/8	
D8	1	2 1/4	3' 11 3/8	3' 10 3/8	10 3/8	9 3/8	4' 11 3/8	5' 1 3/8	



MARK	REQ	I	II	III	IV	V	VI	VII	VIII
D10	4	2 1/4	4' 3 1/8	4' 2 1/8	9 3/8	9 3/8	5' 1 3/8	5' 1 3/8	10
D11	8								
D12	4								
D13	1	1/2	4' 2 3/8	4' 3 3/8	9 3/8	9 3/8	5' 2 3/8	5' 2 3/8	
D14	1	1/2	4' 2 3/8	4' 3 3/8	9 3/8	9 3/8	5' 2 3/8	5' 2 3/8	

VARIES SEE DETLS  
TYP TOP & BOTT FLS CUTS FOR WIGV26

BILL OF MATERIAL									
AMT.	ASSM MARK	SHAPE	Cut Length	Ord. Length	TER. NO.	REMARKS	WGT.		
2	D1	16W26	8	9					
2	D2								
2	D3								
2	D4								
1	D5								
1	D6								
10	a	1/2 x 3 x 1/2	3	1 1/2					
10	b	1	3	3					
10	c	5 WT11	7	6					
20	pa40	3/8 x 6	0	6					
20	pb40	3/8 x 11	1	0					
1	D7	16W26	8	1					
1	D8								
2	a								
2	b								
2	c								
4	pa40								
4	pb40								
2	D9	16W26	7	10					
2	d	1/2 x 3 x 1/2	6	3 1/2					
2	f	1	6	6					
2	g	5 WT11	6	4					
4	pa40								
4	pb40								
4	D10	16W26	8	9					
8	D11								
4	D12								
1	D13								
10	h	1/2 x 3 x 1/2	3	3 1/2					
10	k	1	3	4 1/2					
4	n	1	3	4					
18	m	5 WT11	7	5					
36	pa40								
36	pb40								

MATL 9588

APPROVED FOR CONSTRUCTION  
DATE 5/13/01

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BLDG. BRIDGE OVER ARROSTOCK RIVER  
PRESQUE ISLE, MAINE

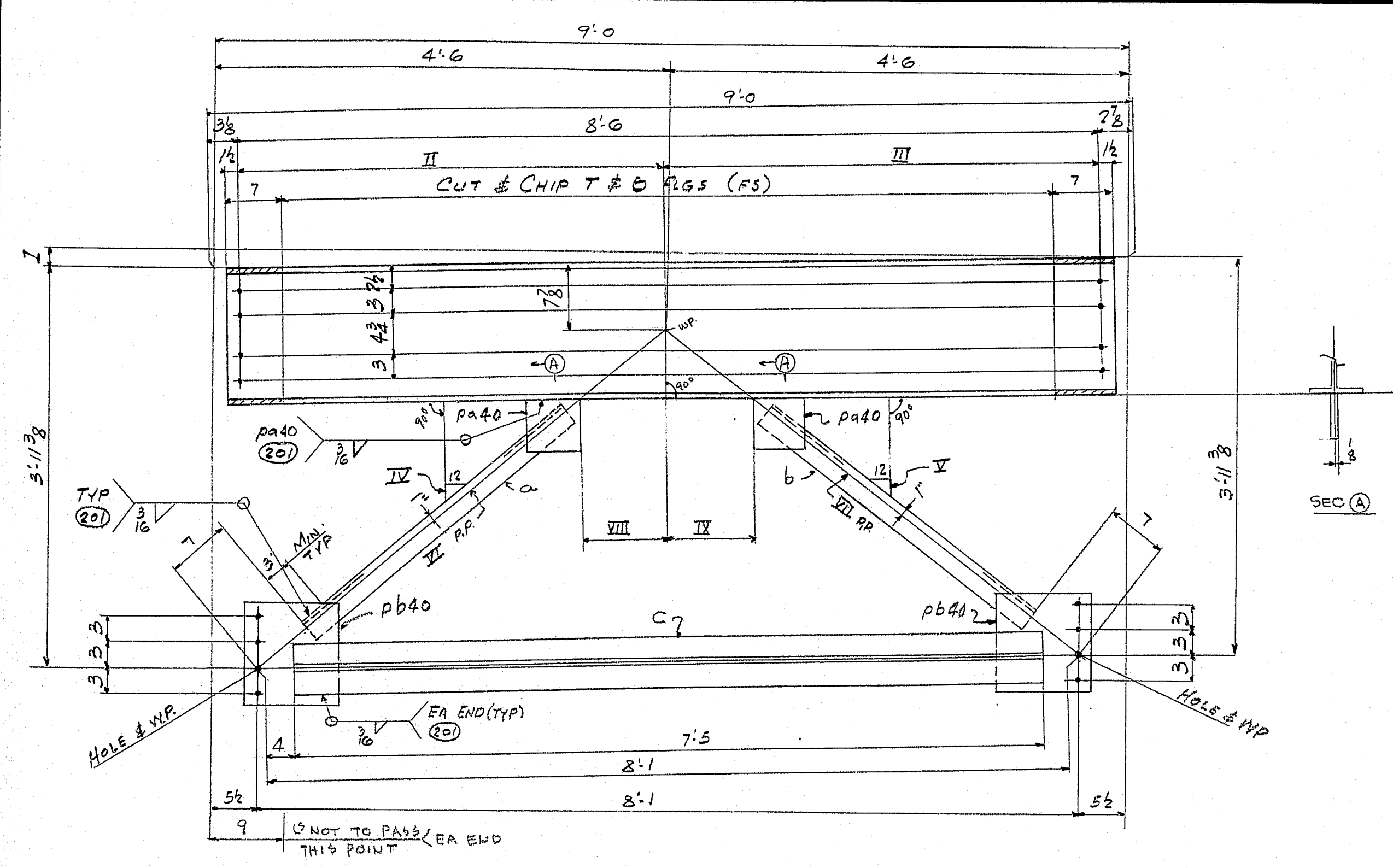
ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2 x 1/2 (MIN) \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT \_\_\_\_\_

MADE BY T \_\_\_\_\_  
CHECKED BY JB \_\_\_\_\_  
DATE 3-16-01

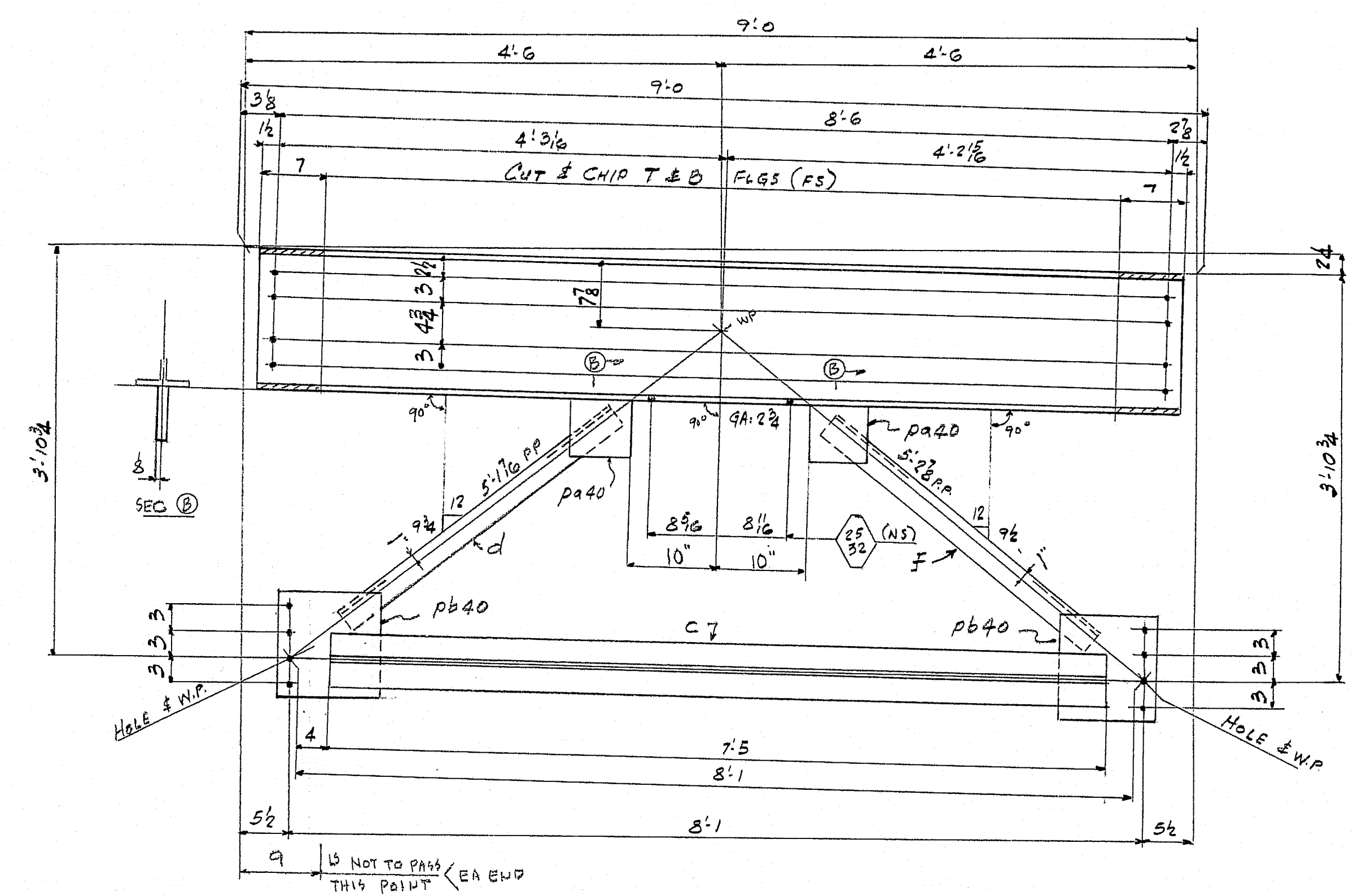
JOB NO. 202-81 SHEET NO. F40

177-133

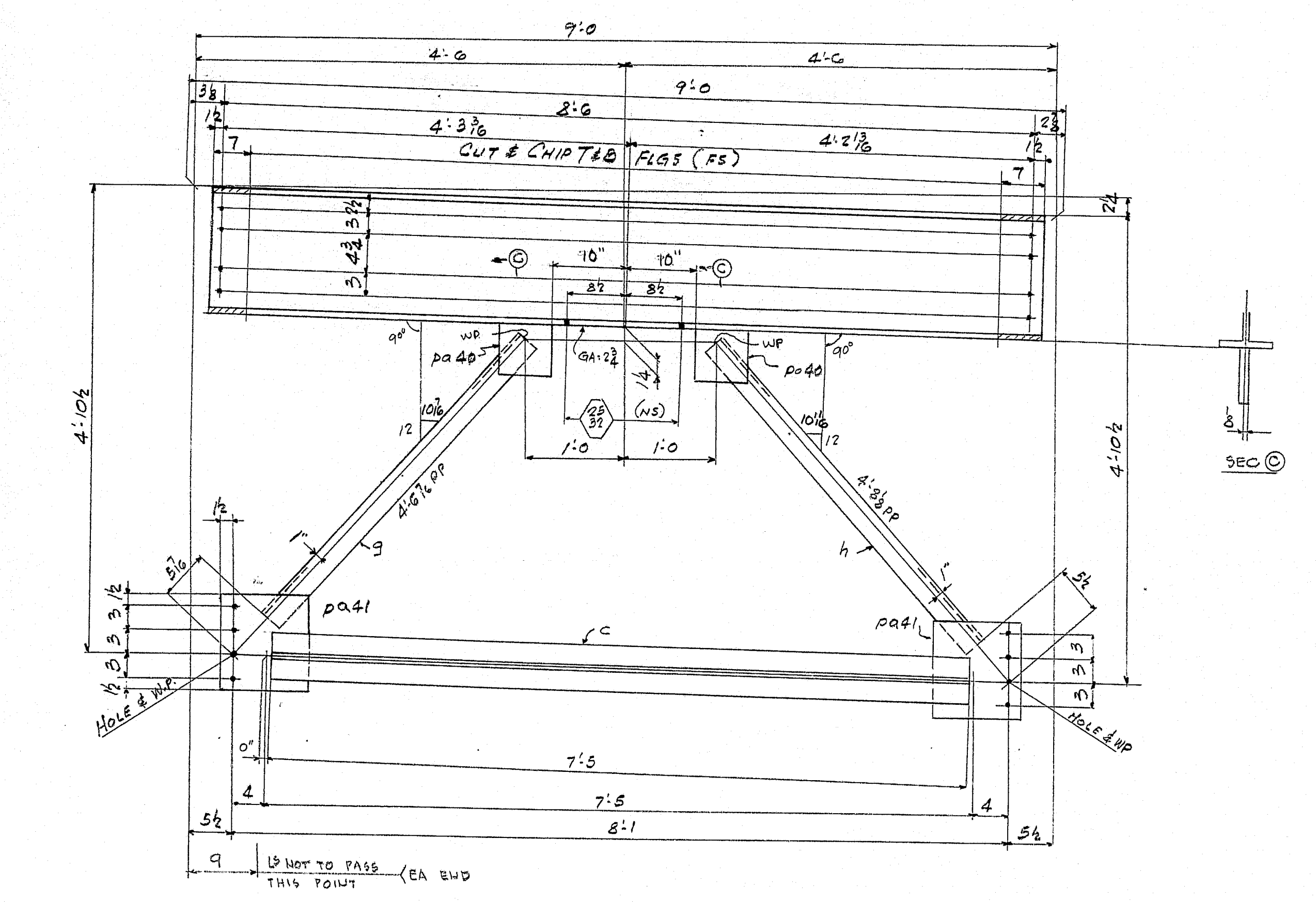




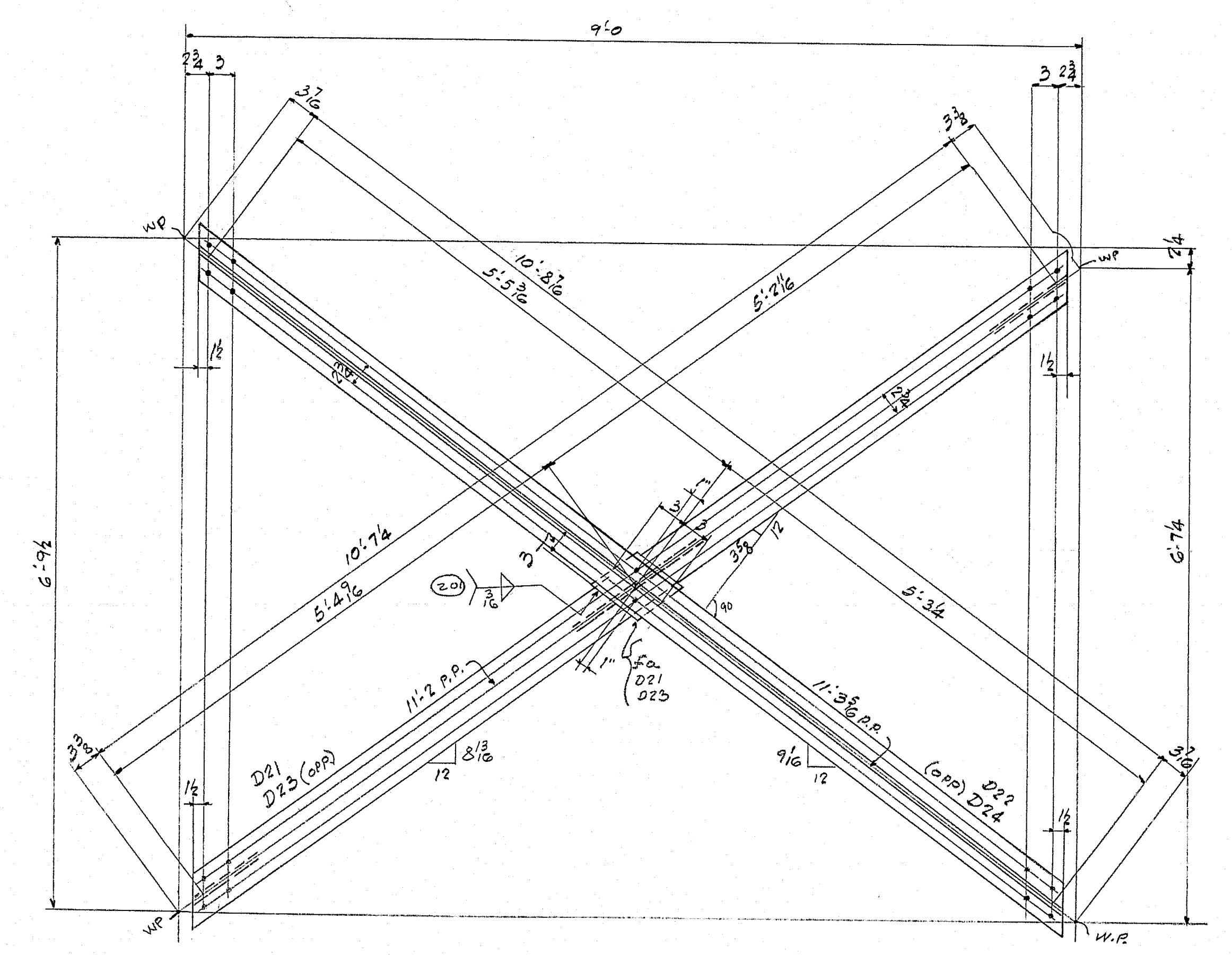
MARK	REQ	I	II	III	IV	V	VI	VII	VIII	IX
D13	2	1/2	4'2 3/8	4'3 3/8	9 1/2	9 1/2	5'2 3/4	5'2 3/8	10	10
D14	2	1/8			9 1/8	9 1/8	5'2 3/8	5'2 3/8		
D15	1	3/4			9 1/8	9 1/8	5'2 3/8	5'2 3/8		
D16	1	1			9 1/8	9 1/8	5'2 3/8	5'2 3/8		



MARK	REQ
D17	9



MARK	REQ
D20	4



MARK	REQ
D21	4
D22	4
D23	2
D24	2

BILL OF MATERIAL											
AMT.	ASSM MARK	SHAPE	Cut Length		Ord. Length		ITEM NO.	REMARKS	WGT.		
			FT.	INS.	FT.	INS.					
2	D13	16 W 26	8	9			P1				
2	D14										
1	D15										
1	D16										
6	a	3 x 3 x 1/2	3	44			D7				
6	b		3	33 1/2							
6	c	5 W 11	7	5			D2				
12	Pa40	3/8 x 6	0	6			P1				
12	Pb40	3/8 x 11	1	0							
9	D17	16 W 26	8	9			P1				
9	d	4 x 3 x 1/2	3	3			D7				
9	f		3	44							
9	c						D2				
18	Pa40						P1				
18	Pb40										
4	D20	16 W 26	8	9			D1				
4	g	4 x 3 x 1/2	4	1			D7				
4	h		4	2 3/8							
4	c						D3				
8	Pa40						P1				
8	Pa41	3/8 x 9 1/2	1	0							
4	D21	4 W 9	11	2 3/8			D6				
4	D22		11	4 1/2							
2	D23		11	2 3/8							
2	D24		11	4 1/2							
6	fa	1 x 6	0	7 1/2	9	2	REF	(484)	0 2 1/2	0 2 1/2	

MATL A588

VARIES SEE DETLS

TYP TOP & BOT FLG CUTS FOR W16x26

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

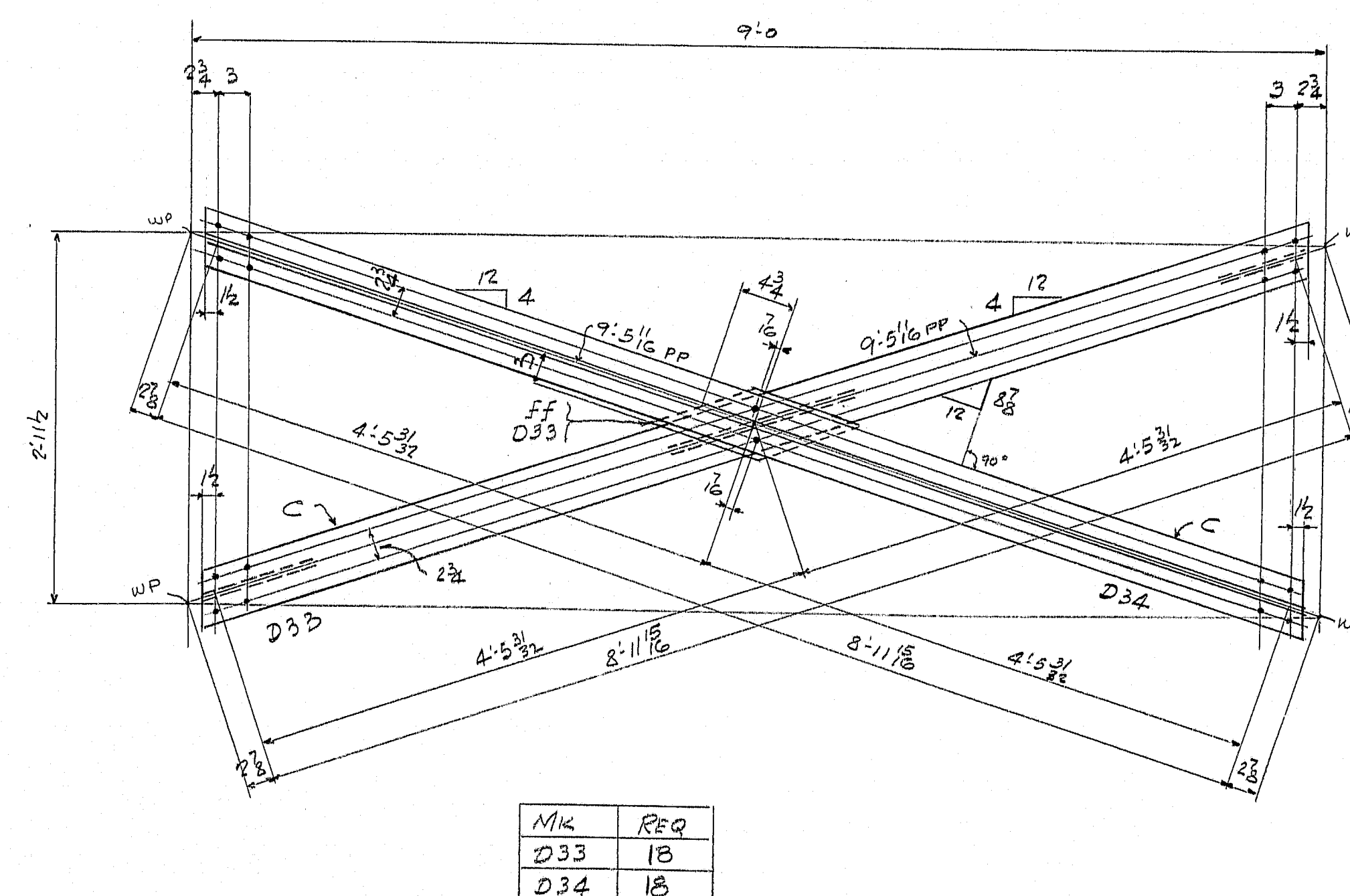
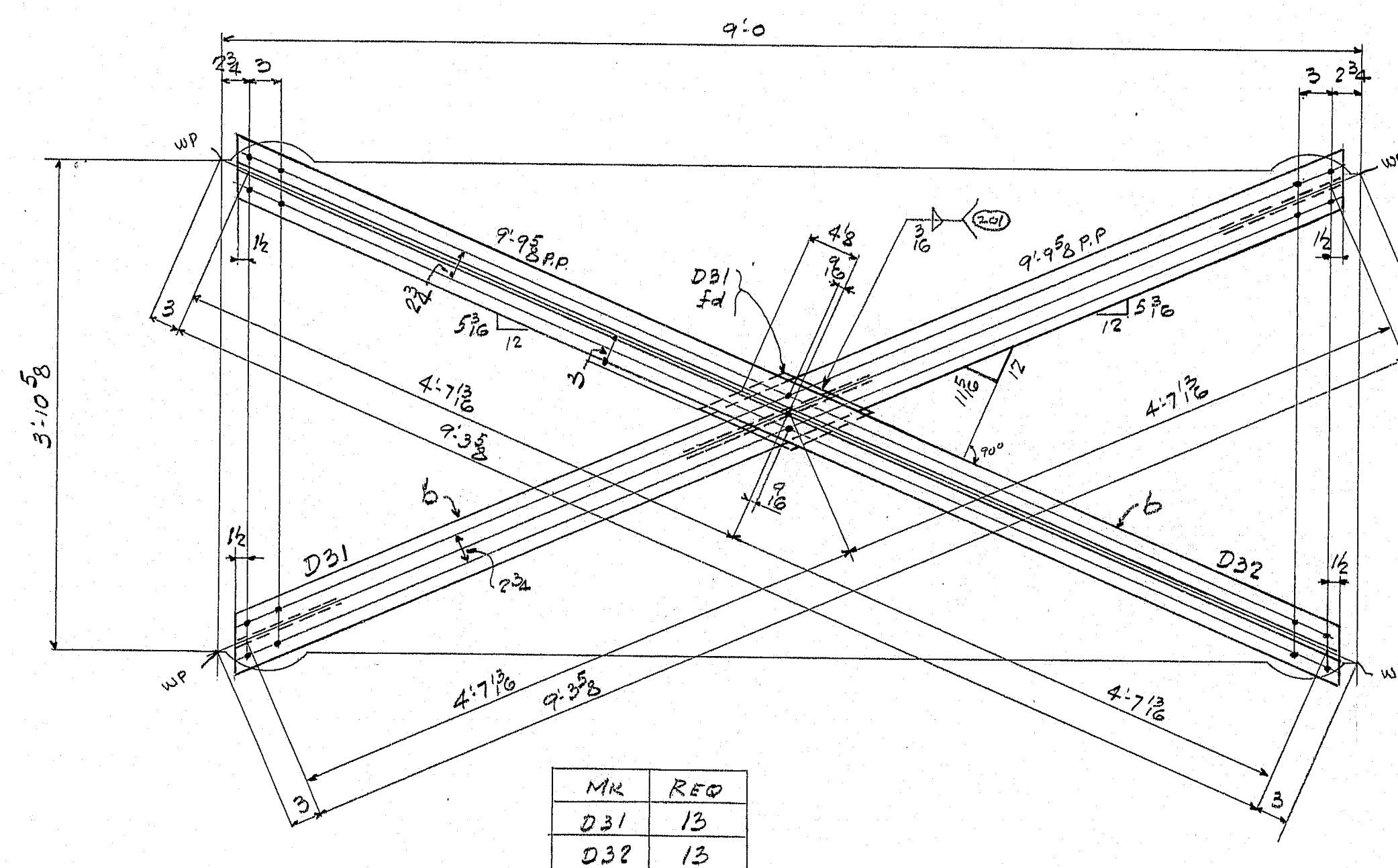
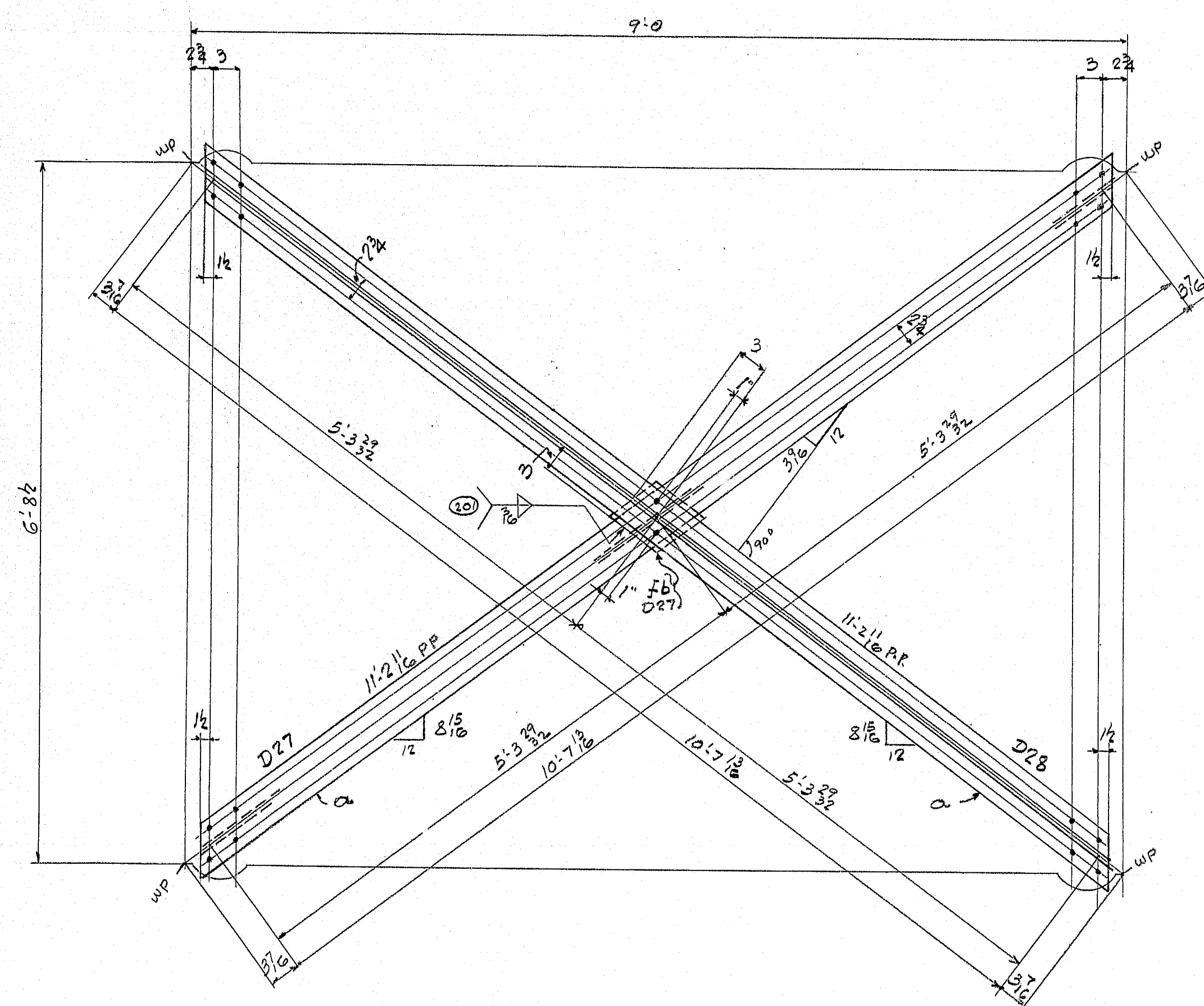
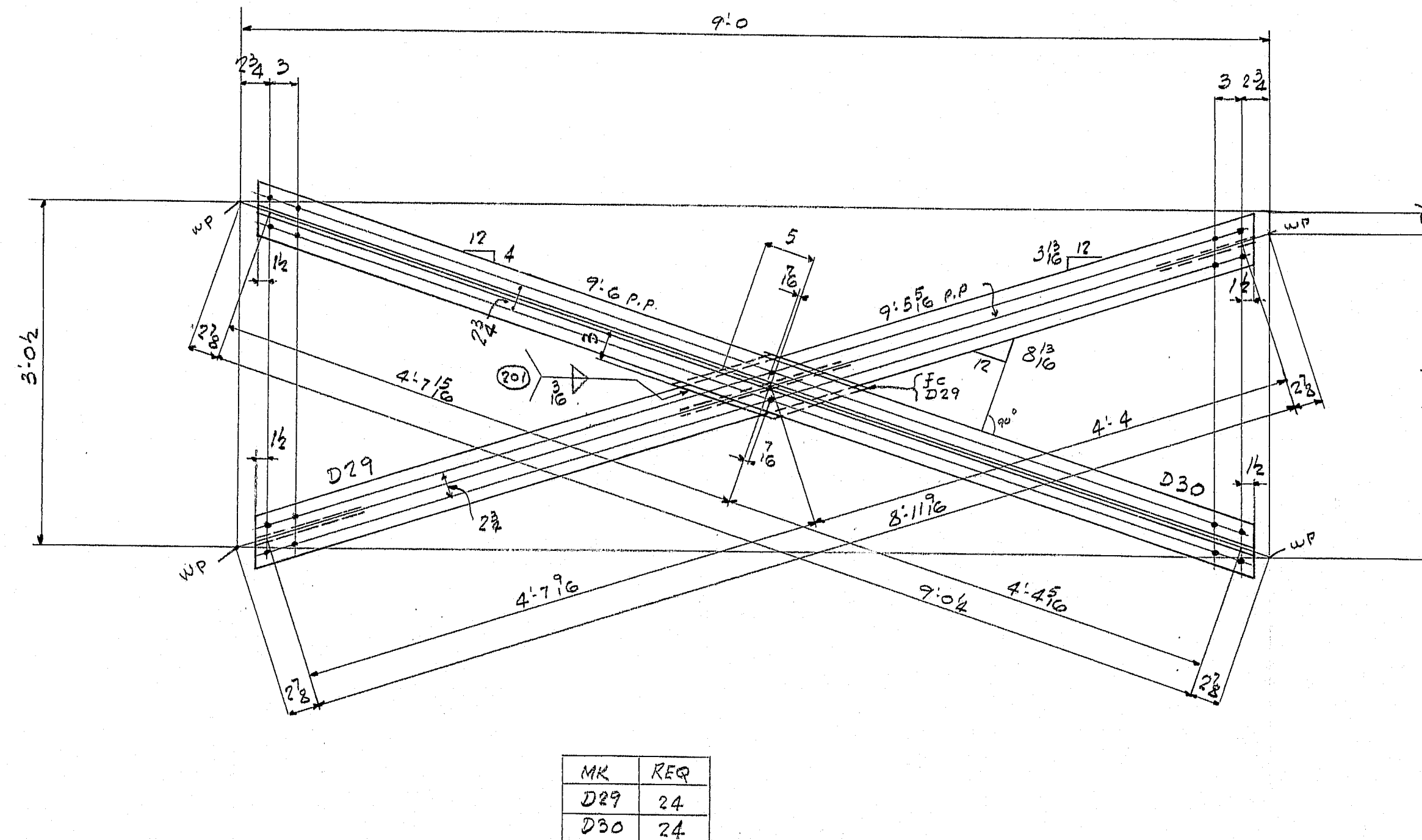
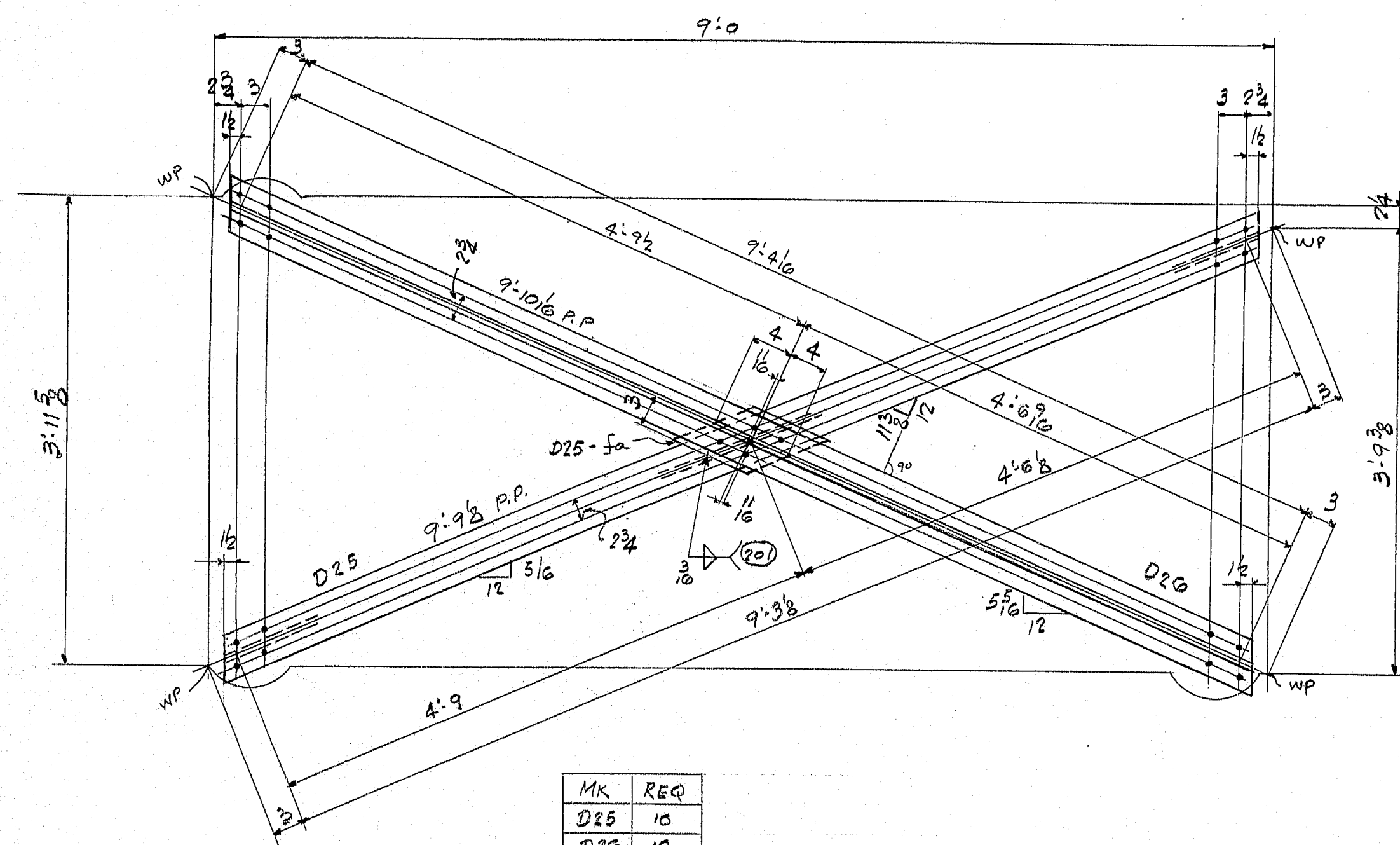
BLDG. BRIDGE OVER ARROSTOCK RIVER  
PRESQUE ISLE, MAINE

ARCH. \_\_\_\_\_  
CONTR. \_\_\_\_\_  
HOLES 1/2" E. H.N. \_\_\_\_\_  
RIVETS \_\_\_\_\_  
PAINT NONE \_\_\_\_\_  
JOB NO. 202-81 SHEET NO. F41

MADE BY T. \_\_\_\_\_  
CHECKED BY J.B. \_\_\_\_\_  
DATE 3-16-81

177-134





BILL OF MATERIAL									
AMT.	ASSEM MARK	SHAPE	Out Length FT. INS.	Ord. Length FT. INS.	ITEM NO.	REMARKS	WGT.		
10	D25	4 WT 9	9 8 1/2	49 5	D5				
10	D26	1	9 7 3/8	1 1	1				
10	Fa	3/8 x 6	1 1 1/2	10 0	P1	(50W) D25			
4	D27								
4	D28								
8	a	4 WT 9	11 3 1/2	56 11	D6				
4	Fb	1 x 6	0 7 1/2	9 2	REF.	(48W) D27			
24	D29	4 WT 9	9 4 3/8	48 8	D4				
24	D30	1	9 5 3/8	1 1	1				
24	Fc	3/8 x 6	1 6 7/8	10 0	P1	(50W)			
13	D31								
13	D32								
26	b	4 WT 9	9 9 3/8	48 8	D5	D31, D32			
13	fd	3/8 x 6	1 1 1/2	10 0	P1	(50W)			
18	D33								
18	D34								
30	c	4 WT 9	9 4 1/8	48 8	D4				
13	ff	3/8 x 6	1 5 3/8	10 0	P1	(50W)			
75	D35	5 WT 11	8 9 1/2	44 3	D3				
20	M1	8 C 11.5	8 9 1/2						
LIST OF FIELD BOLTS									
1155	3/4 x 5/8	0 4							
460	0 3/4								
2020	0 3/4								
25	0 3								
460	0 2 3/4								
20	0 2 1/2								
135	0 2 1/4								
2900	0 2								
6575	1/2 x 8 D. HARD WSHRS								
380	3/4 x 5/8	0 1 1/2							
A325 TYPE 3 (FOR FLEMING BOLTS)									

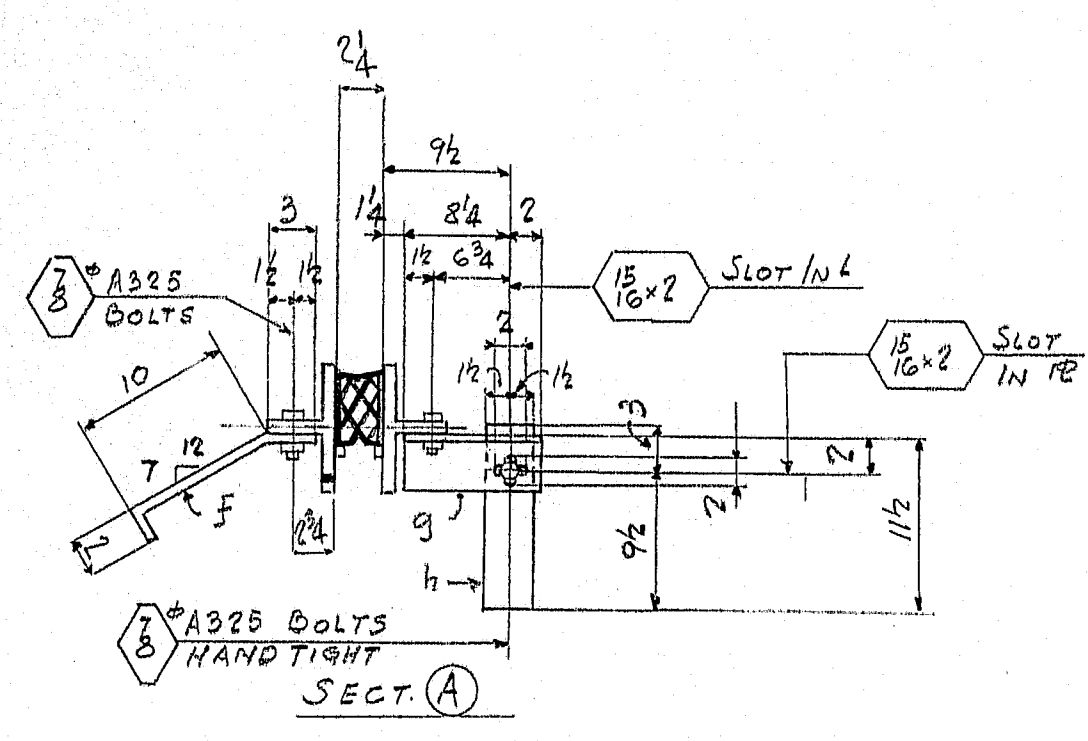
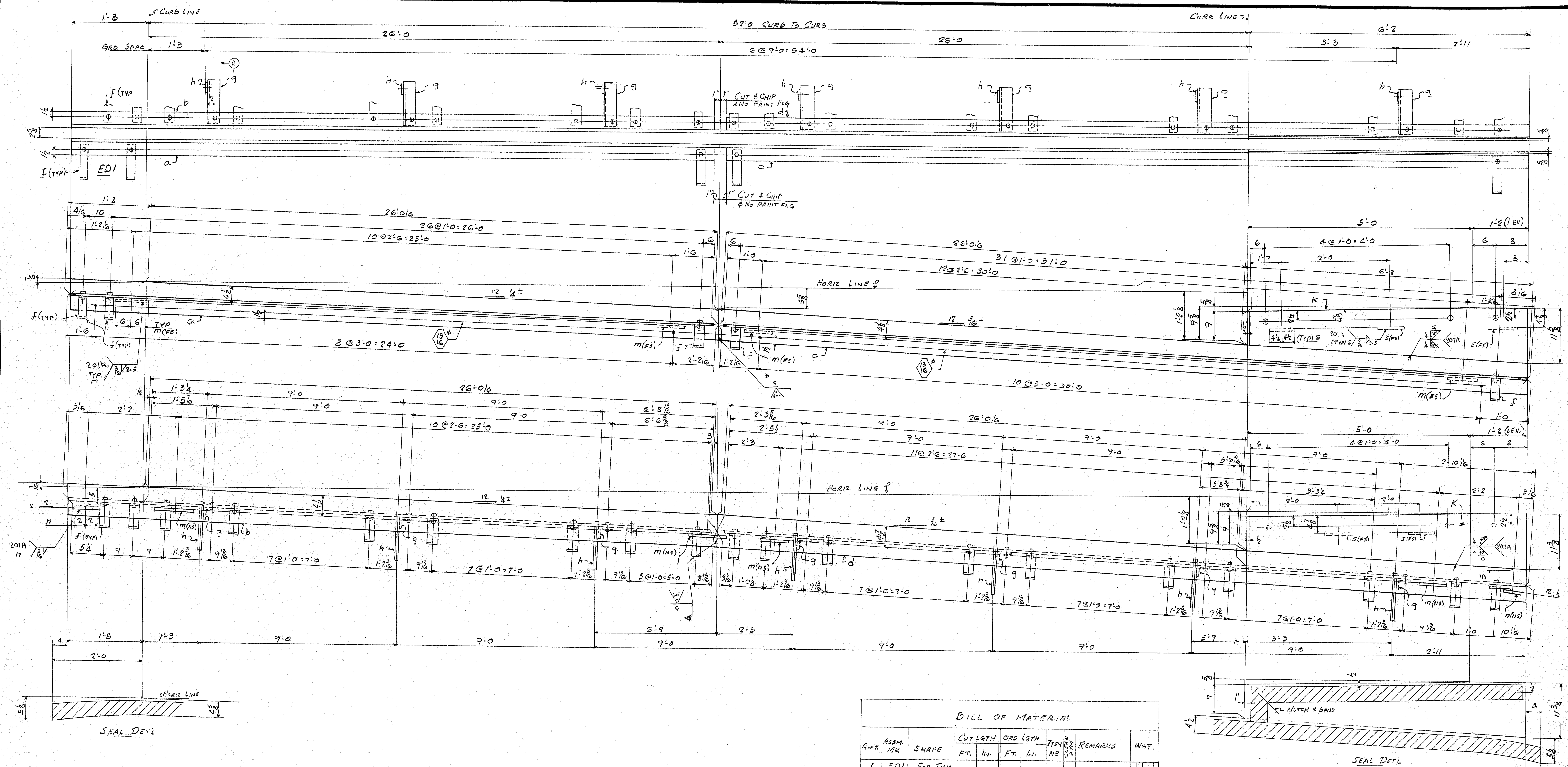
MATERIAL - A588

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

<b>LYONS IRON WORKS, Inc.</b> MANCHESTER, N. H.	
BLDG. BRIDGE OVER BROOKS RIVER PRESQUE ISLE, MAINE	
ARCH.	MADE BY
CONTR.	CHECKED BY
HOLES 1/2 x UN	DATE
RIVETS	
PAINT NONE	
JOB NO. 102-81	SHEET NO. F42

177135





BILL OF MATERIAL									
AMT.	ASSM.	SHAPE	CUT LGTH		ORD LGTH		ITEM	REMARKS	WGT
	NO.		FT.	IN.	FT.	IN.	NO.		
1	ED1	EXP DAM							
1	a	4WT24	27	3/4	27	10	E1		
1	b		1	1	1	1	E1		
1	c		32	24	37	4	E2		
1	d		1	1	1	1	E2		
113	f	3/8 x 24	1	3			SK	BENT	
7	g	1/2 x 3/4 x 3/8	0	10 1/4			SK		
7	h	3/8 x 3/8	1	0 1/2			SK		
2	k	3/8 x 1 1/2	6	1 1/2			SK		
47	m	3/8 x 3/8	1	0			SK		
2	n		0	4			SK		
5	s		0	9			SK		
127		3" A325	0	2					
134		3" A325 R2 WASHERS							
1		D.S. BROWN H3500 (1/8" MINIMUM)	4	1/2	4	1/2			
1			1	1	1	1			

MAT'L A36

APPROVED FOR CONSTRUCTION  
DATE 5/13/81

EXP DAM DETL

**LYONS IRON WORKS, Inc.**  
MANCHESTER, N. H.

BRIDGE OVER ARROSTOCK RIVER  
PRESQUE ISLE, MARINE

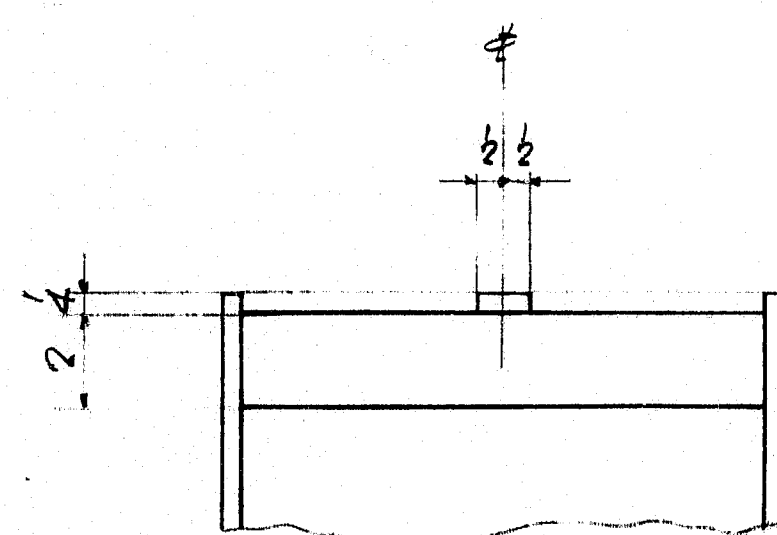
ARCH.  
CONTR.  
HOLES 1/2" U.N.  
WASHERS 3" A325  
PAINT AS PER SPEC  
WHERE NOTED

MADE BY T.  
CHECKED BY J.B.  
DATE 5-18-81

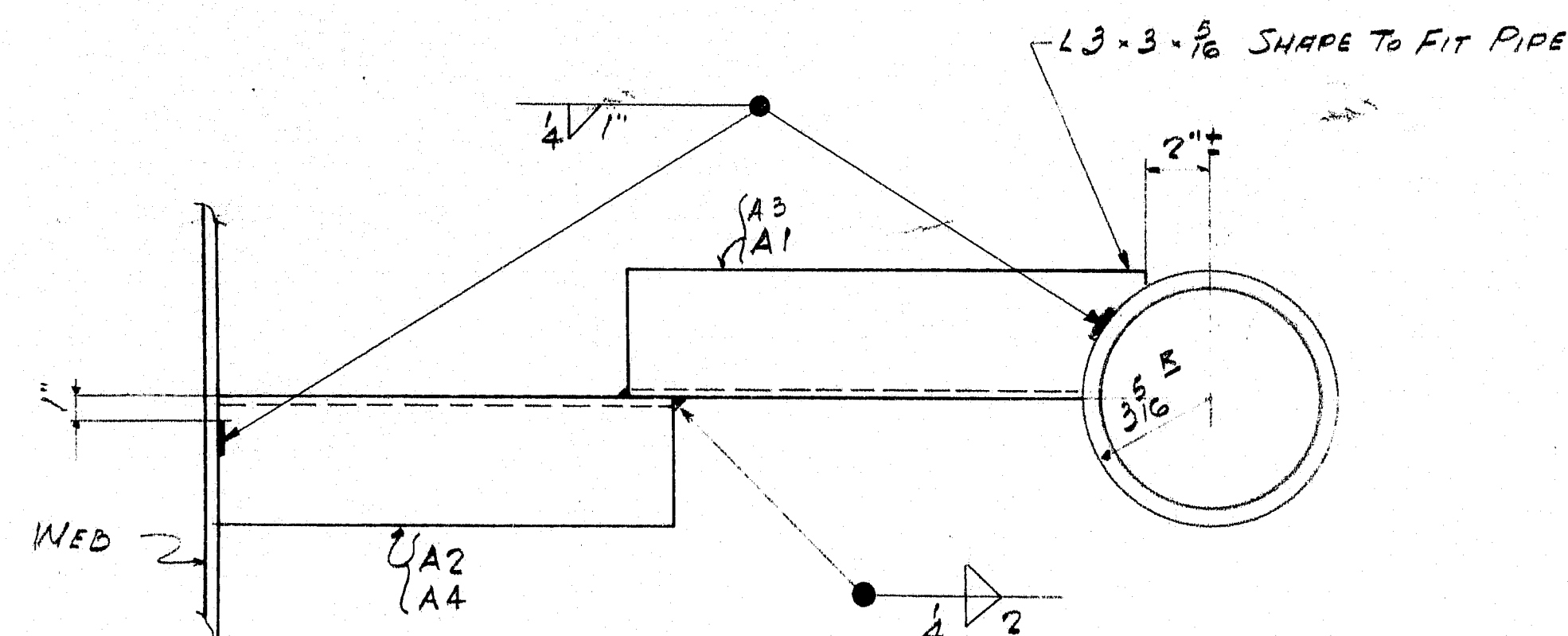
JOB NO. 202-81 SHEET NO. F43

177-136

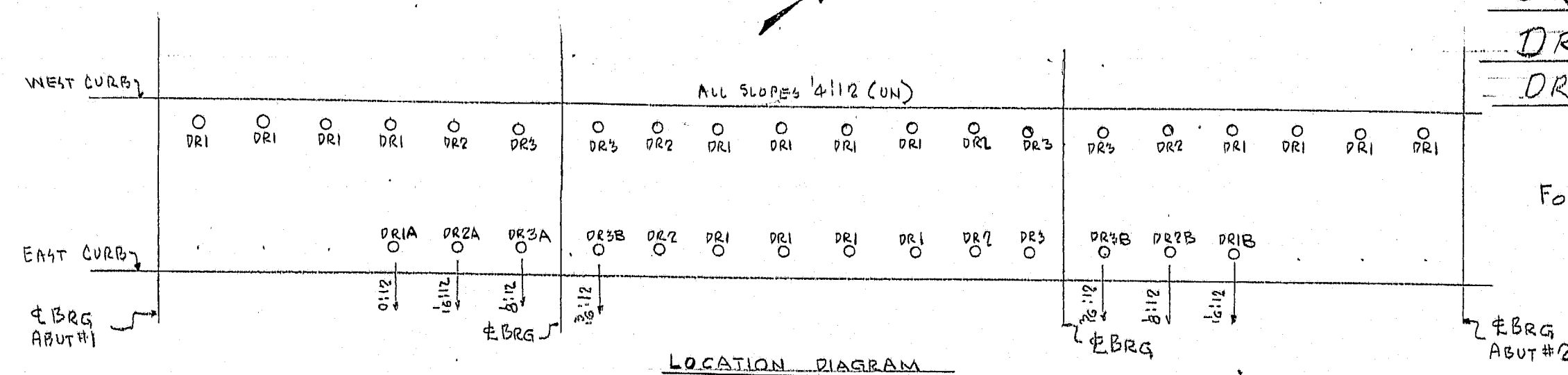




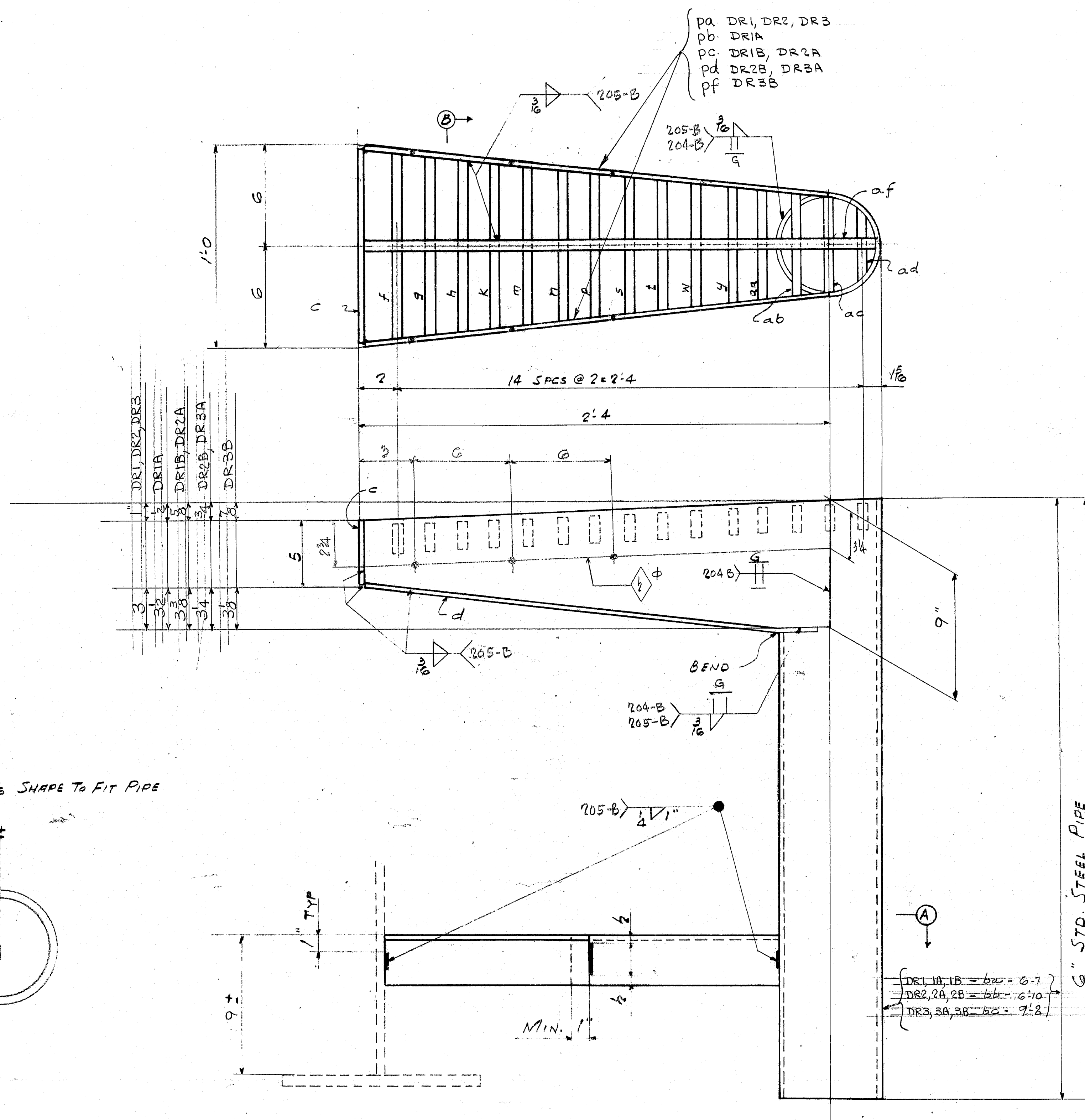
SECT. B



20 - REQ'D - A1  
20 - REQ'D - A2  
14 - REQ'D - A3  
14 - REQ'D - A4



FOR SPACING SEE DESIGN DWG.



BILL OF MATERIAL									
AMT	ASSM MARK	SHAPE	Cut Length FT. INS.	Ord. Length FT. INS.	ITEM NO.	REMARKS	WGT.		
16	DR1	DRAIN	ONE	DR1A	ONE	DR1B			
6	DR1	DRAIN	ONE	DR2A	ONE	DR2B			
5	DR3	DRAIN	ONE	DR3A	2	DR3B			
34	C	R 4 x 4 1/2	0	1 1/2					
34	d	R 4 x 1 1/2	2	5					
34	F	R 2 x 2	0	1 1/2					
34	g		0	10 3/4					
34	h		0	10 3/4					
34	K		0	7 1/2					
34	m		0	7 1/2					
34	n		0	7 1/2					
34	P		0	3 1/2					
34	S		0	8 3/2					
34	t		0	8					
34	W		0	7 1/2					
34	Y		0	7 1/2					
34	aa		0	6 1/2					
34	ab		0	6 1/2					
34	ac		0	6					
34	ad		0	5					
34	af	DR 4 x 1	2	6 3/4					
18	ba	STD PIPE 6"	6	7		DR1, DR1A, DR1B			
8	bb		6	10		DR2, DR2A, DR2B			
8	bc		9	8		DR3, DR3A, DR3B			
54	pa	R 4 x 9	2	3 1/2		DR1, DR1A, DR1B			
2	pb		2	3 1/2		DR1A			
4	pc		2	3 1/2		DR1B, DR2A			
4	pd		2	3 1/2		DR2B, DR3A			
4	pf	R 4 x 9	2	3 1/2		DR3B			
ANGLES									
20	A1	L3 x 3 x 1/2	0	7 1/2		A588			
20	A2		0	7 1/2					
14	A3		1	7					
14	A4		1	7					

MAT'L A36 (U.N.)  
WELD E70XX  
CLEAN SSPC-SPC

APPROVED FOR CONSTRUCTION  
DATE 6/3/81

DRAIN DETLS		DR1 DR2 DR3
LYONS IRON WORKS, Inc. MANCHESTER, N. H.		
BRIDGE OVER ARROSTOCK RIVER PRESQUE ISLE, MAINE		
ARCH.	CONTR.	MADE BY T
HOLES AS NOTED	CHECKED BY JB	
PAINT	DATE 3-18-81	
JOB NO. 202-B1	SHEET NO. F44	

177-137