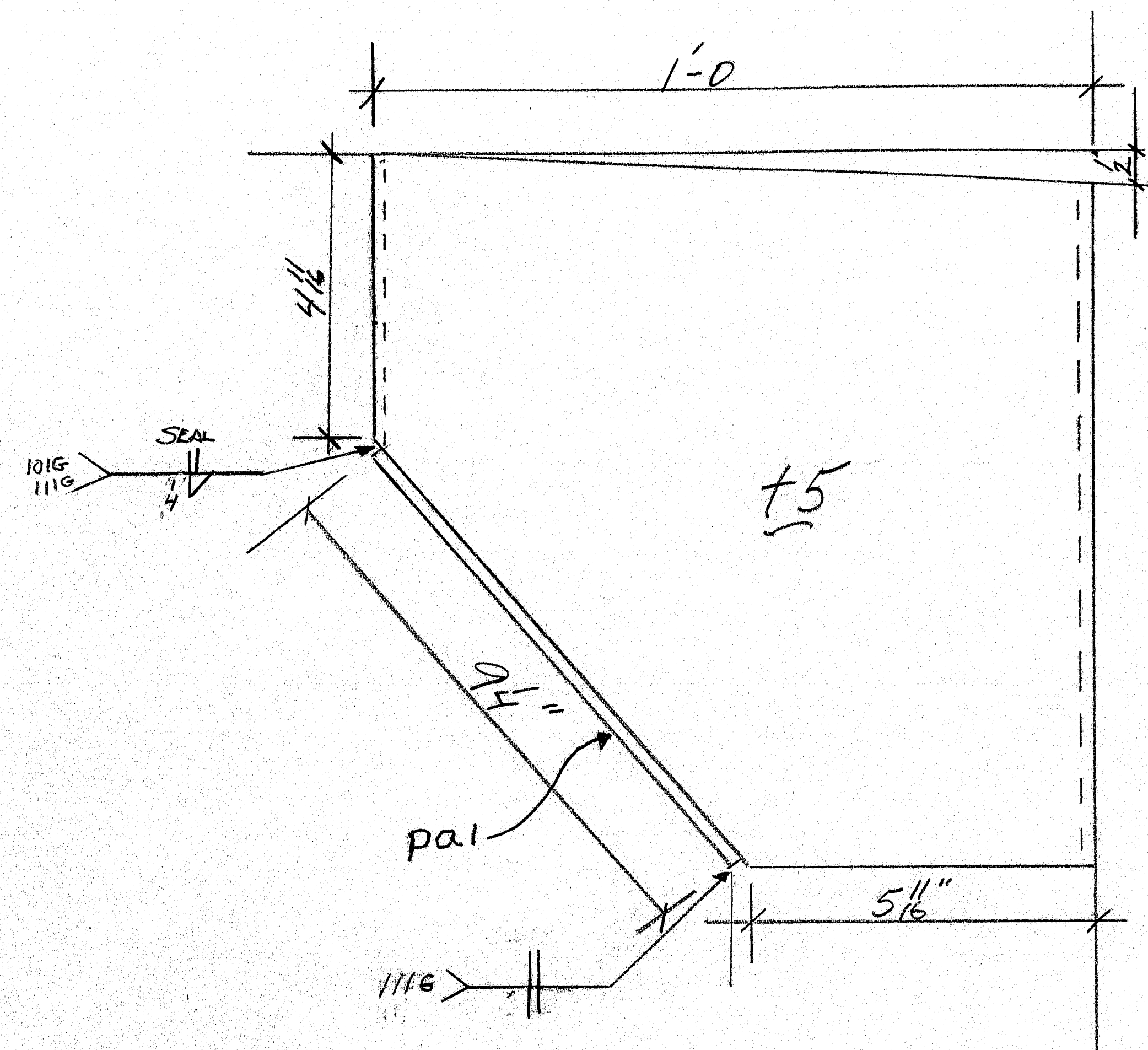




SHOP NOTE: WELD P-1 TO T5
PRIOR TO WELDING T5 TO DOWNSPOUT

19-DA1	43 x 3 x 16 x 3411	SOUTH SIDE
19-DA2	DO x 143	NORTH SIDE

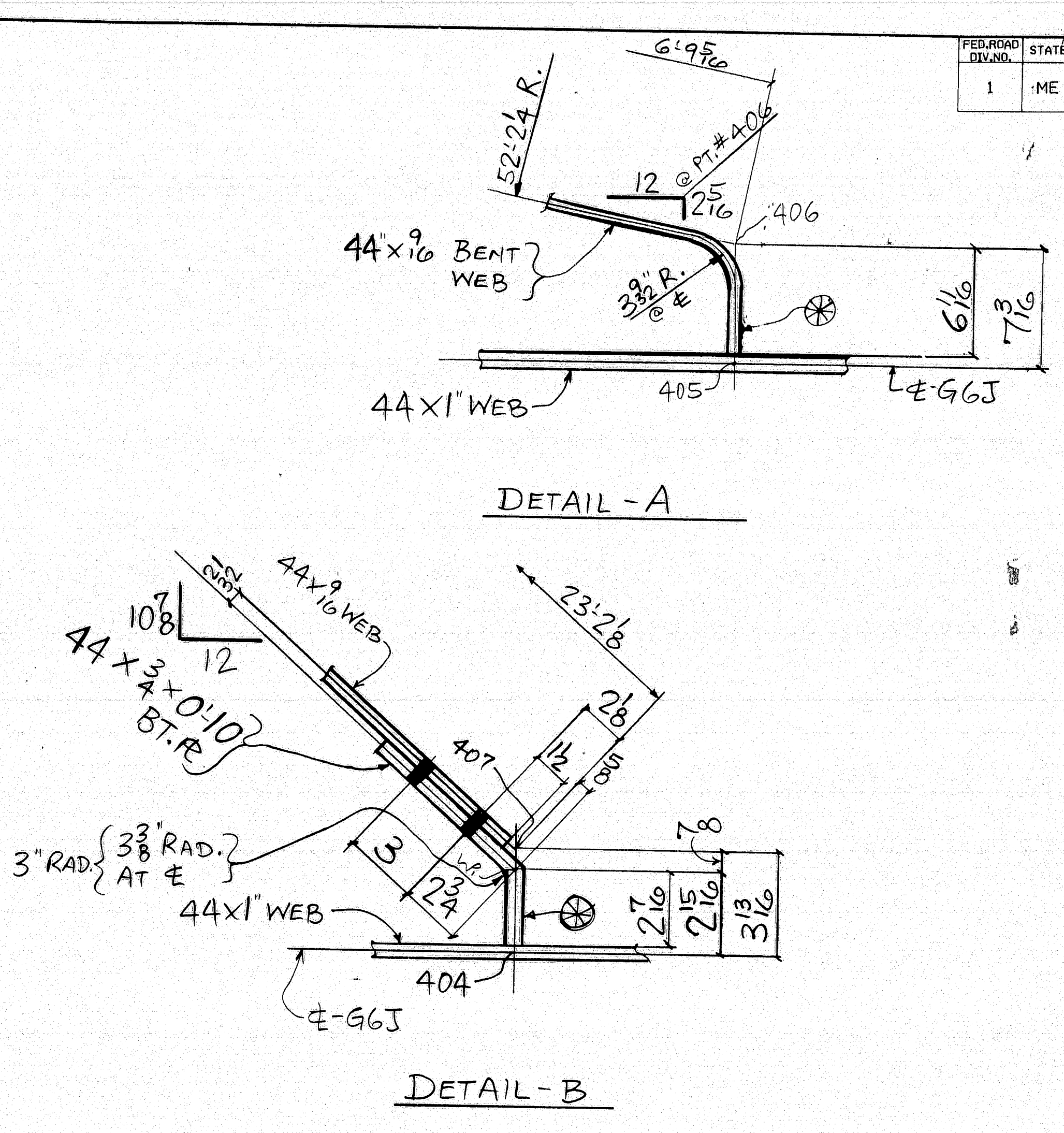
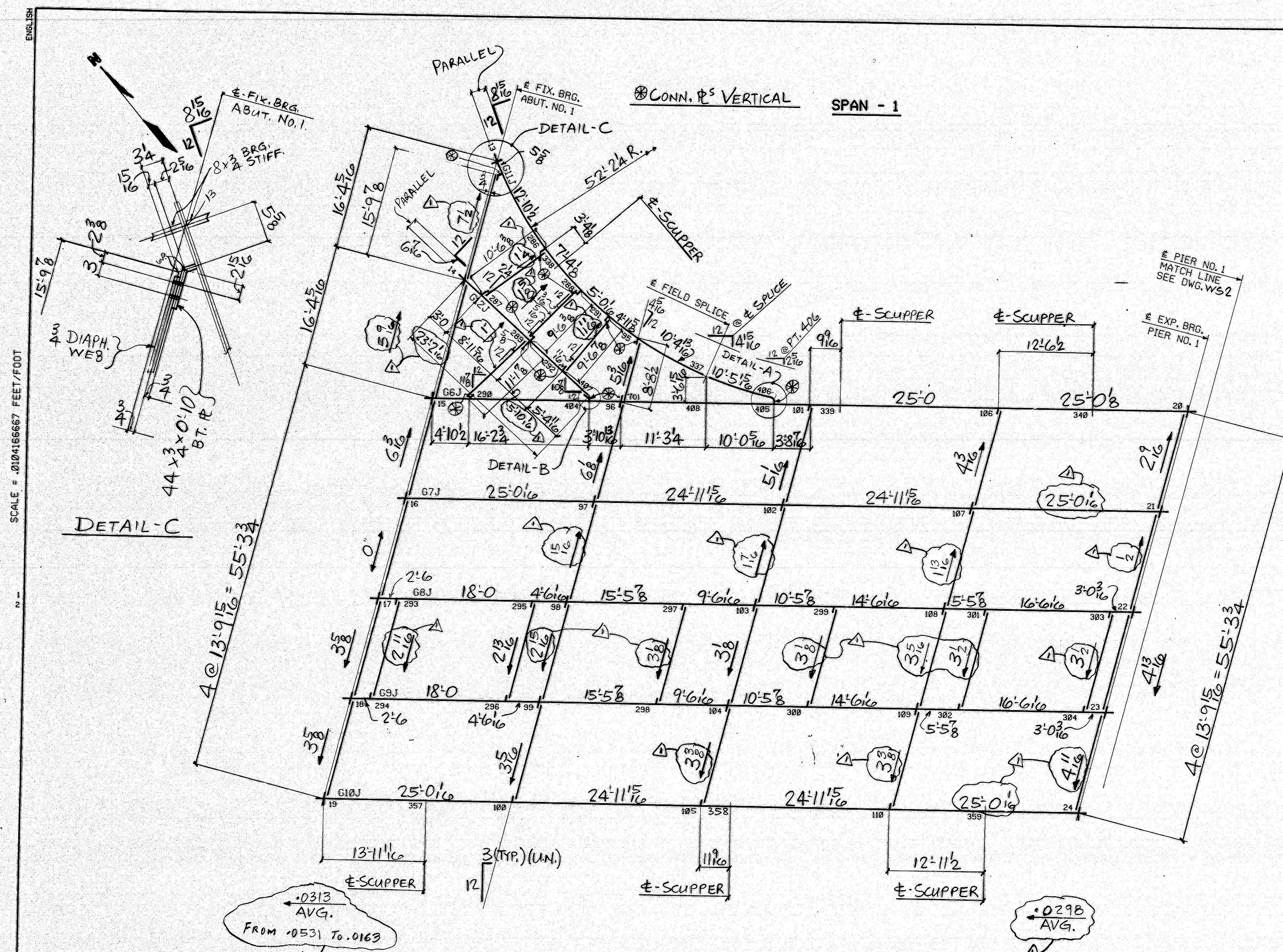
ABM INFO		SHOP BILL				JOB NO. 9009	DWG. NO. M11		
PAGE	LINE	NO.	DESCRIPTION	FT	IN	ASSEM. MARK	SHIPPING MARK	REMARKS	WEIGHT
		6	DRAINS	5	9		DR1		—
		6	DO	5	9		DR1A		—
1	A	12	TSBx6x4	4	9	11		ASSEM. MARK	—
1	E	12	TS/2x8x4	1	0	15		DO	—
1	F	12	TSBx6x4	9	4	11		ASSEM. MARK	—
1	G	12	112" WIDE x 2"	12	12	11		ASSEM. MARK	—
		22	DRAINS	9	6		DR2		—
1	B	22	TSBx6x4	8	6	12		ASSEM. MARK	—
1	E	22				15		DO	—
1	F	22				11		ASSEM. MARK	—
1	G	22				11		ASSEM. MARK	—
		2	DRAINS	6	1		DR3		—
1	C	2	TSBx6x4	5	1	13		ASSEM. MARK	—
1	E	2				15		DO	—
1	F	2				11		ASSEM. MARK	—
1	G	2				11		ASSEM. MARK	—
		2	DRAINS	7	8		DR4		—
1	D	2	TSBx6x4	6	8	14		ASSEM. MARK	—
1	E	2				15		DO	—
1	F	2				11		ASSEM. MARK	—
1	G	2				11		ASSEM. MARK	—
1	J	19	TSBx6x4	3	11		DA1		—
1	K	19	DO	1	3		DA2		—

PAY ITEM 502.19

OUT FOR APPROVAL	5/17/96										
OUT FOR APPROVAL	7/1/96										
ISSUED TO SHOP	5/17/96										
FIELD & OFFICE											
Δ	PER APPROVAL COM 7/1/96										
REV.	REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER
PROJECT NO. BR- BRF-038-1(35)											
MATERIAL: AS NOTED		ELECTRODES: PER PROC		GENERAL NOTES:							
HOLES: AS NOTED		SHOP BOLTS: —									
SURFACE PREP. & PAINT:											
GALVANIZED AFTER FAB PER ASTM-A123											
DESCRIPTION: BRIDGE DRAIN DETAILS						DRAWN BY DATE					
JOB: <u>PENOBSCOT RIVER BRIDGE</u> <u>OVER</u> <u>PENOBSCOT RIVER</u> <u>BANGOR - BREWER, ME</u>						UPE 5-17-96 CHKD BY EJ. APPROV BY Q.A.					
CUSTOMER: REED & REED INC.						JOB NO. DRG. NO.					
BRIDGE & STEEL SERVICES						7009 M1					
5 INDUSTRY ROAD SOUTH PORTLAND, ME. 04106						REV.					
PHONE (207) 874-2017 FAX. (207) 874-6998											

THIS DWG. TO BE USED FOR
LOCATING BRIDGE DRAINS ONLY

SCALE = .00416667 FEET/FOOT



FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME _____ TITLE _____

NOTES:

DIMENSIONS ON PLAN ALONG GIRDERS ARE AT THE BOTTOM OF WEB IN SPAN-1; IN SPANS-2,3,4,5&6 DIM'S. ALONG GIRDER ON PLAN ARE AT TOP OF WEB IN FULLY CAMBERED POSITION. ALL OTHER DIMENSIONS ARE GIVEN HORIZONTALLY.

FIGURES GIVEN THUS: Δ ARE THE GRADES OF THE GIRDERS AT THE BEARINGS IN FINAL POSITION; ARROW POINTS DOWNGRADE.

FIGURES GIVEN THUS: ∇ ARE THE DIFFERENCES IN ELEVATIONS OF GIRDERS AT CROSSFRAMES; ARROW POINTS TOWARD LOW GIRDER.

ALL STIFFENER AND CONNECTION PLATE SPACINGS ARE GIVEN TO $\pm$ PLATE. ENDS OF GIRDERS AND END BEARING STIFFENERS TO BE VERTICAL IN FINAL POSITION.

ALL STEEL TO BE ASTM A588 (U.N.).

ALL FIELD CONNECTIONS TO BE MADE WITH $\frac{3}{8}$ " H.S. (A325 TYPE 3) BOLTS (U.N.).

CONTRACT PLAN LENGTHS HAVE BEEN INCREASED AS REQUIRED TO SATISFY MEAN TEMPERATURE LENGTH AT 45°F, WITH FABRICATION AT 68°F. MEAN TEMPERATURE

117-1

NO.	DESIGN CHG.	REVISION	DATE
			5-9-96

HIGH STEEL STRUCTURES, INC.

770 Hempstead Road
Lancaster, PA 17606-0008
Phone 717/299-5201

WORK SHEET - FIGURING PLAN

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

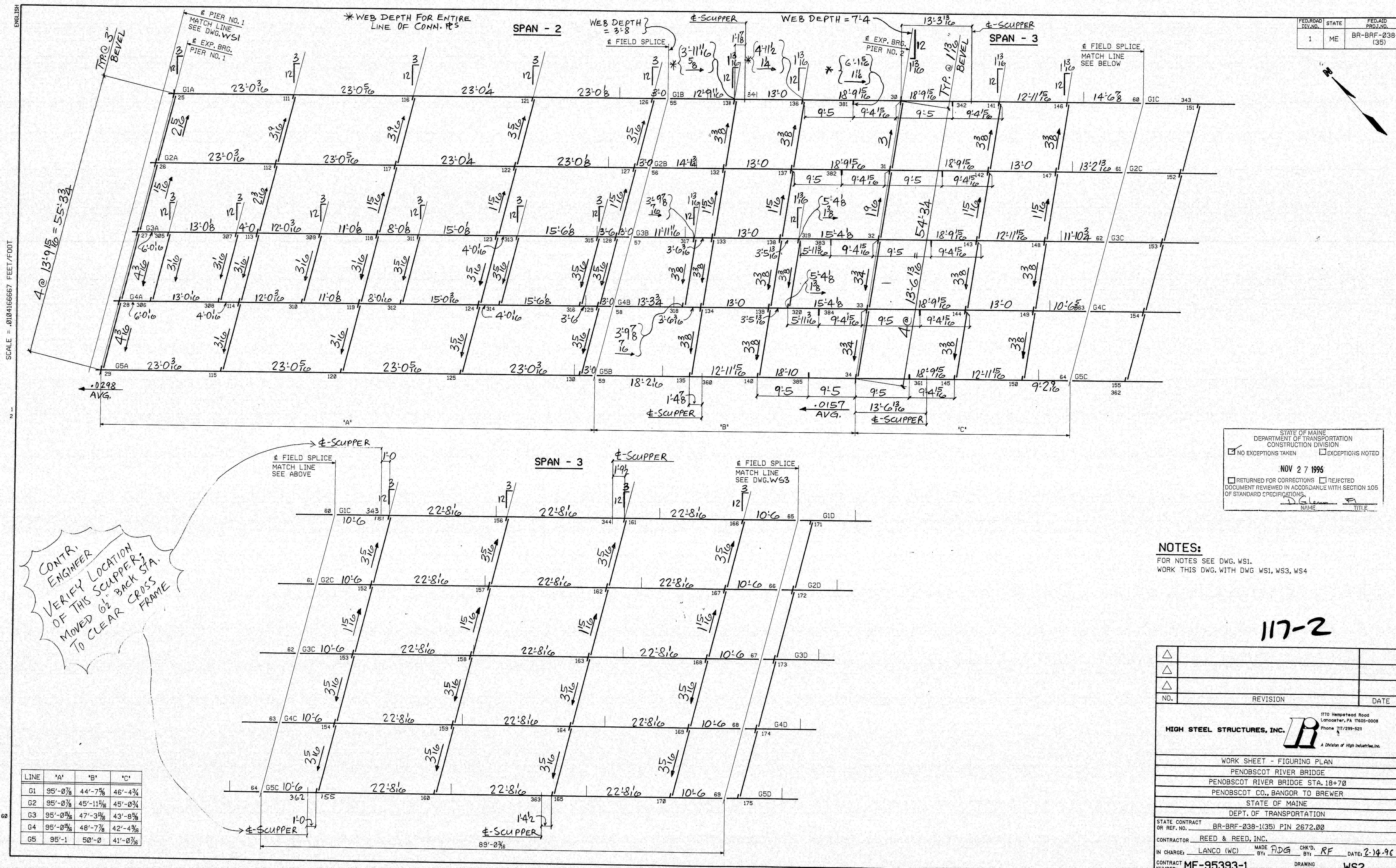
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

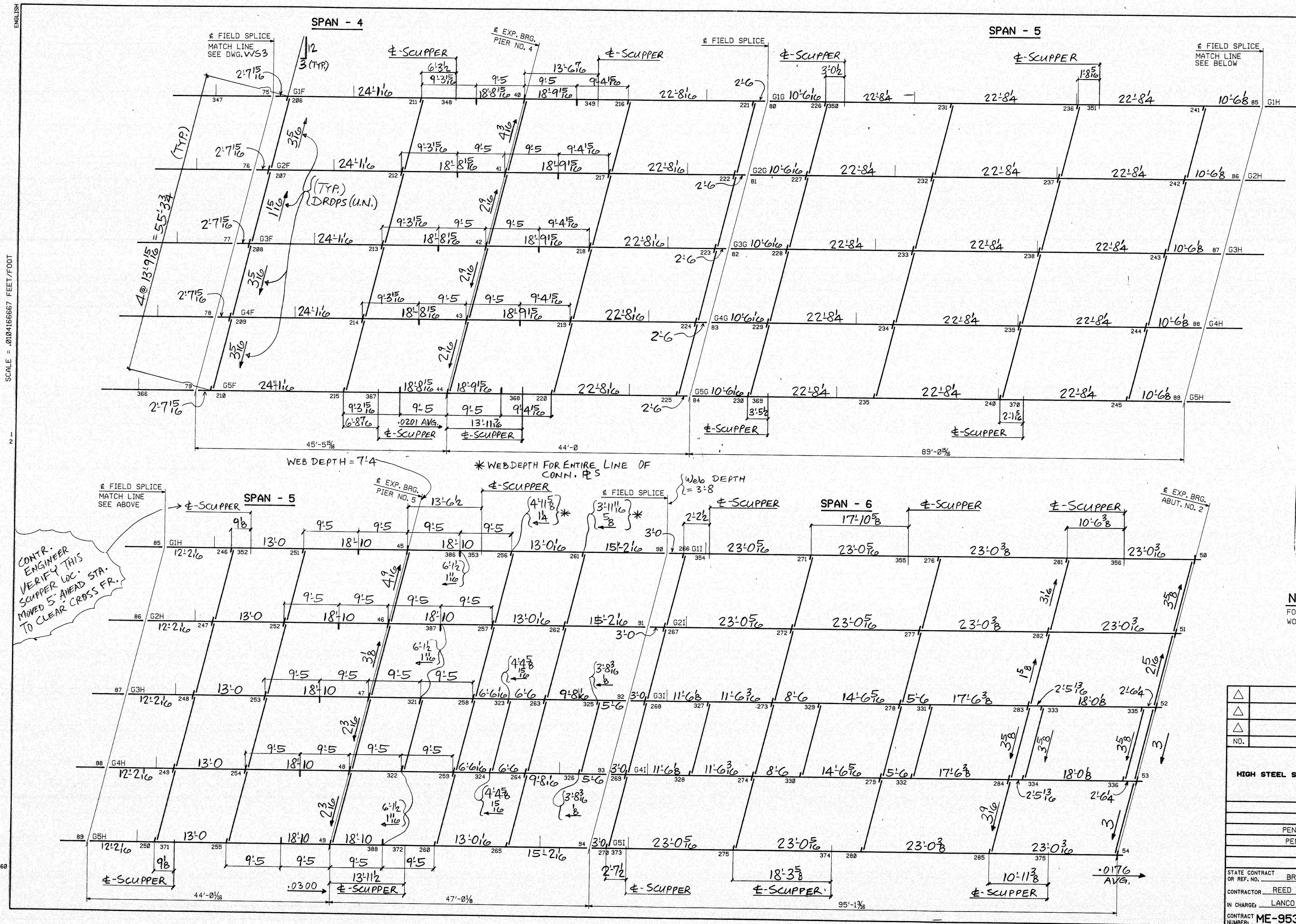
IN CHARGE LANCY (WC) MAKE BY ADD CHK'D BY RF DATE 2-14-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER WS1

NOV 25 1996



SCALE = 1/8" = 1'-0"



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

NAME _____

NOTES:
FOR NOTES SEE DWG. WS1.
WORK THIS DWG. WITH DWG. WS1, WS2, WS3

NO.	REVISION	DATE

170 Hampshire Road
Lancaster, MA 01906-0008
Phone 781/239-5211

HIGH STEEL STRUCTURES, INC.

WORK SHEET - FIGURING PLAN

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

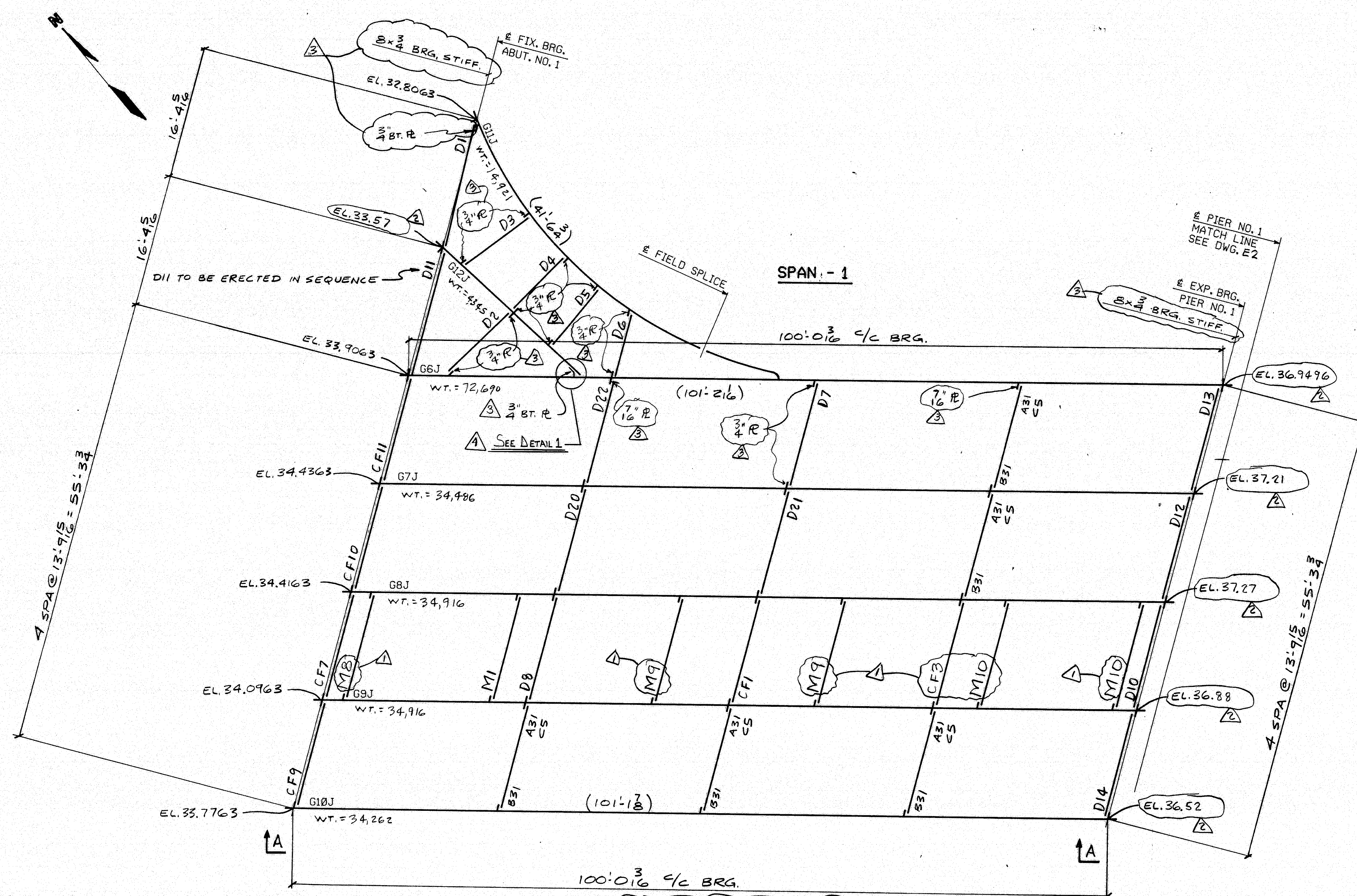
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LAMCO (WC) MADE BY RDG CHK'D BY RF DATE 2-14-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER WS4

ENGLISH



FIELD BOLT SUMMARY (4% ADDITIONAL BOLTS ADDED)

ASTM A325 TYPE 3 BOLTS WITH HVY. HEX HEAD AND
ASTM A563 GRADE DH3 HVY. HEX NUT (RCT)

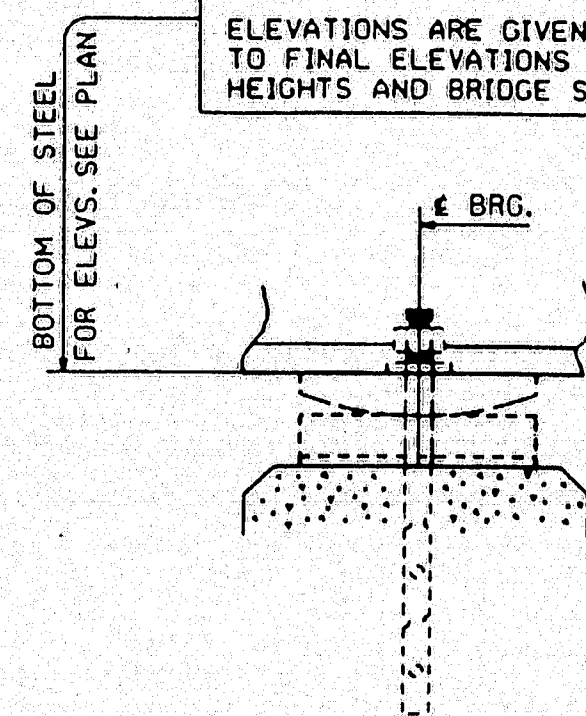
1580	7/8"	HIGH STRENGTH BOLTS	x 0'-2 1/2
77			x 0'-2 1/2
425			x 0'-3
4297			x 0'-3 1/2
1082			x 0'-4 1/2
998			x 0'-5 1/2
34			x 0'-5 3/4
624			x 0'-6
42			x 0'-6 3/4
26			x 0'-7 1/2
1339			x 0'-7 3/4
441			x 0'-8
11,593		ASTM F959 EPOXY COATED TENSION INDICATOR WASHERS (RCT)	
11,593		HARD, FLAT F436 WEATHERING WASHERS FOR 7/8" H.S. BOLTS (RCT)	
28			x 0'-4 1/2

(RCT) INDICATES ROTATIONAL CAPACITY TESTED BOLTS. DO NOT MIX
NUTS, BOLTS AND WASHERS FROM DIFFERENT CONTAINERS UNLESS
ALL NUTS, BOLTS AND WASHERS HAVE THE SAME LOT NUMBER.

ALL CONN. PL'S TO BE 3/8" THICK (UN)

CONTRACTOR NOTE:

ELEVATIONS ARE GIVEN TO BOTTOM OF STEEL - DO NOT POUR
TO FINAL ELEVATIONS WITHOUT VERIFICATION OF BEARING
HEIGHTS AND BRIDGE SEATS.



SECTION - A

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 205
OF STANDARD SPECIFICATIONS

DATE: 11/27/96

NOTES:

NO CREDIT WILL BE ALLOWED FOR WORK PERFORMED BY OTHERS IN REPLACING
OR CORRECTING MATERIALS OR WORKMANSHIP COVERED BY THIS DRAWING
UNLESS EXPRESSLY AUTHORIZED BY HIGH STEEL STRUCTURES, INC.

ALL FIELD CONNECTIONS TO BE MADE WITH 7/8" HIGH STRENGTH (A325, TYPE 3)
BOLTS (UNJ).

ALL DIMENSIONS ARE GIVEN HORIZONTALLY (UNJ).
DIMENSIONS GIVEN THUS: (101'-2 1/2") ARE THE SHIPPING LENGTHS OUT TO OUT OF
FASCIA GIRDERS.

HIGH STEEL STRUCTURES, INC. DOES NOT SUPPLY OR INSTALL STUD SHEAR CONNECTORS,
EXPANSION DAM MATERIAL, BEARINGS, BEARING PADS, ANCHOR BOLTS OR ANCHOR BOLT
SETTING PLAN, HANGERS OR HARDWARE AT UTILITIES, SCUPPERS OR ANY OTHER BRIDGE DRAINAGE.

FOR SHOP ASSEMBLY DIAGRAM, SEE DRAWING SA1 & SA2.

WORK THIS DRAWING WITH DRAWING E2 THRU E6

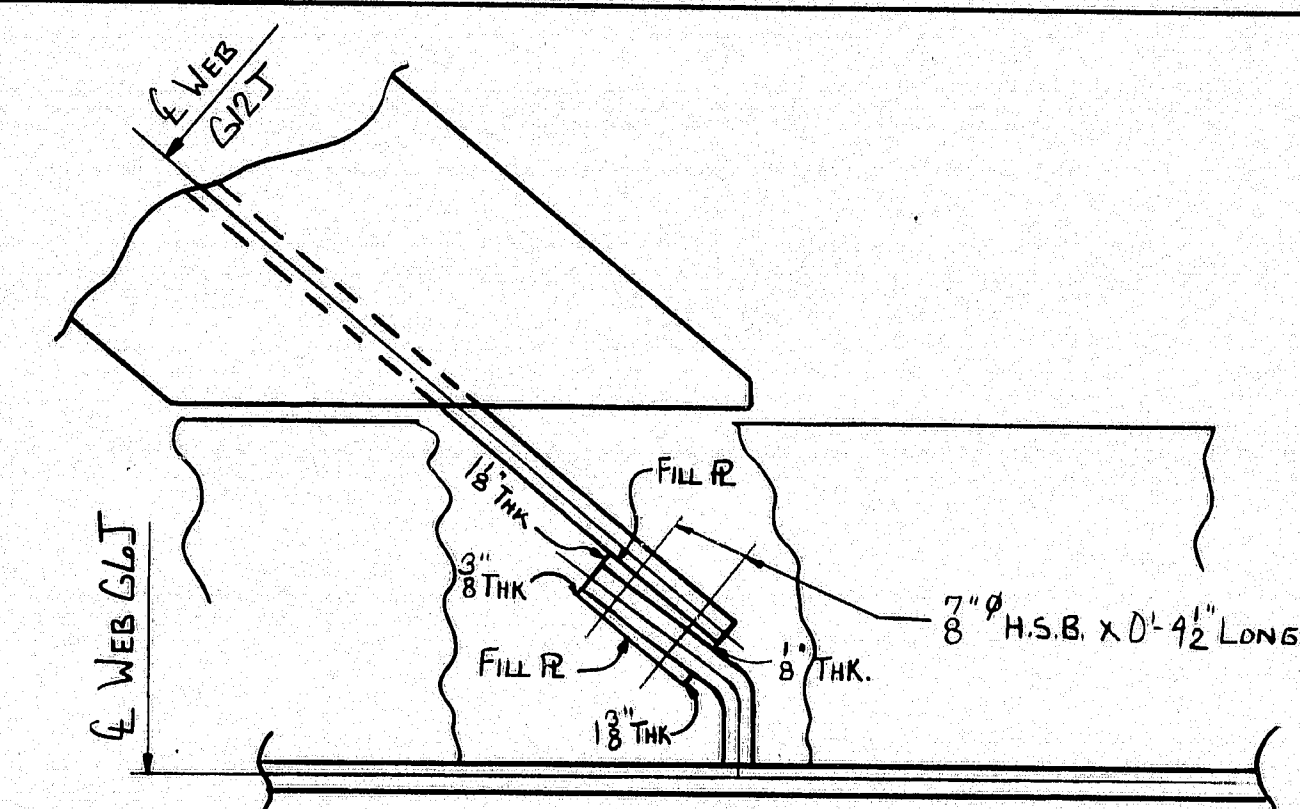
NOTICE: WEIGHTS OF MEMBERS LISTED ON THESE DRAWINGS ARE ESTIMATED
WEIGHTS AND ACTUAL WEIGHTS WILL VARY. HIGH STEEL STRUCTURES, INC.
WILL NOT BE RESPONSIBLE FOR ANY ERECTION PROCEDURES, SHIPPING
PROCEDURES, ETC. DEVELOPED USING ESTIMATED WEIGHTS AS SHOWN.

ERECTOR NOTE: ELEVATIONS AND/OR CAMBER CHECKS OF FIELD SPLICES MUST
BE COMPLETED PRIOR TO FINAL BOLTING. HIGH STEEL STRUCTURES IS TO BE
NOTIFIED AND CONSULTED, PRIOR TO FINAL BOLTING, IF SPLICE ELEVATIONS
ARE NOT WITHIN ACCEPTABLE TOLERANCE. THE CORRECTION OF ANY
UNACCEPTABLE SPLICES AFTER FINAL BOLTING WILL BE AT NO COST TO HIGH
STEEL STRUCTURES.

ERECTOR NOTE: ALL BOLTS MUST BE LOCATED IN ACCORDANCE WITH THE FIELD
BOLT SUMMARY. HIGH STEEL STRUCTURES WILL NOT BE RESPONSIBLE FOR
FURNISHING ADDITIONAL BOLTS OR ANY OTHER RELATED COSTS OR DAMAGES
RESULTING FROM IMPROPER LOCATION OF BOLTS.

ANCHOR BOLTS MUST BE SET BEFORE CROSSFRAMES AT BEARINGS ARE ERECTED.
ALL FIELD BOLTS THRU BOTTOM FLANGE ARE TO HAVE HEADS DOWN.
ALL FIELD BOLTS THRU WEB OF FASCIA GIRDERS ARE TO HAVE HEADS ON
OUTSIDE OF WEB.

HANDRAIL ROD M7 TYP AT ALL 7'-4" WEB FIELD SPLICES
CHECK THREADS AT BOTH ENDS AFTER INSTALLATION



DETAIL 1

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

117-5

AMBER FILL RS @ G12J & G1J CONNECTION	8-8-96
DESIGN INFO	5/23/96
REV. ELEV.	5-16-96
DESIGN CHG.	5-9-96
NO.	REVISION
	DATE

HIGH STEEL STRUCTURES, INC.

1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-6201

A Division of High Industries, Inc.

ERECTION PLAN

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

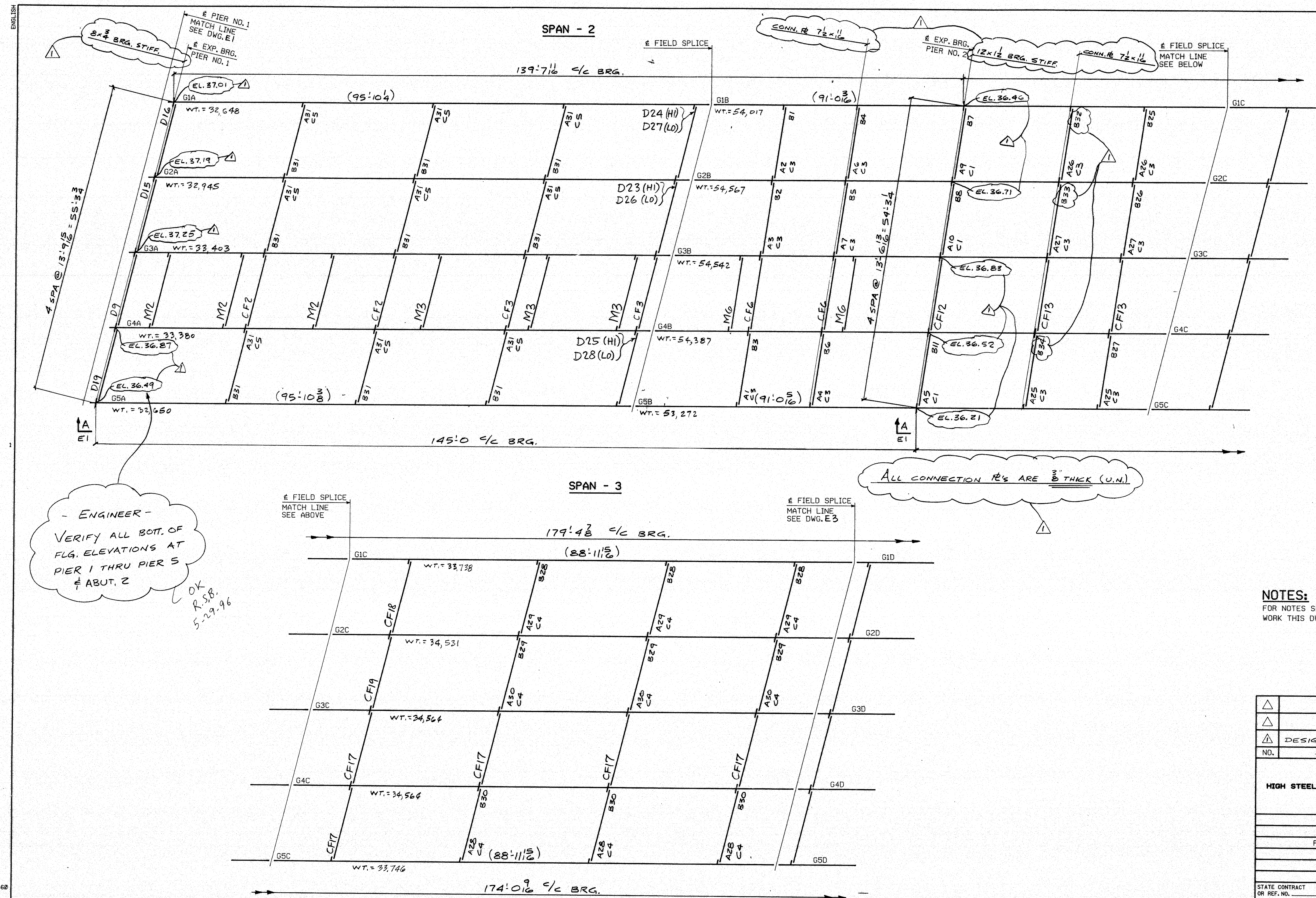
DEPT. OF TRANSPORTATION

STATE CONTRACT
OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LANC (WC) MADE BY SJR CHK'D BY DATE 2-23-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER E1



FED. ROAD DIV.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 405 OF STANDARD SPECIFICATIONS

NAME: D. G. L. TITLE: DR

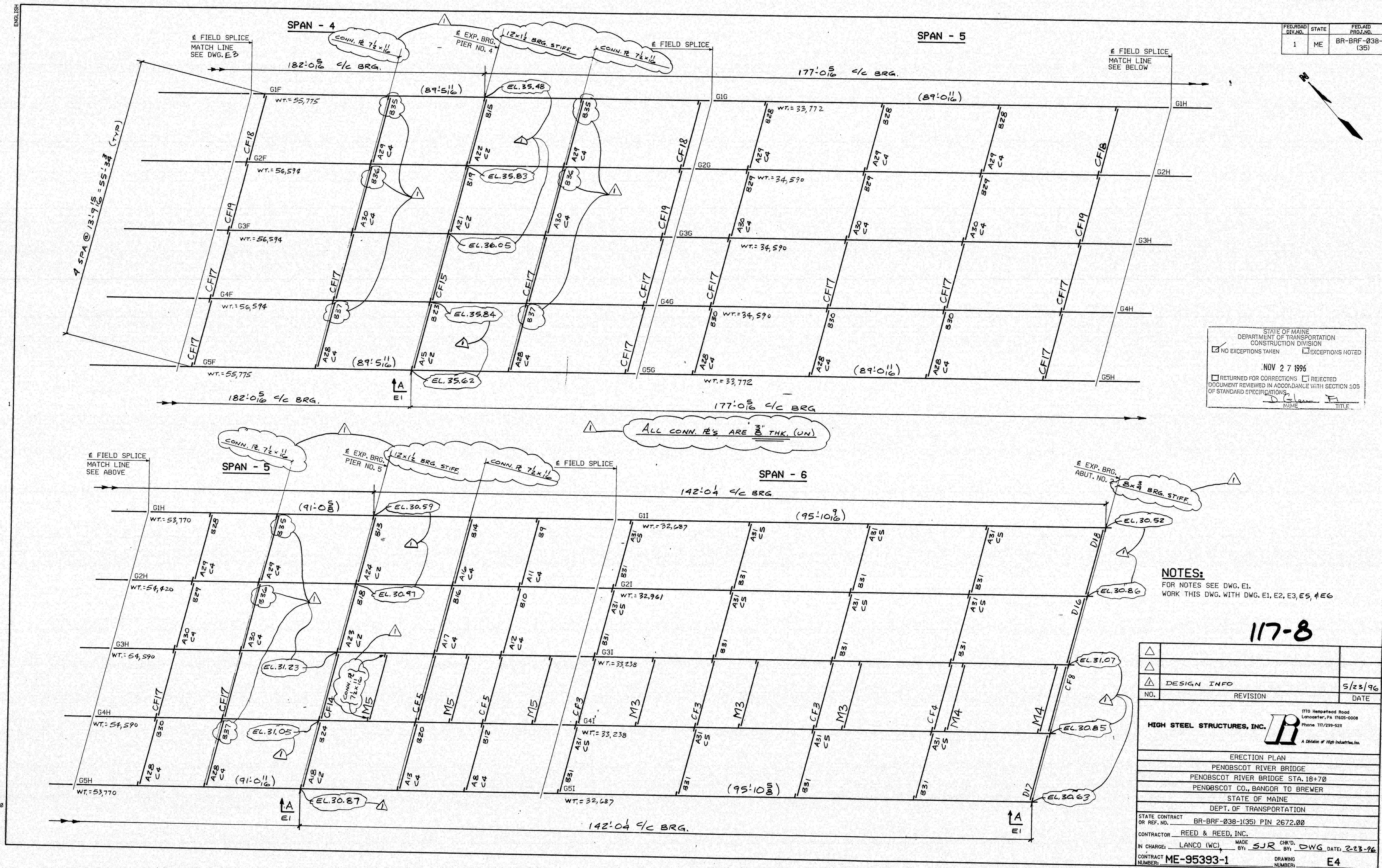
NOTES:
FOR NOTES SEE DWG. E1.
WORK THIS DWG. WITH DWG. E1, E3, E4, E5, & E6

117-6

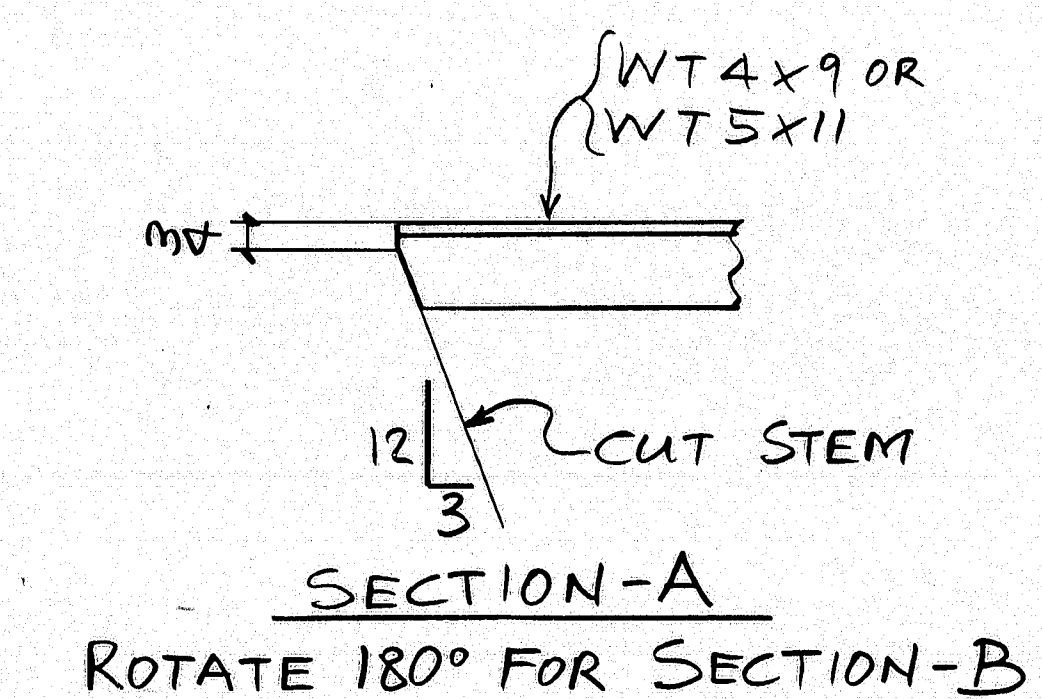
DESIGN INFO	DATE
NO.	REVISION
HIGH STEEL STRUCTURES, INC. 	
1770 Hampden Road Lewiston, ME 04203 Phone 771/299-5228 A Division of High Industries, Inc.	
ERECTOR PLAN	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO., BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR REED & REED, INC.	
IN CHARGE: LANCO (WC)	MADE BY: SJR
CONTRACT NUMBER: ME-95393-1	DWG. DATE: 2-23-96
	DRAWING NUMBER: E2

NOV 2 5 1996

ENGLISH



NOV 2 5 1996



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

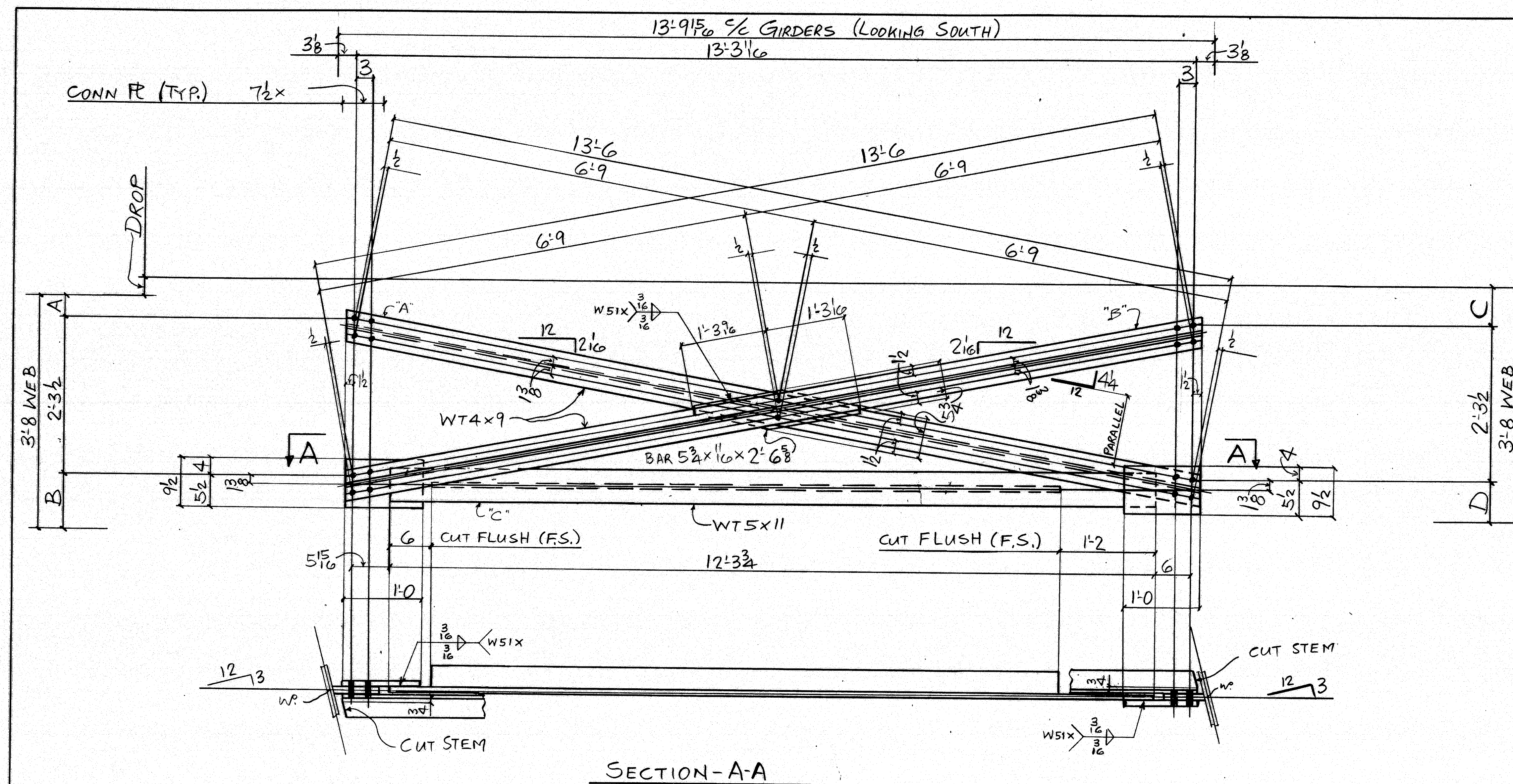
☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 5
OF STANDARD SPECIFICATIONS

D. Glenn PL

117-9

NOV 25 1996



SECTION-A-A

NO. REQ'D.	DROP	A	B	C	D
1	15/8	5	1 1/2	6 5/8	9 7/8
5	11 5/16	↑	↑	6 1/16	9 9/16
1	2 3/16	↑	↑	7 7/16	9 5/16
1	(1 1/16)	↓	↓	(6 1/16)	(9 1/16)
1	3 1/16	5	1 1/2	8 1/16	8 7/16
2	(-7 3/16)	8 1/16	8 7/16	5	11 1/2
4	3 5/16	5	1 1/2	8 5/16	8 3/16
5	(-13 5/16)	8 5/16	8 1/16	5	11 1/2
2	3 1/16	5	1 1/2	8 9/16	7 15/16
Δ-1	(-13 9/16)	8 9/16	7 5/16	5	11 1/2
1	4 3/16	5	1 1/2	9 3/16	7 5/16
Δ-2	(-1 3/8)	8 3/8	8 3/8	5	11 1/2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1995

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

NAME _____ TITLE _____

117-10

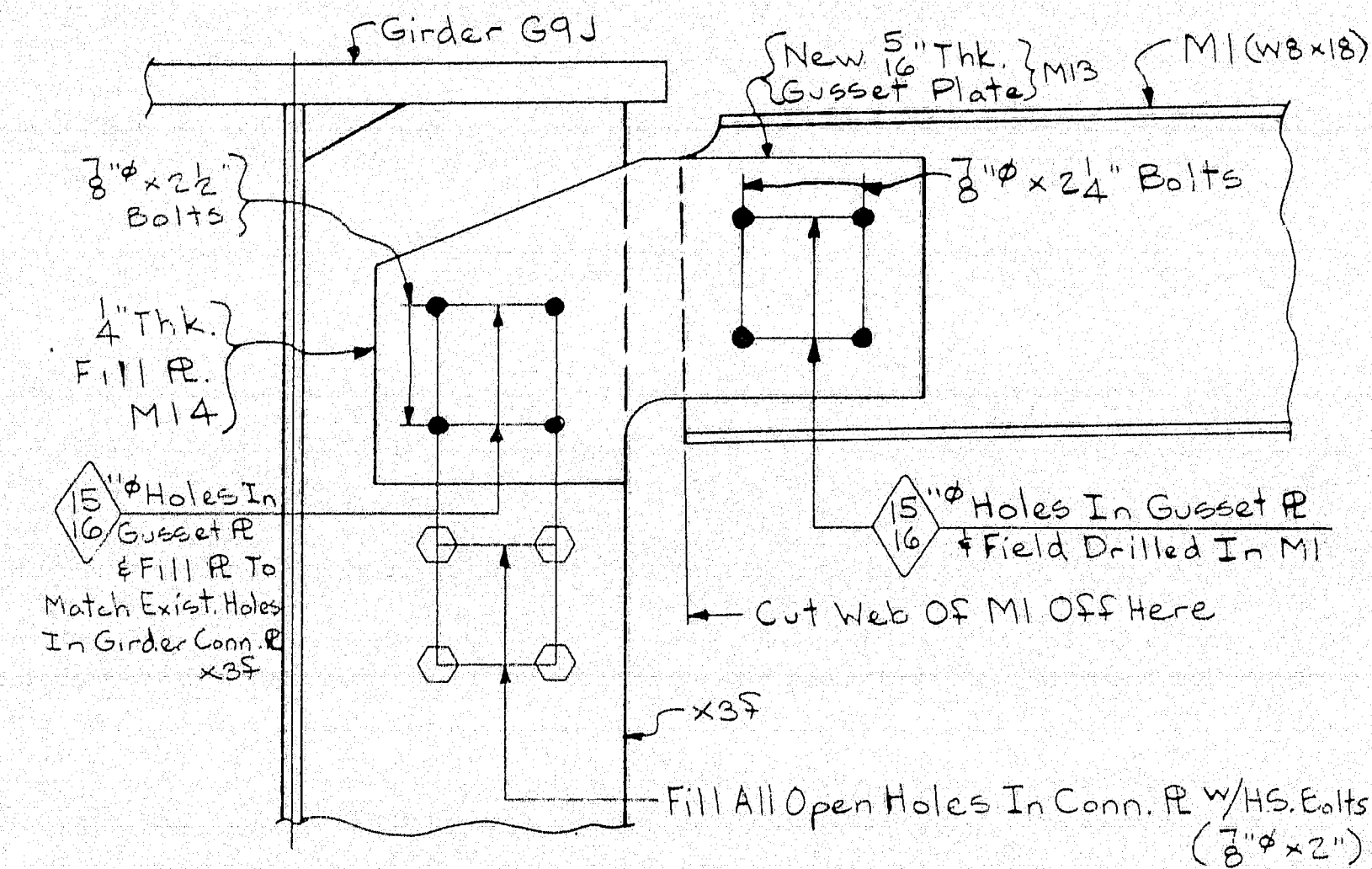
Δ		
Δ		
Δ	DESIGN CHG.	5-9-96
NO.	REVISION	DATE

1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211

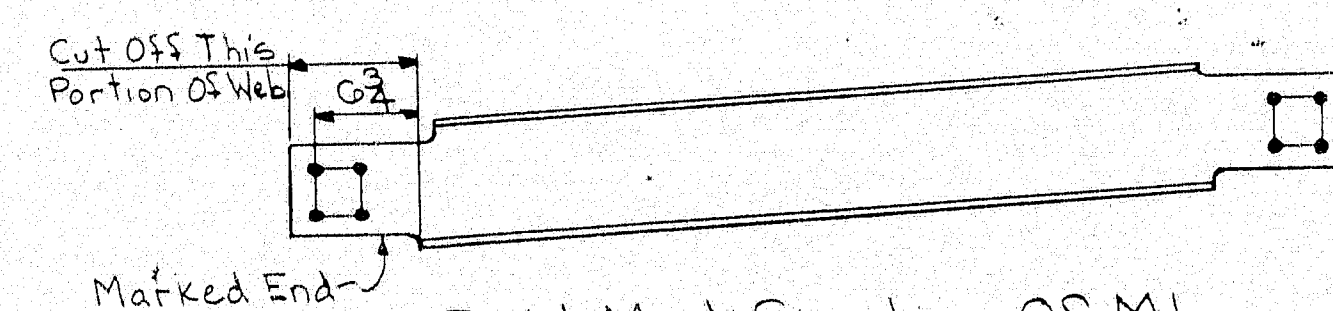
HIGH STEEL STRUCTURES, INC.

CROSS FRAME LAYOUT (TYPE K)
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO. BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT BR-BRF-038-1(35) PIN 2672.00
OR REF. NO.
CONTRACTOR REED & REED, INC.
IN CHARGE LANCOWC BY ADG CW'D BY RF DATE 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER E6

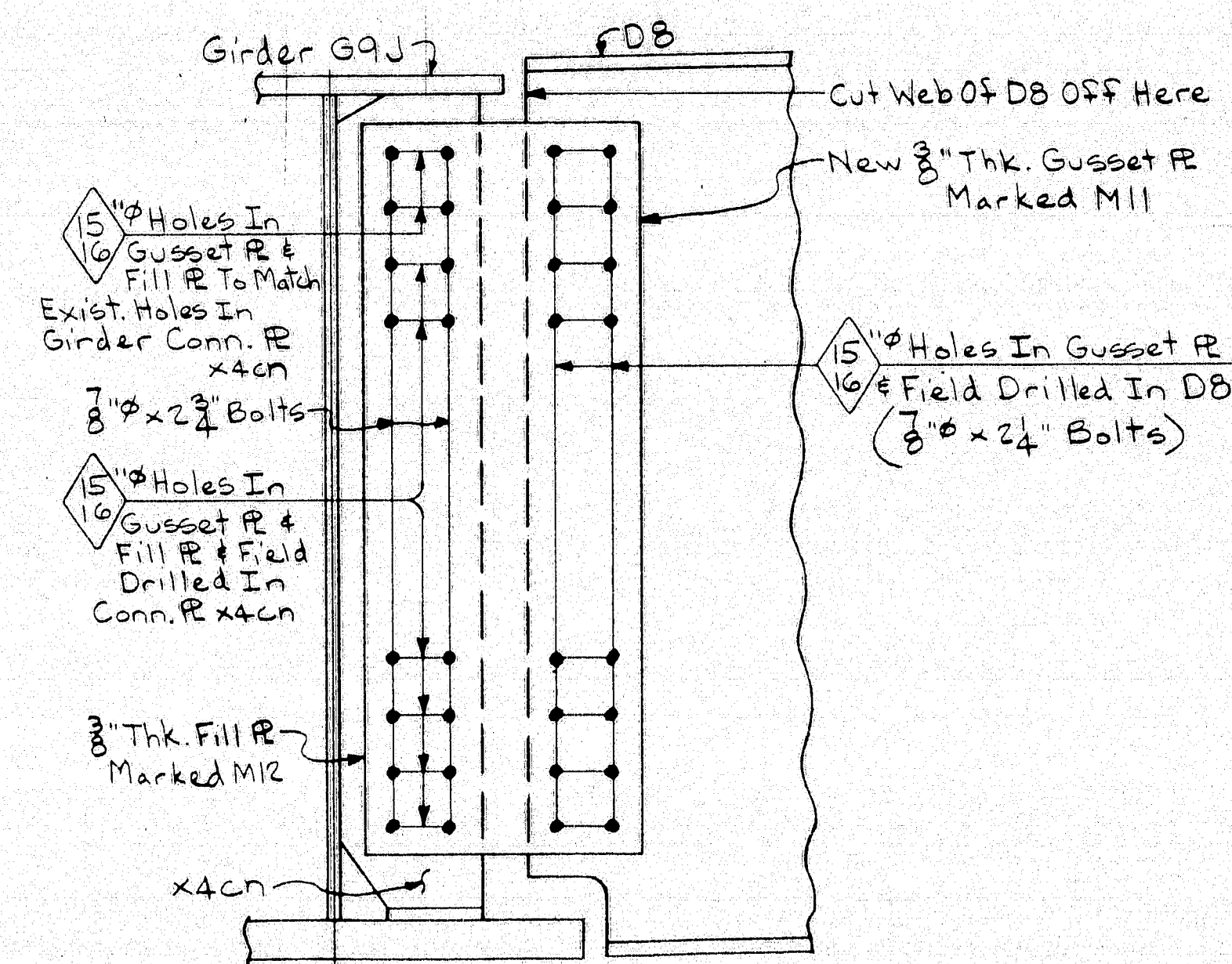
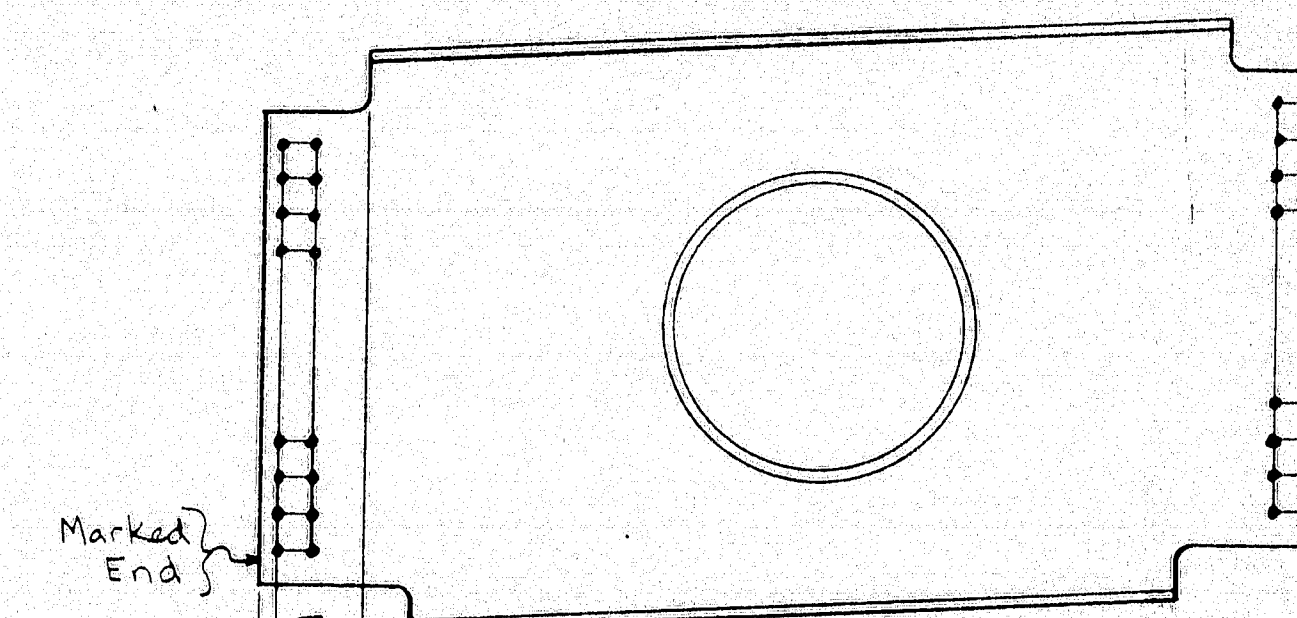
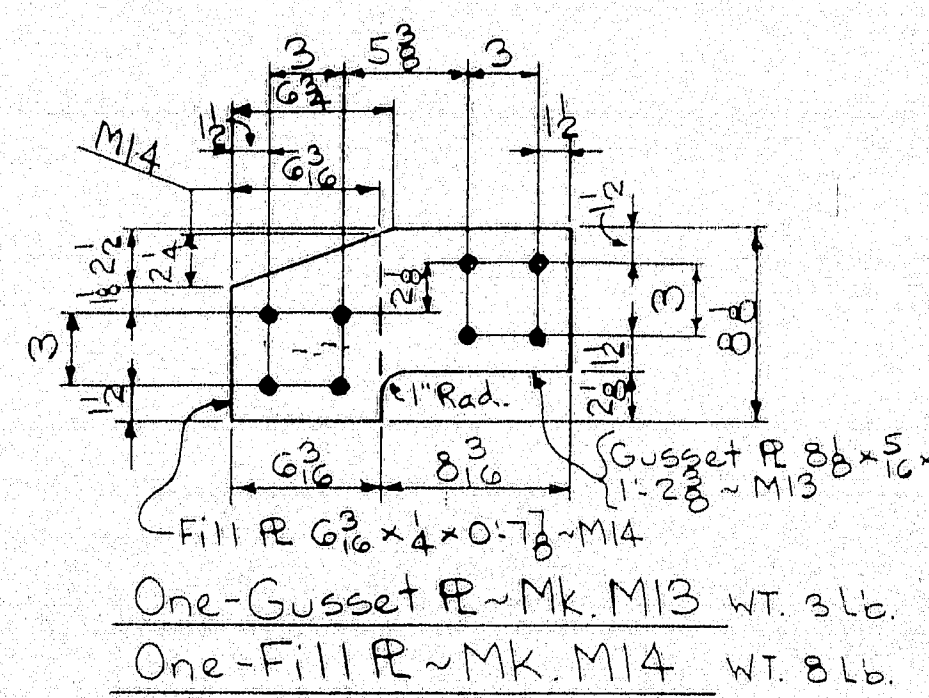
NOV 2 5 1996



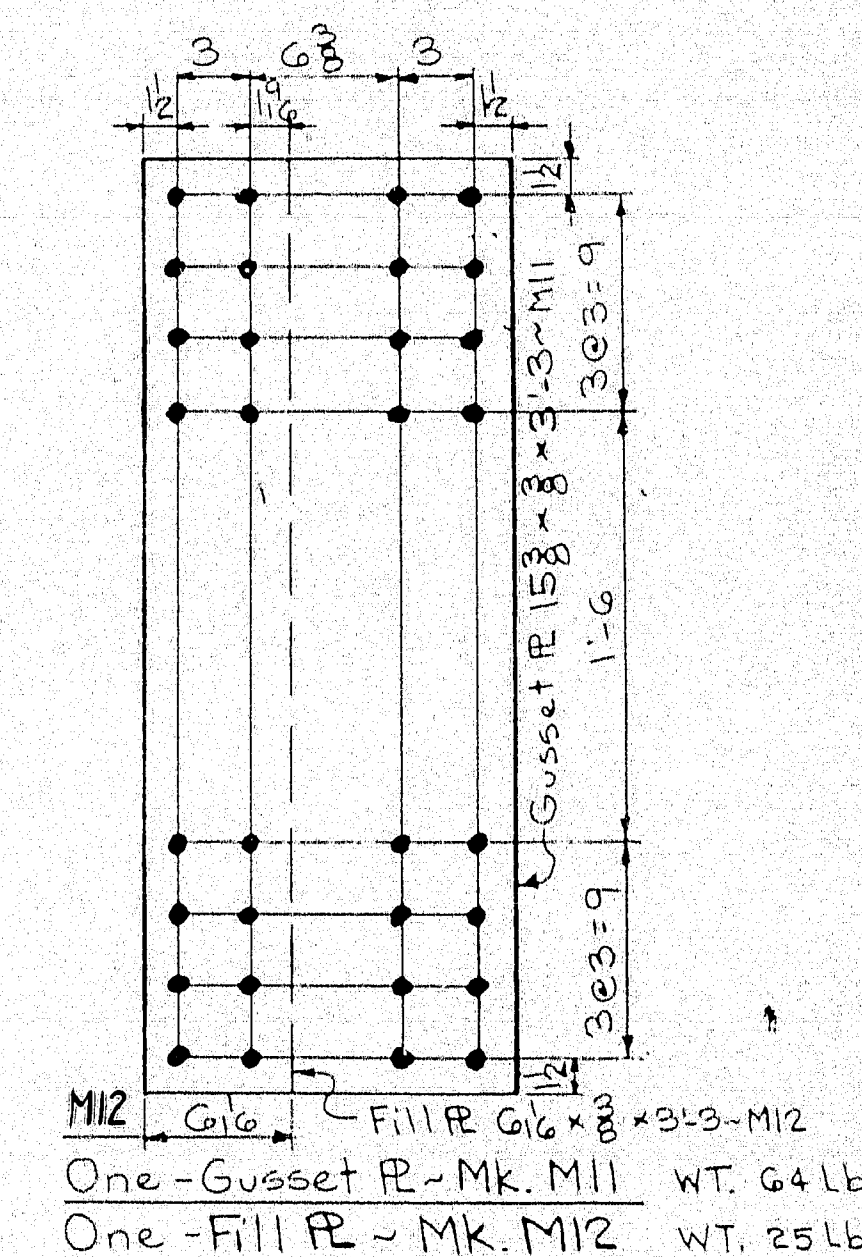
M1 MODIFICATION DETAIL



Field Modification Of M1
WORK WITH M1 MODIFICATION DETAIL



D8 MODIFICATION DETAIL



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

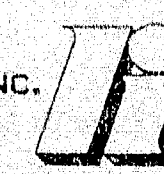
☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME: D. G. Smith TITLE: ENGINEER

117-11

Notes:
Matl.: A36 Gr. 50W (From Stock)
Holes: 15/16"
Cleaning: SSPC-SP6 (Commercial)

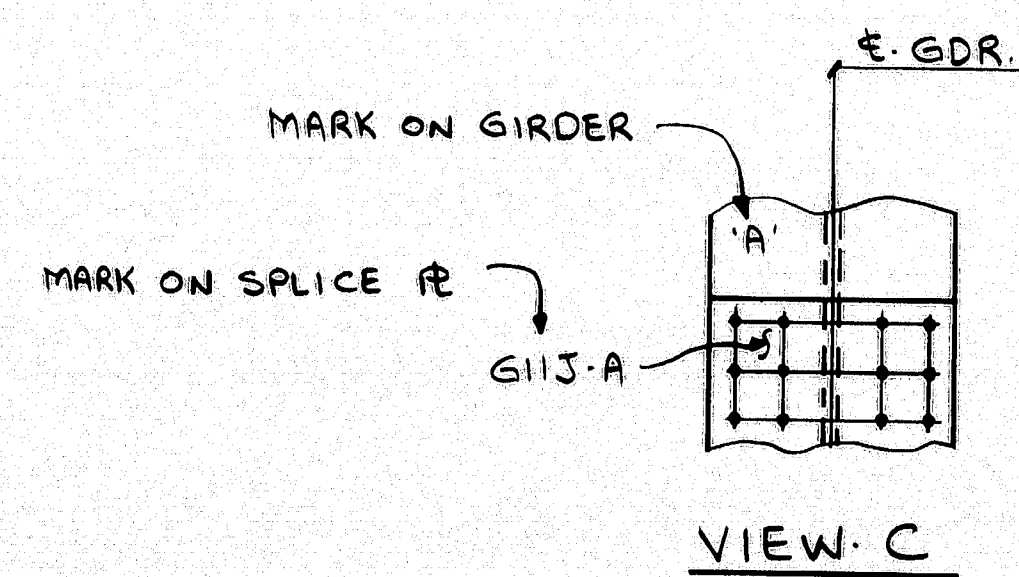
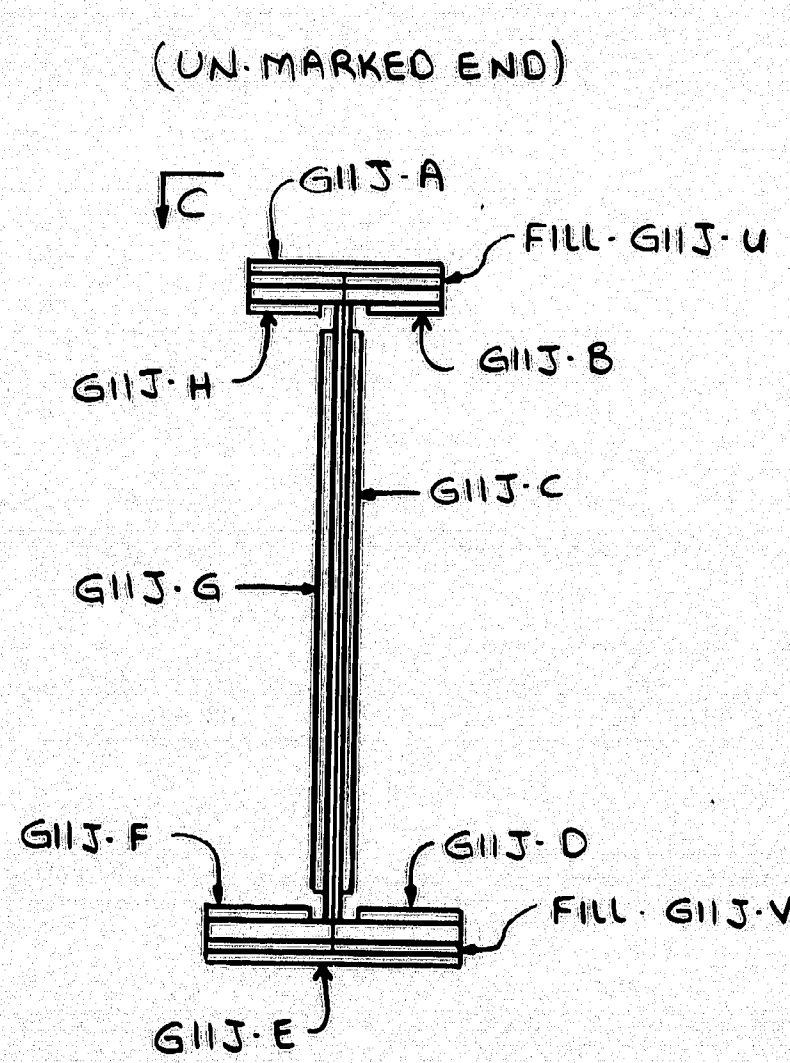
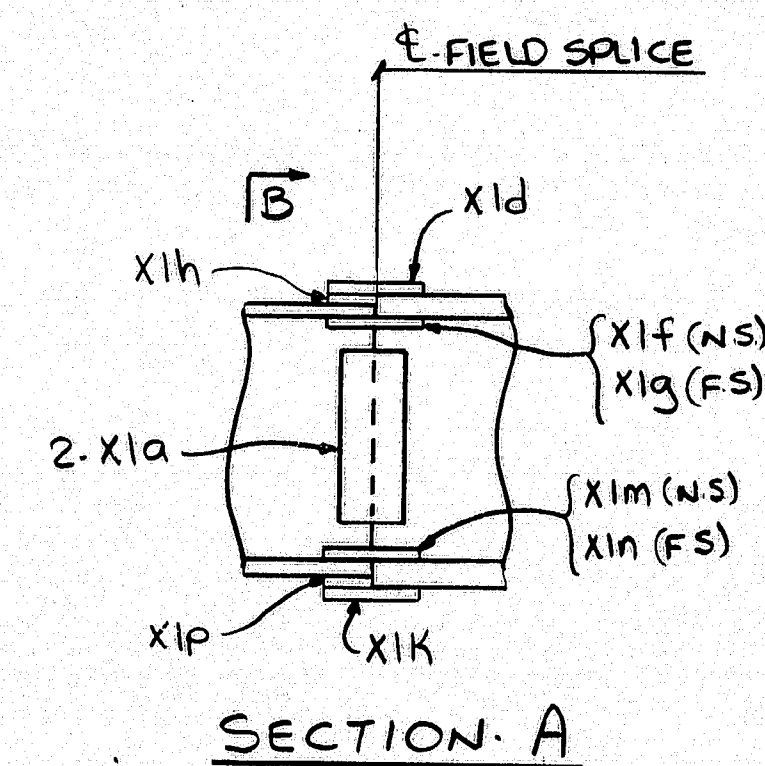
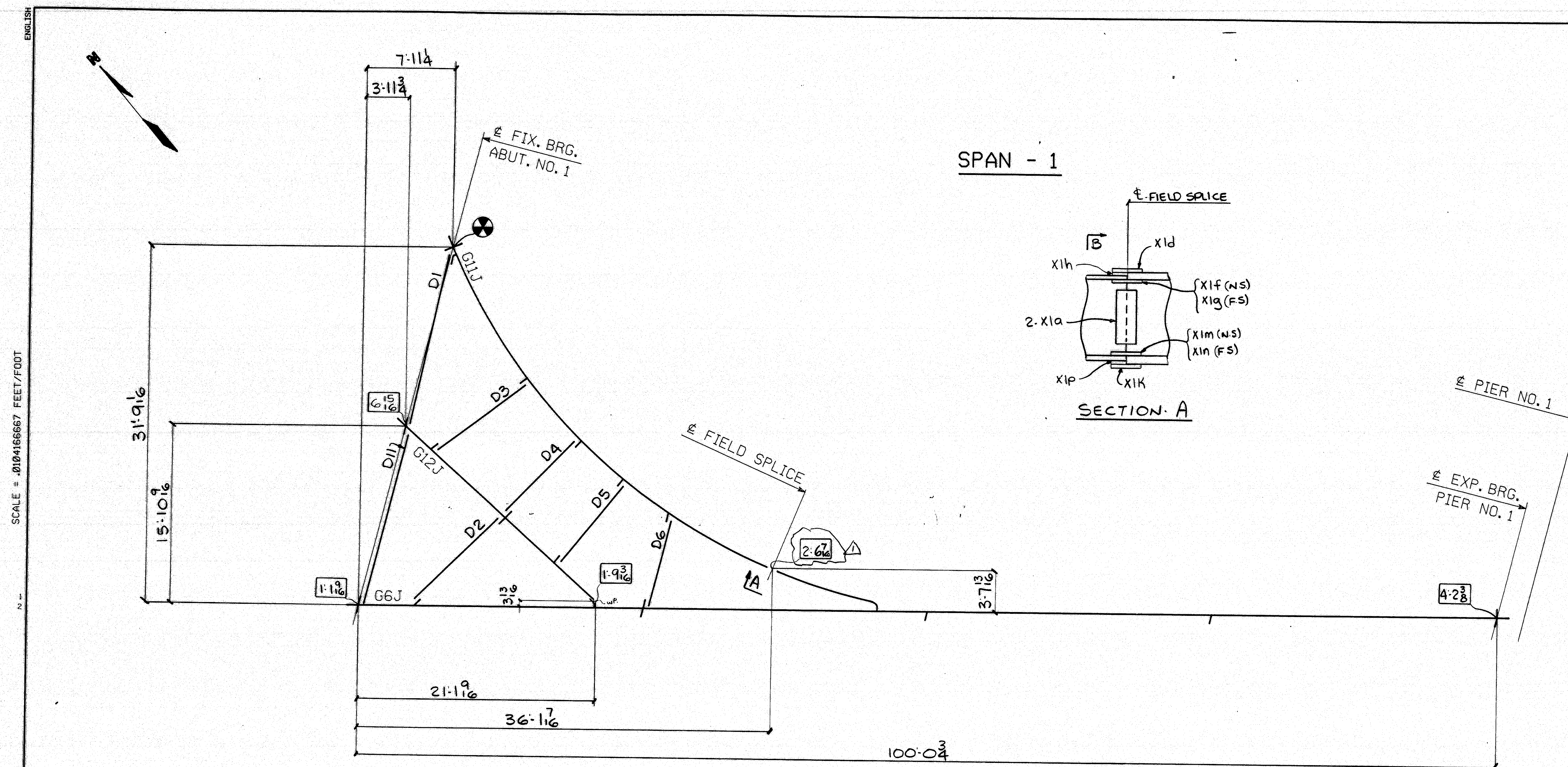
△		
△		
△	NEW DWG.	10-10-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC. 		
ERECTOR DWG. - FIELD MODIFICATION DETAILS		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE LALCO	MADE BY DW	CHK'D BY CN
DATE 10-10-96		
CONTRACT NUMBER ME-95393-1	DRAWING NUMBER E7	

NOV 25 1996

SCALE = 1/8" = 1'-0" (1/8" = 1'-0")

ENGLISH

60



NOTES:

ALL SPICE PLATES ARE MATCH MARKED AFTER REAMING AS SHOWN IN SECTION-B. THE MATCH MARKS ON THE SPICE PLATES CONSIST OF THE MARK OF THE GIRDER THEY ARE SHIPPED WITH AND A SUFFIX. THE MARKINGS ARE LOCATED ON THE STEEL AT THE END OF THE SPICE PLATE WHICH IS ON THE GIRDER IT IS SHIPPED WITH. THE CORRESPONDING SUFFIX (A, B, C, ETC.) IS MARKED NEAR THE SPICE PLATE ON THE GIRDER (SEE VIEW-C).

FOR GIRDER MARKS, SEE THE ERECTION PLAN DRAWINGS.

HOLES MARKED [RA] ARE TO BE SUB-PUNCHED/SUB-DRILLED 1/4" UNDER SIZE AND REAMED TO FULL SIZE OR DRILLED FROM SOLID WITH CONNECTING PARTS ASSEMBLED AND MATCH MARKED. HOLES TO BE 1/8" DIA.

● INDICATES ZERO POINT.

FIGURES GIVEN THUS: [2.6] ARE THE DIFFERENCES IN ELEVATIONS ABOVE THE ZERO POINT MARKED ●. ELEVATIONS ARE GIVEN AT THE TOP OF GIRDER WEB AT THE # OF BEARING OR FIELD SPICE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME _____ TITLE _____

117-12

NO.	REVISION	DATE
1	CHG. ELEV.	7-30-76

SHOP ASSEMBLY DIAGRAM

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

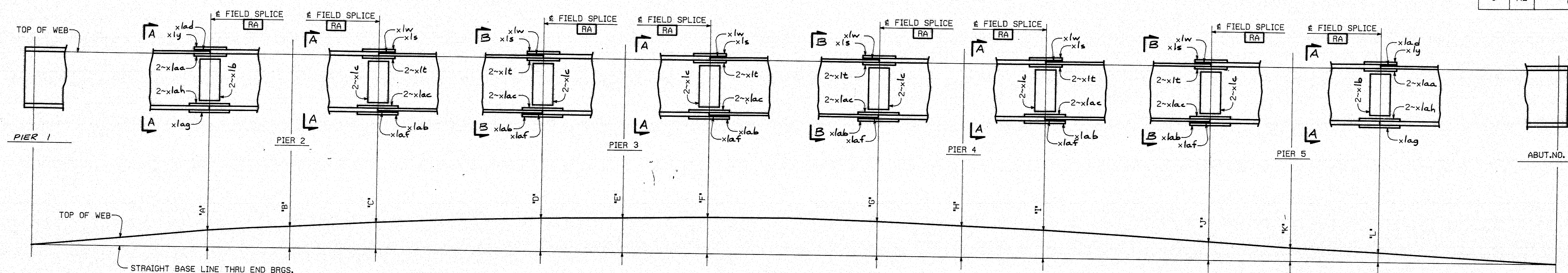
CONTRACTOR REED & REED, INC.

IN CHARGE LAMCO (WC) MADE BY DF CHK'D BY DWG DATE 2-22-76

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER SAI

NOV 25 1996

ENGLISH



LINE REAMING DIAGRAM

GDR. LINE	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'	'K'	'L'
G1	3'-3 3/8	4'-2 3/8	5'-2 7/8	6'-6 1/8	6'-8 3/8	7'-1	8'-8 3/8	6'-1 3/8	5'-5 3/8	3'-7 1/4	2'-7 3/8	1'-10 1/4
G2	3'-4 1/4	4'-3 3/4	5'-3	6'-6 1/8	6'-9 3/8	7'-1 1/8	8'-9 3/8	6'-2 1/8	5'-6 3/8	3'-8 1/4	2'-8 3/4	1'-11
G3	3'-4 7/8	4'-4	5'-3 3/4	6'-6 1/8	6'-10 3/8	7'-2 3/8	8'-10 3/8	6'-2 3/8	5'-7 3/8	3'-9 1/4	2'-9 3/8	1'-11 3/8
G4	3'-5 3/8	4'-4 1/2	5'-3 3/8	6'-7 3/8	6'-11 3/8	7'-2 3/8	8'-11 3/8	6'-3 3/8	5'-8 3/8	3'-10 3/8	2'-10	2'-0 1/2
G5	3'-5 3/8	4'-5 3/8	5'-3 3/8	6'-7 3/8	6'-11 3/8	7'-3 3/8	8'-11 3/8	6'-4 3/8	5'-9 3/8	3'-11 3/8	2'-10 3/8	2'-1 3/8

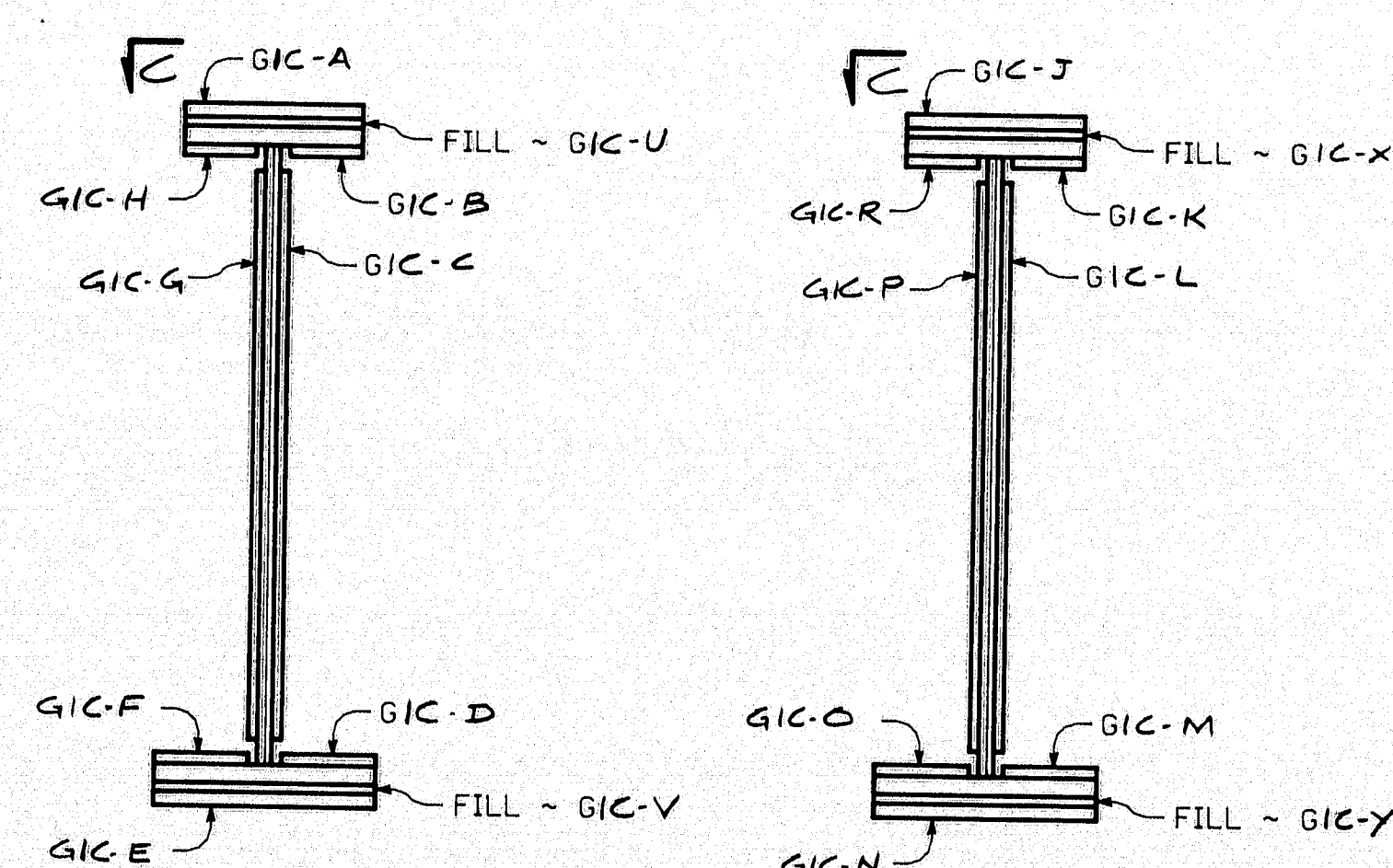
NOTES:

ALL SPLICE PLATES ARE MATCH MARKED AFTER REAMING AS SHOWN IN SECTION A-A#8-B. THE MATCH MARKS ON THE SPLICE PLATES CONSIST OF THE MARK OF THE GIRDER THEY ARE SHIPPED WITH AND A SUFFIX. THE MARKINGS ARE LOCATED ON THE STEEL AT THE END OF THE SPLICE PLATE WHICH IS ON THE GIRDER IT IS SHIPPED WITH. THE CORRESPONDING SUFFIX (A, B, C, ETC.) IS MARKED NEAR THE SPLICE PLATE ON THE GIRDER (SEE VIEW C).

FOR GIRDER MARKS, SEE THE ERECTION PLAN DRAWINGS.

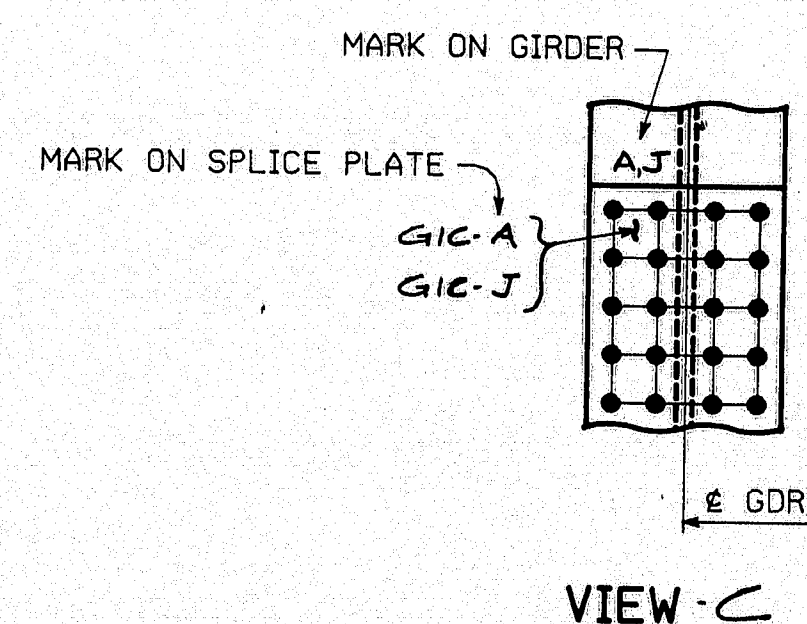
HOLES MARKED [RA] ARE TO BE SUB-PUNCHED/SUB-DRILLED 1/4" UNDER SIZE AND REAMED TO FULL SIZE OR DRILLED FROM SOLID WITH CONNECTING PARTS ASSEMBLED AND MATCH MARKED. HOLES TO BE 5/8" Ø.

(MARKED END) - G1C THRU G5C, G1E THRU G5E, G1G THRU G5G, G1I THRU G5I
(UNMARKED END) - G1A THRU G5A



SECTION A-A FOR G1C
G1C THRU G5C, G1A THRU G5A
G1E THRU G5E, G1G THRU G5G
G1I THRU G5I } SIMILAR

SECTION B-B FOR G1C
G1C THRU G5C, G1E THRU G5E
G1G THRU G5G } SIMILAR



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

NAME: D. G. L. TITLE: DESIGNER

117-13

NO.	REVISION	DATE

1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5281

HIGH STEEL STRUCTURES, INC.
A Division of High Industries, Inc.

SHOP ASSEMBLY DIAGRAM
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION

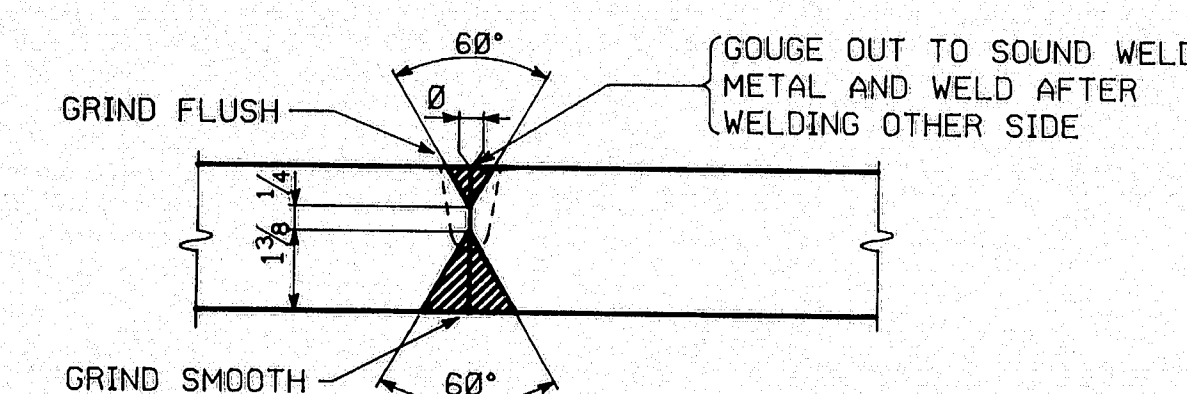
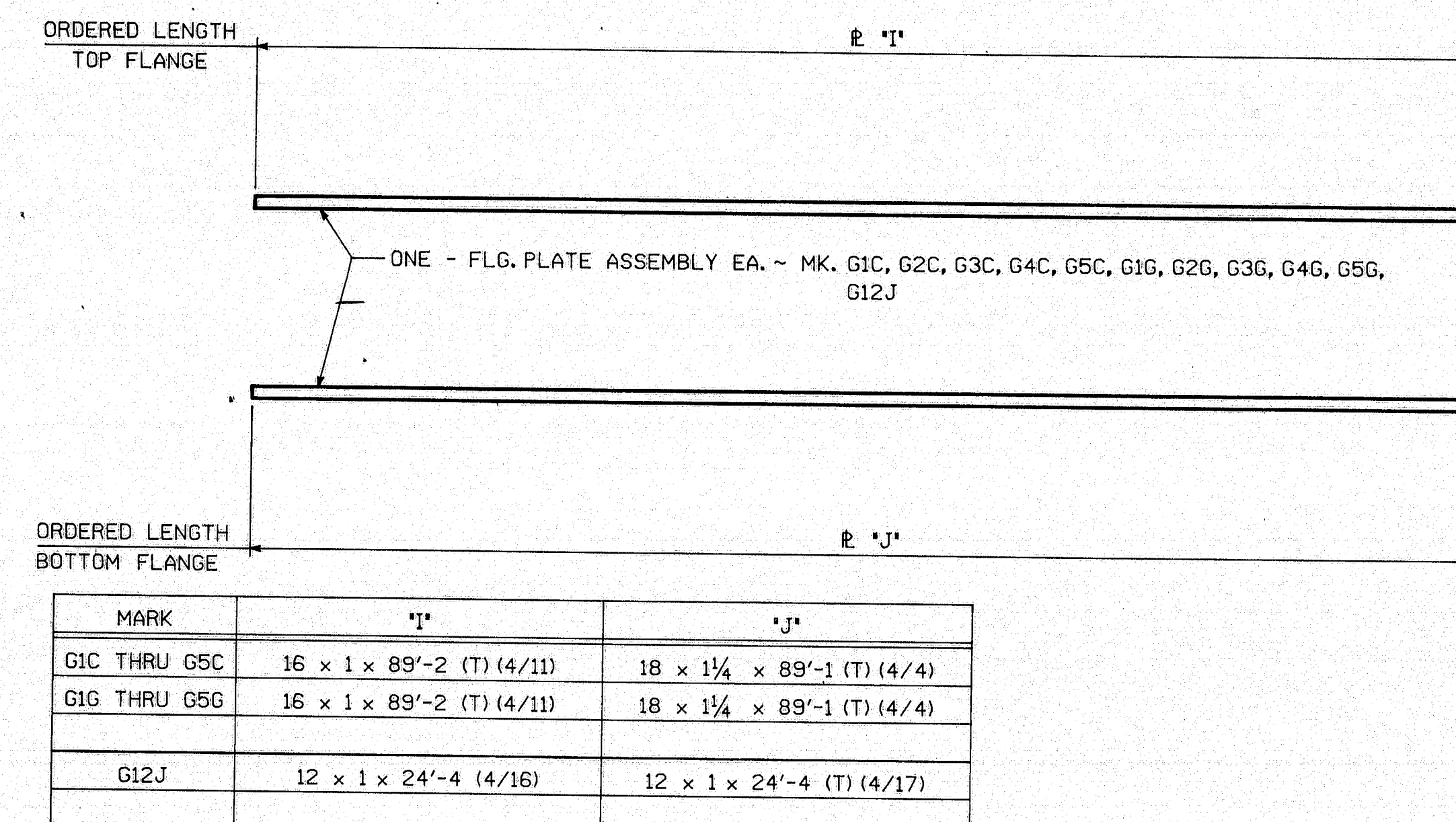
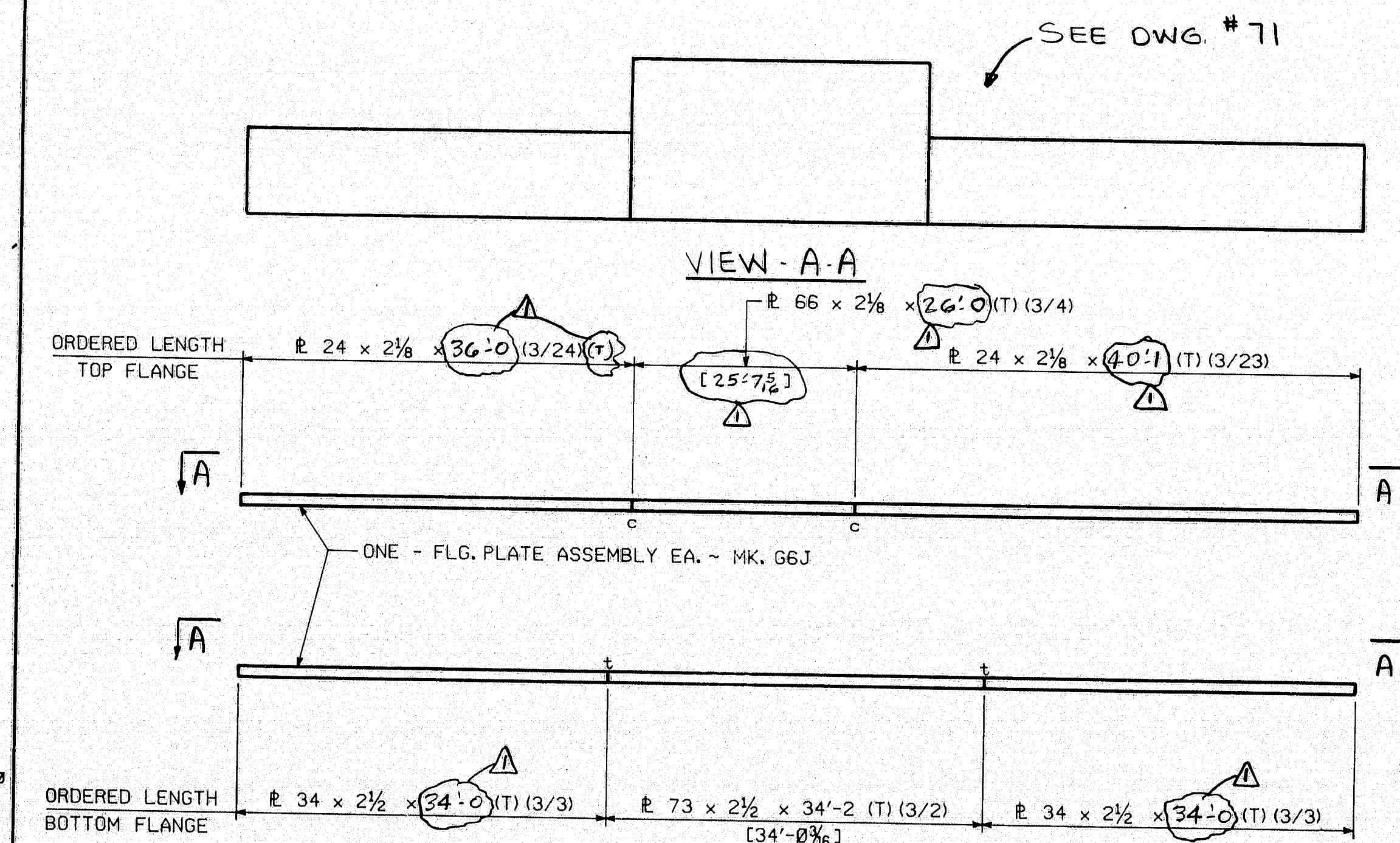
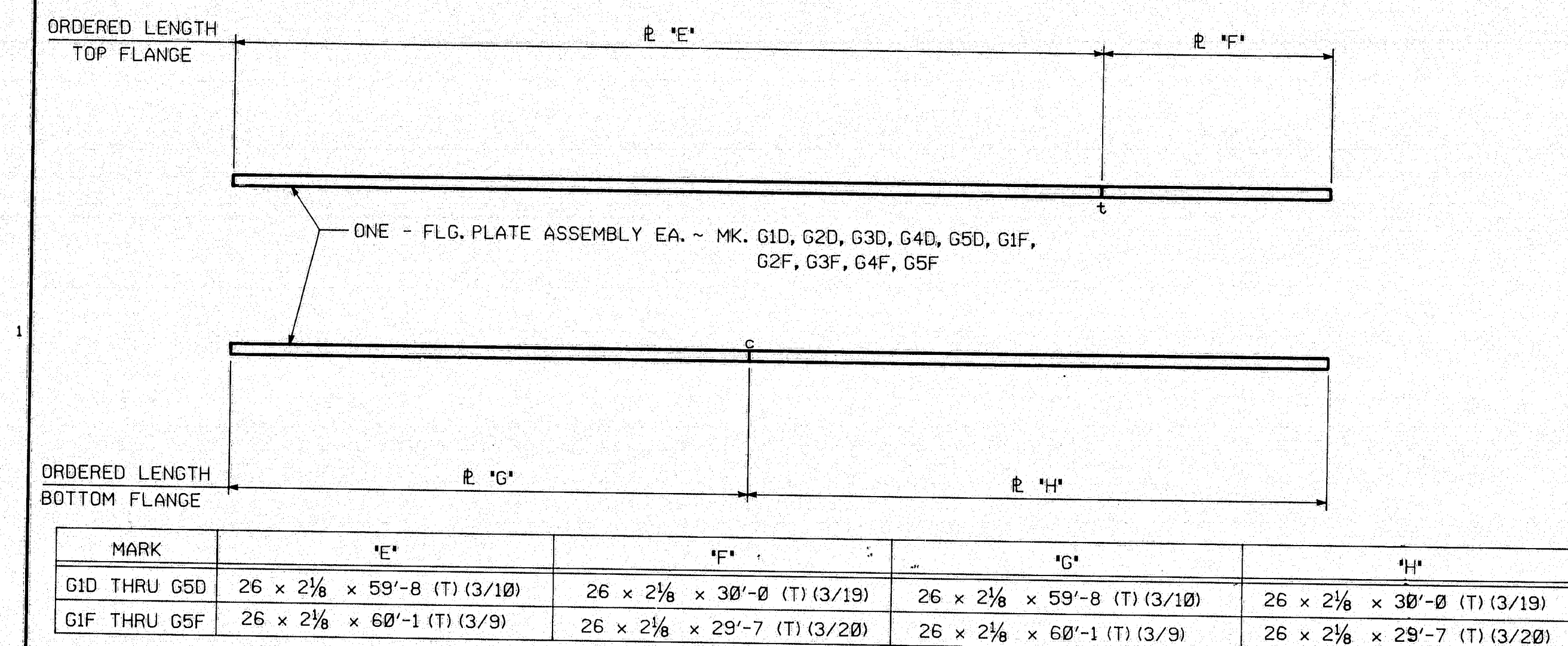
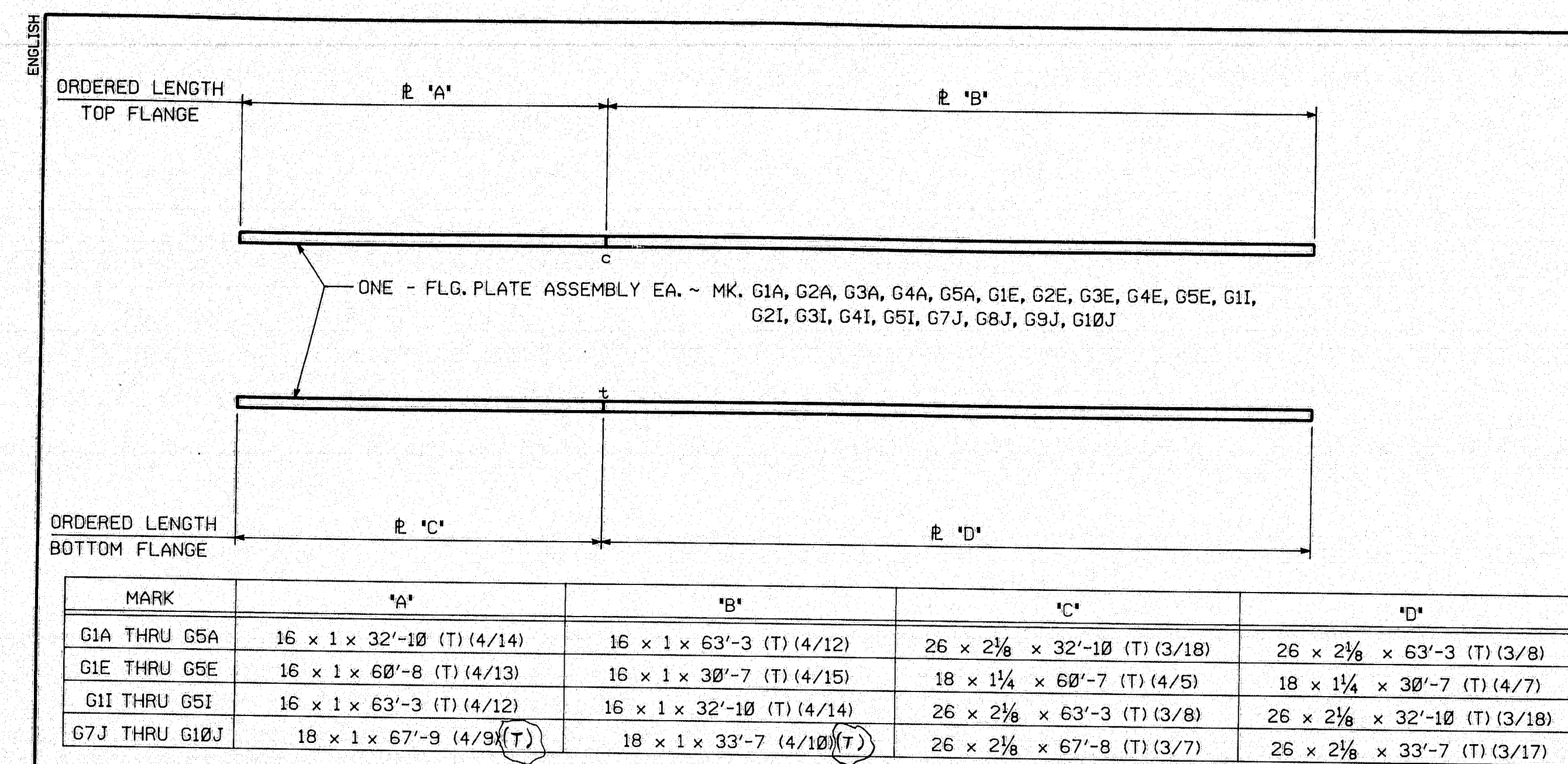
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC. MADE BY: SJR DWG DATE: 2-23-96

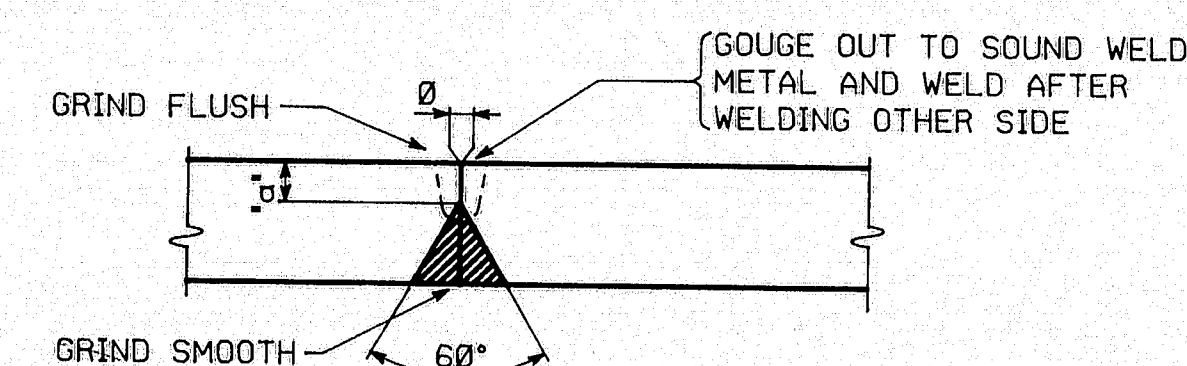
IN CHARGE LANC (WC) BY: SJR

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER SA2

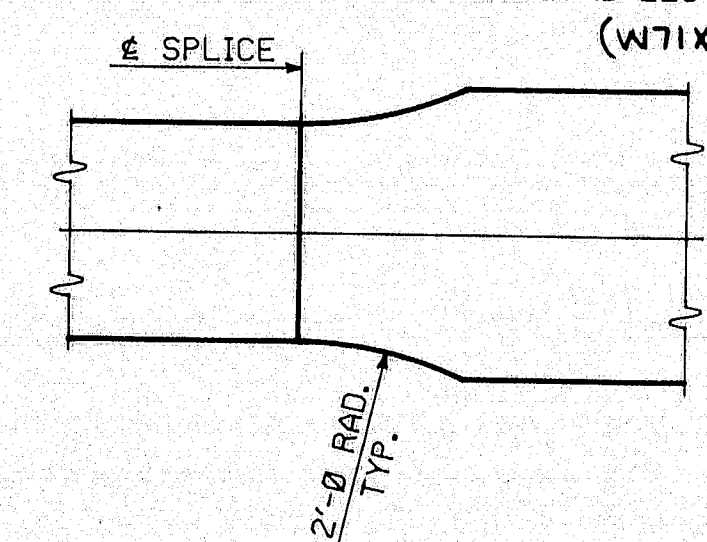
NOV 25 1996



TYPICAL FLANGE PLATE SPLICE
FOR FLANGE PLATES THICKER THAN 2" (B-U3c-S)
(W12X)



TYPICAL FLANGE PLATE SPLICE
FOR FLANGE PLATES 2" THICK AND UNDER (B-L2c-S)
(W11X)



FLG. THK.	"a"
1	5/8
1 1/4	3/4

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS LISTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

NAME TITLE

NOTES:

FOR GENERAL SHOP NOTES, SEE DRAWING N1.
DIMENSIONS SHOWN THUS: (20'-1 1/2") ARE THE ACTUAL DIMENSIONS
THAT WILL APPEAR ON THE GIRDER DETAIL DRAWINGS.
THE LETTERS "A" & "C" AT FLANGE SPLICES INDICATE TENSION
AND COMPRESSION SPLICES, RESPECTIVELY.
ALL SPLICES MARKED "A" TO BE RADIOGRAPHICALLY TESTED 100%.
ALL SPLICES MARKED "C" TO BE RADIOGRAPHICALLY TESTED 25%.

117-14

DESIGN CHG.	3-27-96
NO.	REVISION
DATE	

770 Hempstead Road
Lewiston, ME 04203-0008
Phone 755/299-5211

HIGH STEEL STRUCTURES, INC.

FLANGE SPLICE DETAILS
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION

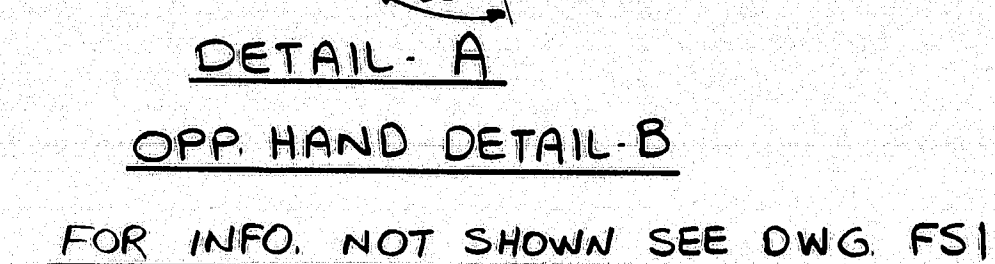
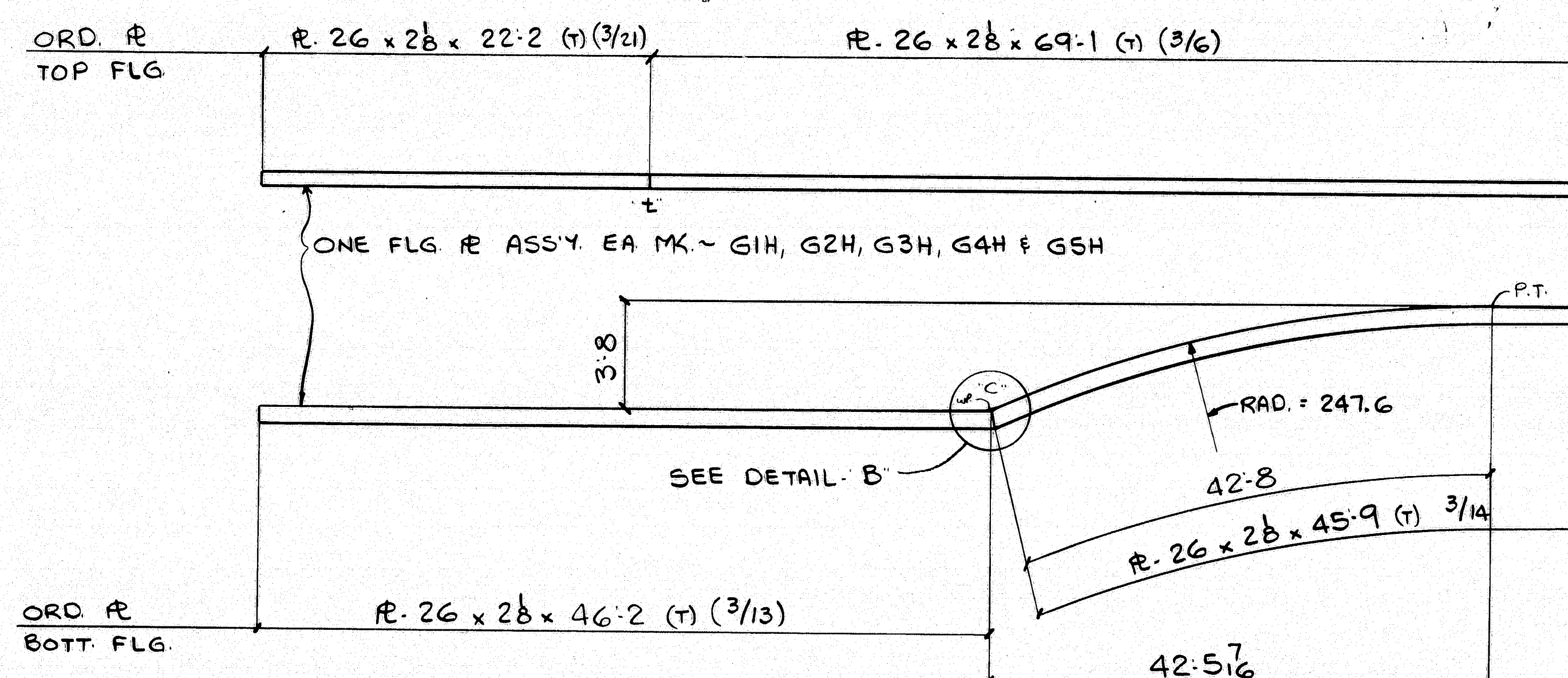
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE LANCE (WC) MADE BY TDF CHK'D BY DWG DATE 2-14-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER FS1

NOV 25 1996



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS LISTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 10
OF STANDARD SPECIFICATIONS.

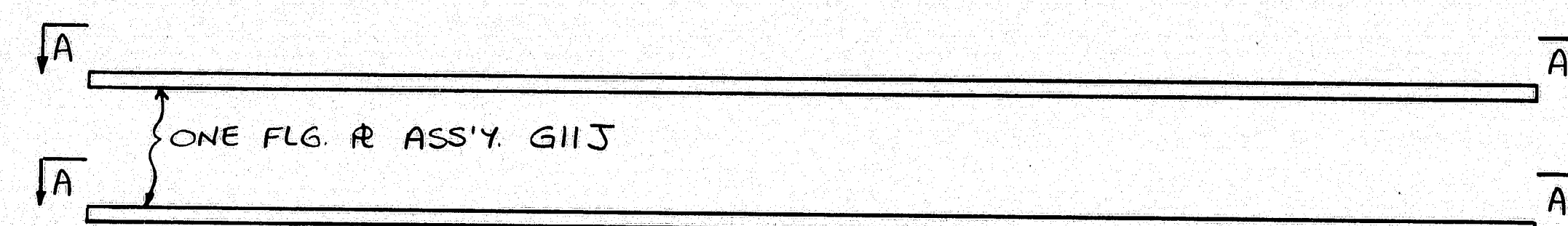
D. Glenn *PF1*

NOTES:
FOR WELDING DETAILS, SEE DWG. FS1.
FOR OTHER NOTES, SEE DWG. FS1.

11715

△			
△			
△			
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.		 1770 Hempstead Road Lancaster, PA 17605-0008 Phone: 717/299-5571 <i>A Division of High Industries, Inc.</i>	
FLANGE SPICE DETAILS PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 19+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO.	BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR	REED & REED, INC.		
IN CHARGE	LANCO (WC)	MADE BY: TDF	CHK'D. BY: DWG DATE: 2-14-
CONTRACT NUMBER	ME-95393-1		
	FS2		

NOV 25 1996



FLG.	A	B	C	D	E
TOP	41:56	40:49	9	4:02	P: 18 x 14 x 41:70 (4/6)
BOTT.	41:78	40:62	11	4:13	P: 22 x 26 x 41:9 (4/2)

CODE: 30

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

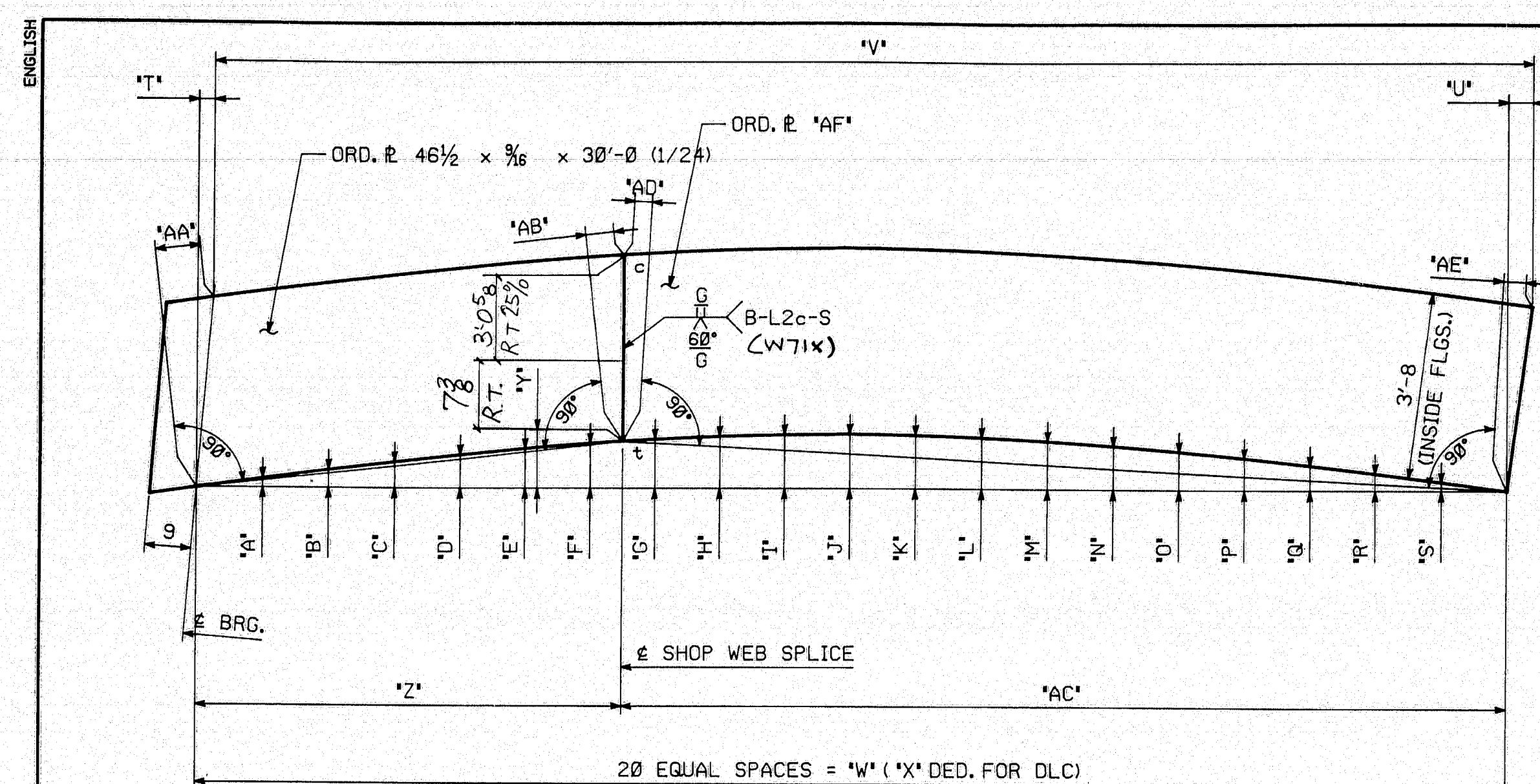
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 1
OF STANDARD SPECIFICATION

D. G. Lawrence TH

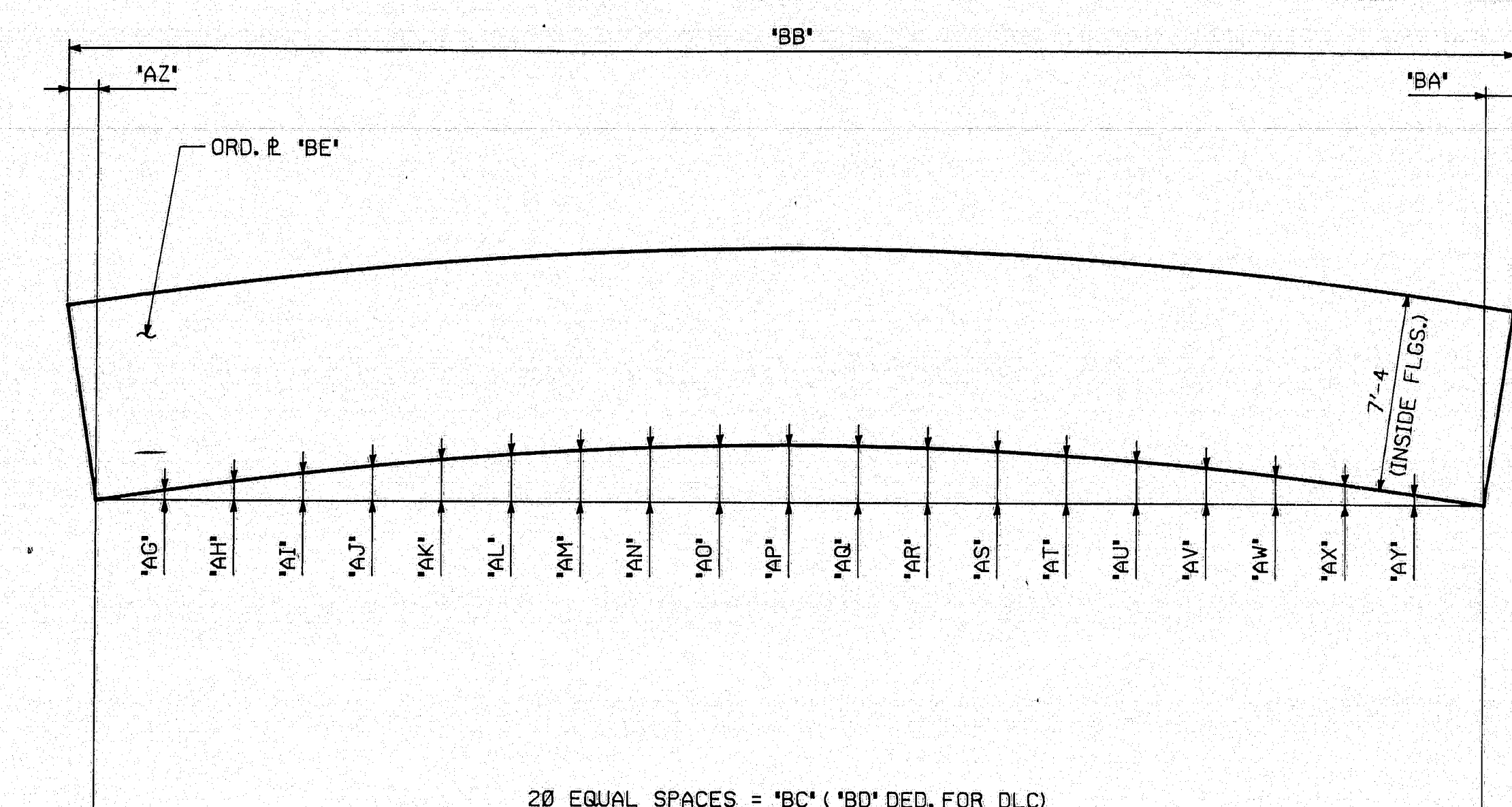
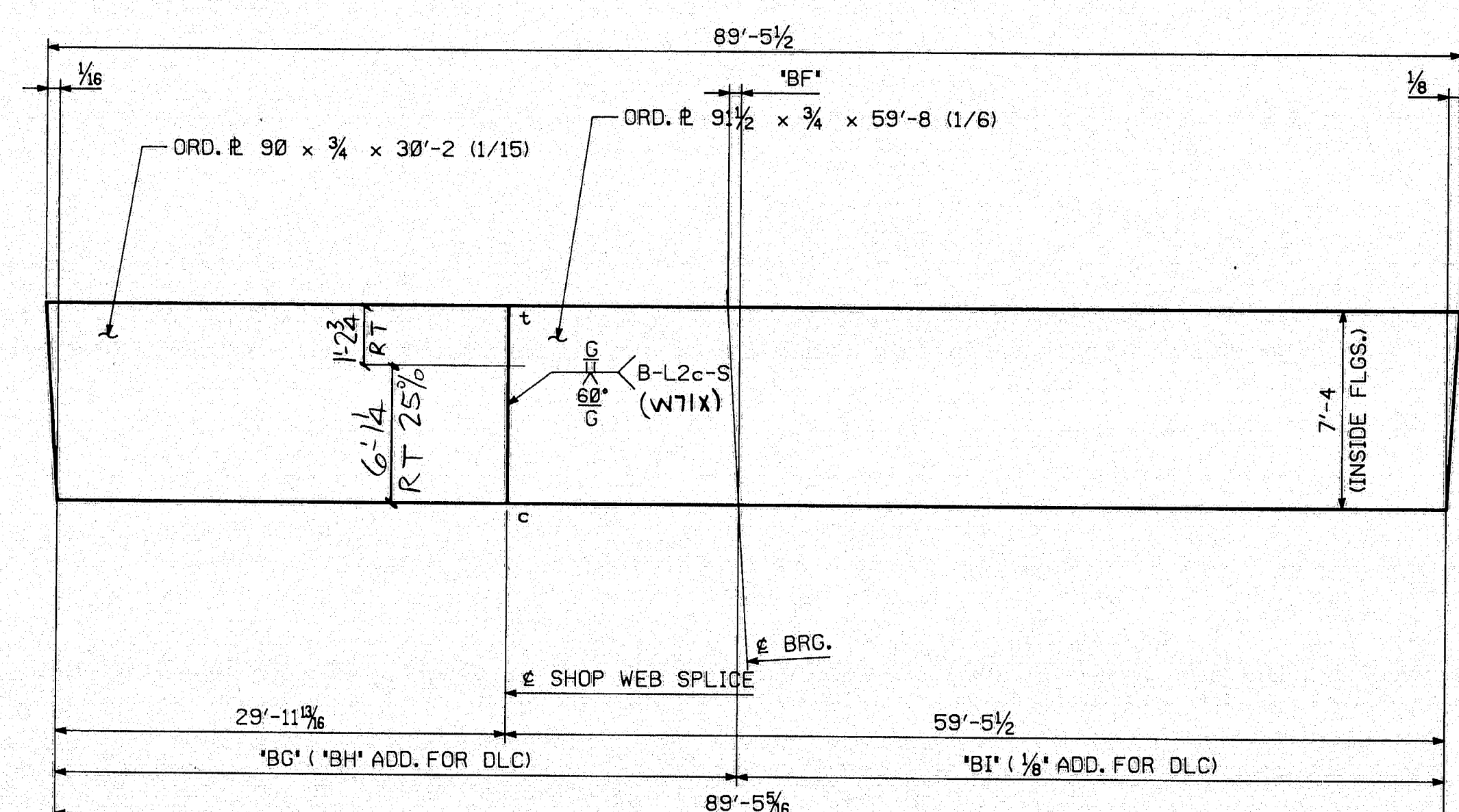
117-16

△			
△			
△	DESIGN CHG.		3-27-9
NO.	REVISION		DATE
1770 Hempstead Road Lancaster, PA 17603-0008 Phone 717/299-5228 HIGH STEEL STRUCTURES, INC.  A Division of High Industries, Inc.			
FLANGE SPlice DETAILS			
PENOBSCOT RIVER BRIDGE			
PENOBSCOT RIVER BRIDGE STA 18+70			
PENOBSCOT CO. BANGOR TO BREWER			
STATE OF MAINE			
DEPT. OF TRANSPORTATION			
STATE CONTRACT NO. BR-BRF-038-1(3S) PIN 2672-00			
CONTRACTOR REED & REED, INC			
IN CHARGE	ME (WC)	MADE BY	CHK'D BY DATE: 2-5-9
CONTRACT NUMBER ME-95393-1		DRAWING DESCRIPTION FS3	

NOV 25 1996



MARK	'AF'
G1A	$48\frac{1}{2} \times \frac{9}{76} \times 67'-10 (1/18)$
G2A	$49 \times \frac{9}{76} \times 66'-4 (1/17)$
G3A	$49 \times \frac{9}{76} \times 66'-4 (1/17)$
G4A	$49 \times \frac{9}{76} \times 66'-4 (1/17)$
G5A	$49 \times \frac{9}{76} \times 66'-4 (1/17)$



MARK	*BE*
G1C	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G2C	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G3C	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G4C	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G5C	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G1G	$90\frac{1}{2} \times \frac{3}{4} \times 89^{-3}$ (1/11)
G2G	$90\frac{1}{2} \times \frac{3}{4} \times 89^{-3}$ (1/11)
G3G	$90\frac{1}{2} \times \frac{3}{4} \times 89^{-3}$ (1/11)
G4G	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)
G5G	$91 \times \frac{3}{4} \times 89^{-3}$ (1/7)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

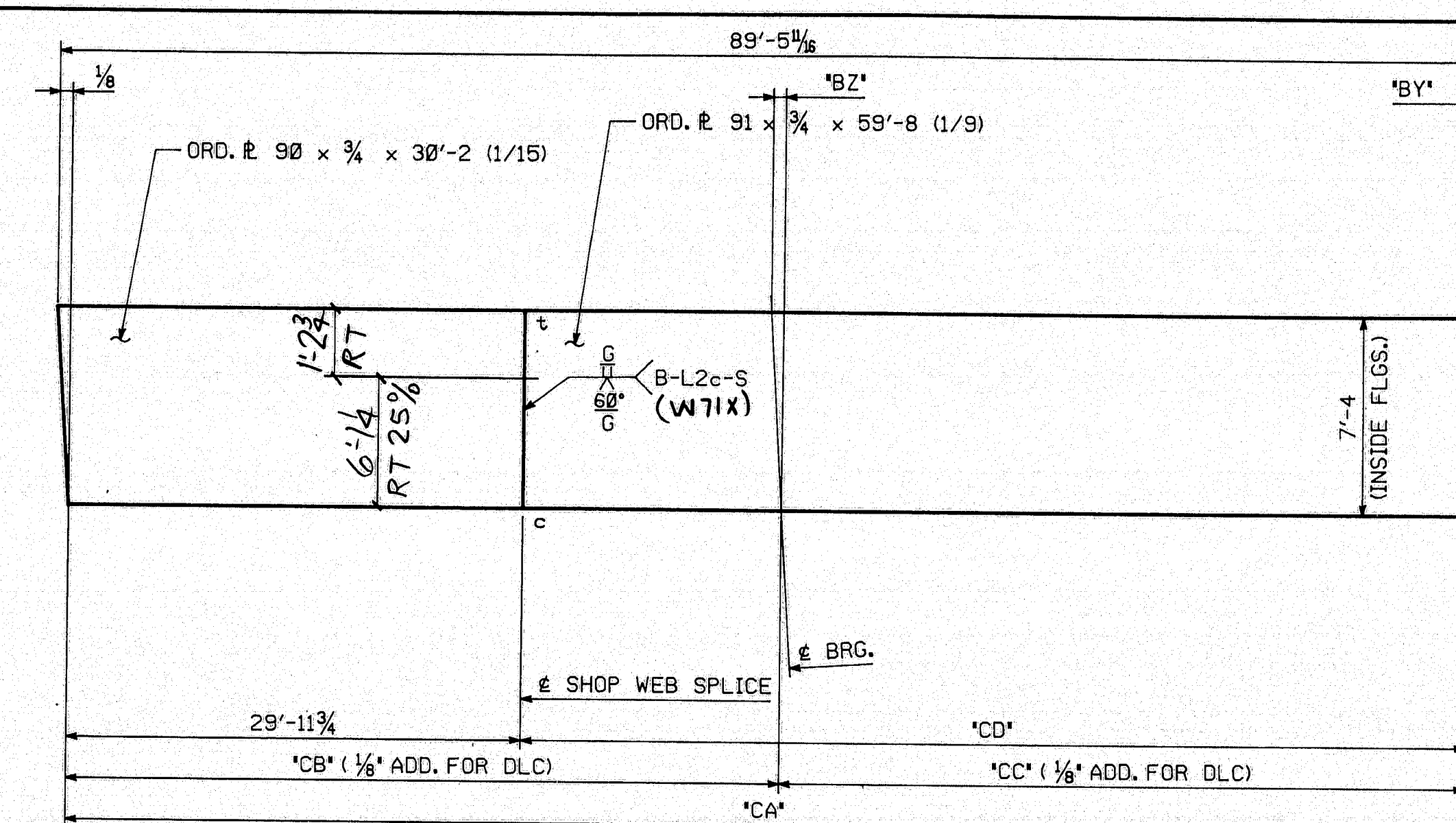
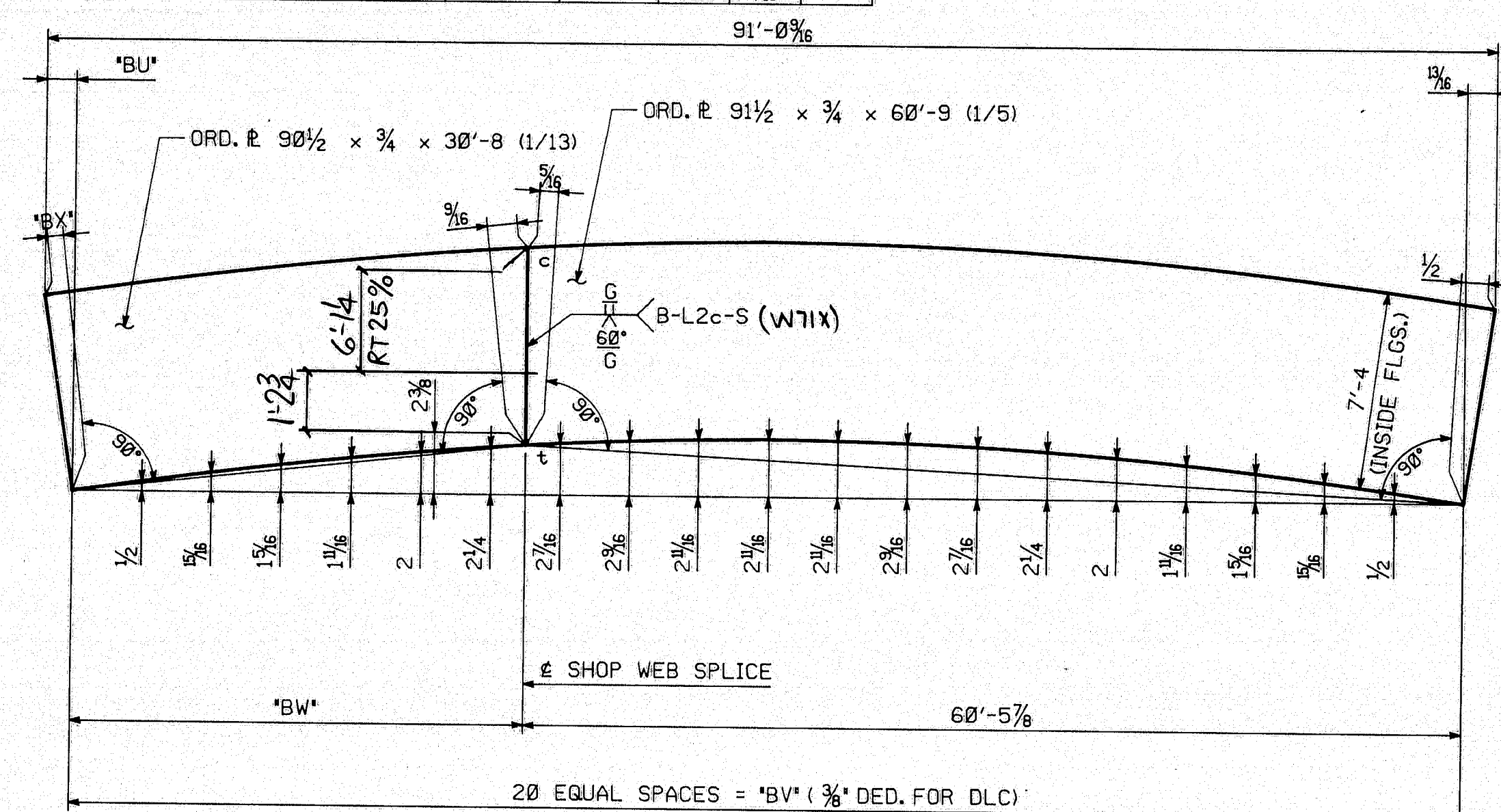
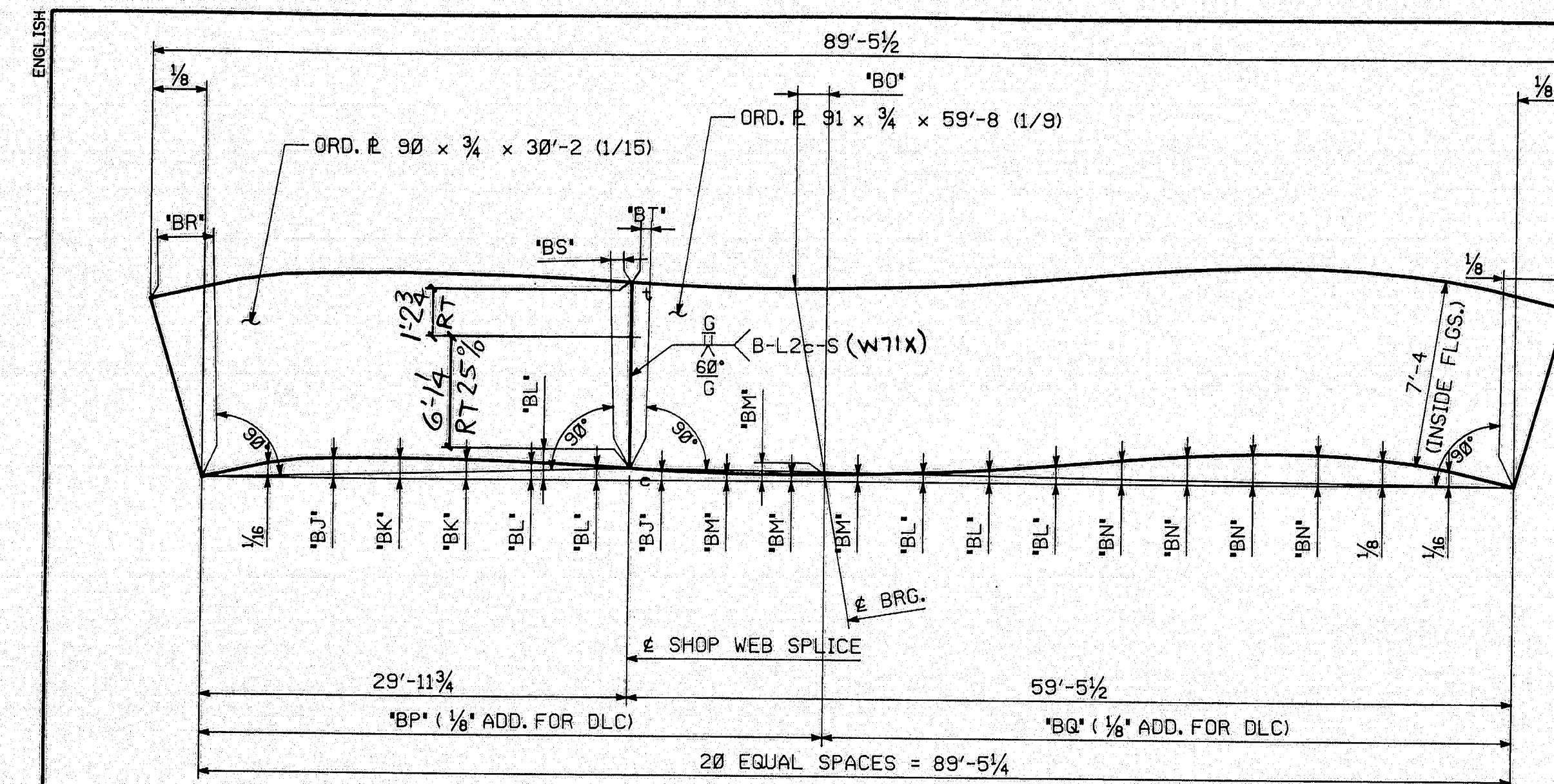
☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

D. G. [Signature] [Signature]
NAME TITLE

NOTES:
FOR GENERAL SHOP NOTES, SEE DRAWING N1.
ALL WEB PLATES REQUIRE CHАРY V-NOTCH TEST.
THE LETTERS '*' & '•' AT WEB SPLICES INDICATE TENSION AND
COMPRESSION EDGES AT SPLICES.
RT INDICATES RADIOGRAPHIC TESTING FOR 1/10 OF THE WEB
DEPTH AT TENSION EDGE PLUS 25% OF THE
REMAINDER AT RANDOM.

△			
△			
△			
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.			1770 Hempstead Road Longwood, Pa. 15059-0008 Phone 717/259-5253 A Division of High Industries, Inc.
WEB CAMBER DIAGRAMS			
PENOBSCOT RIVER BRIDGE			
PENOBSCOT RIVER BRIDGE STA. 18+70			
PENOBSCOT CO., BANGOR TO BREWER			
STATE OF MAINE			
DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO.	BR-BRF-238-1(K35) PIN 2672.00		
CONTRACTOR	REED & REED, INC.		
IN CHARGE	LANCO (WC)	MADE BY	CHK'D BY: DWG DATE: 2-14-76
CONTRACT NUMBER	ME-95393-1		DRAWING WC1



FED.ROAD DIV.NO.	STATE	FED.AID PROJ.NO.
1	ME	BR-BRF-03 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS: NO

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 3
OF STANDARD SPECIFICATIONS.

D. C. Jones R. J. [unclear] NYE

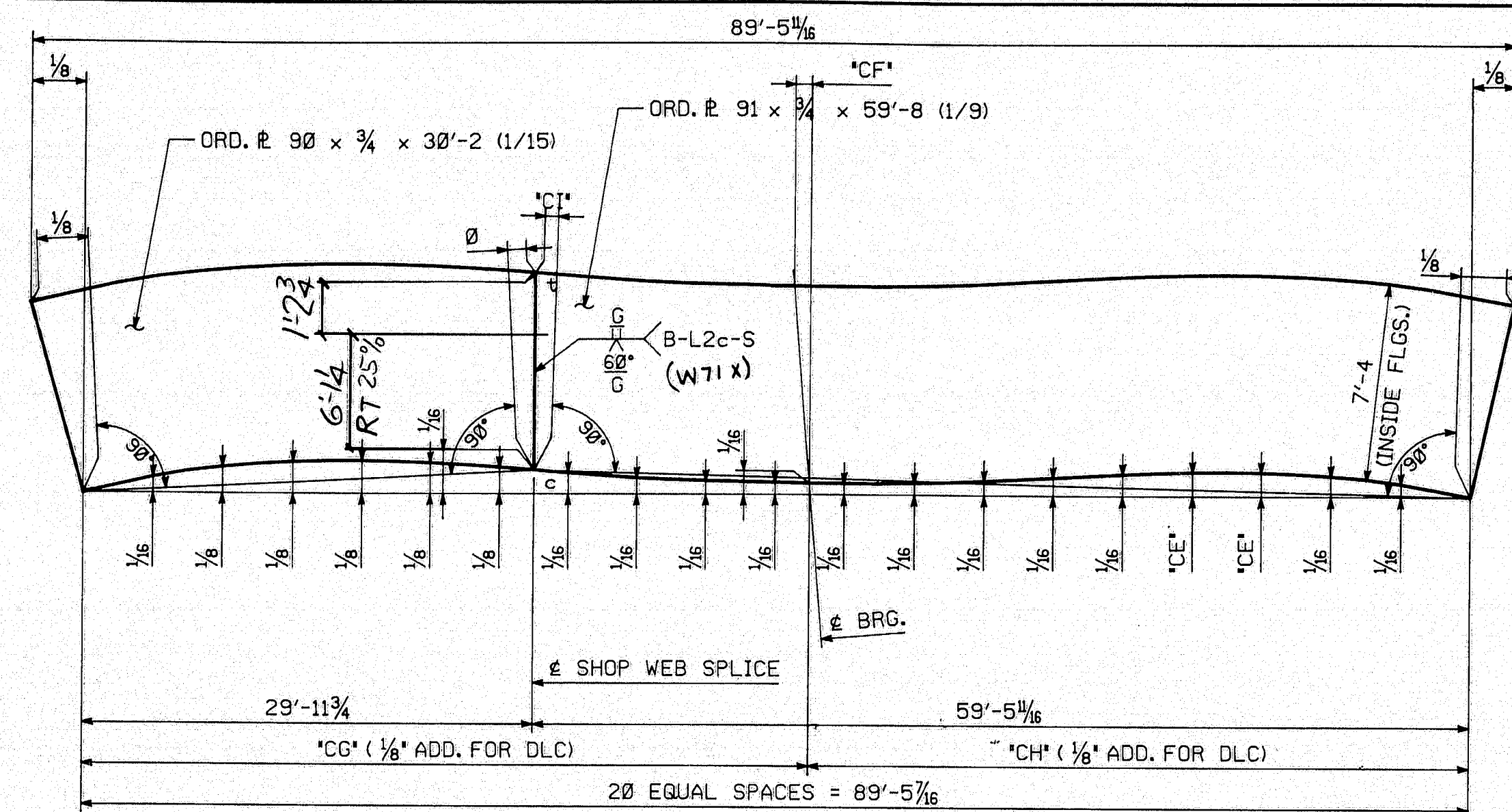
NOTES:
FOR NOTES, SEE DWG. WC1.

117-18

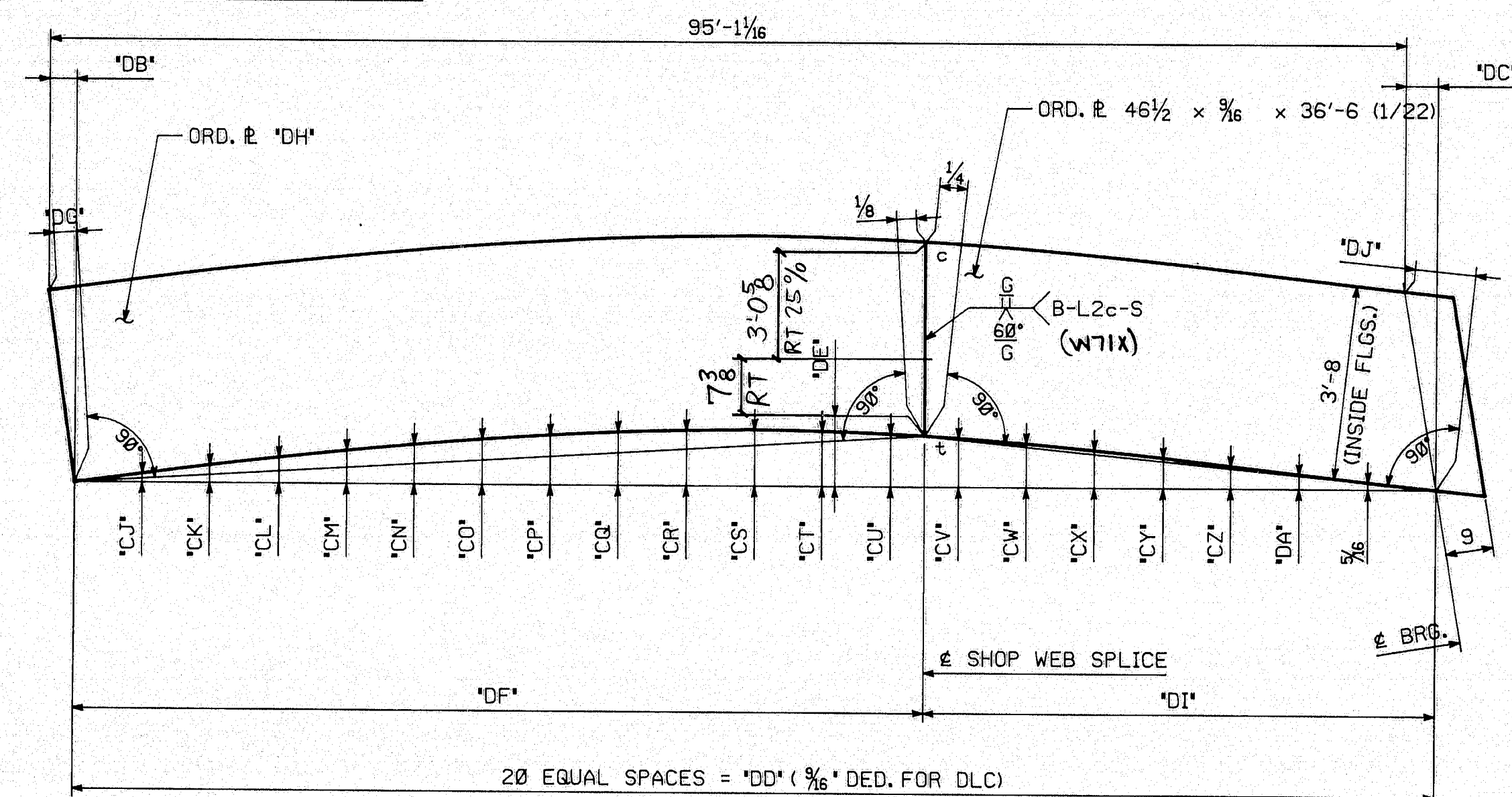
△			
△			
△			
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.		 1170 Hempstead Road Lancaster, PA 17601-0008 Phone 1717/299-5221 <i>A Division of High Industries, Inc.</i>	
WEB CAMBER DIAGRAMS PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 18+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PN 2672.00			
CONTRACTOR REED & REED, INC.			
IN CHARGE:	LANCO (WC)	MADE BY:	CHK'D. BY: DWG DATE: 2-14-
ME-95393-1		DRAWING NO. WC2	

NOV 25 1996

ENGLISH

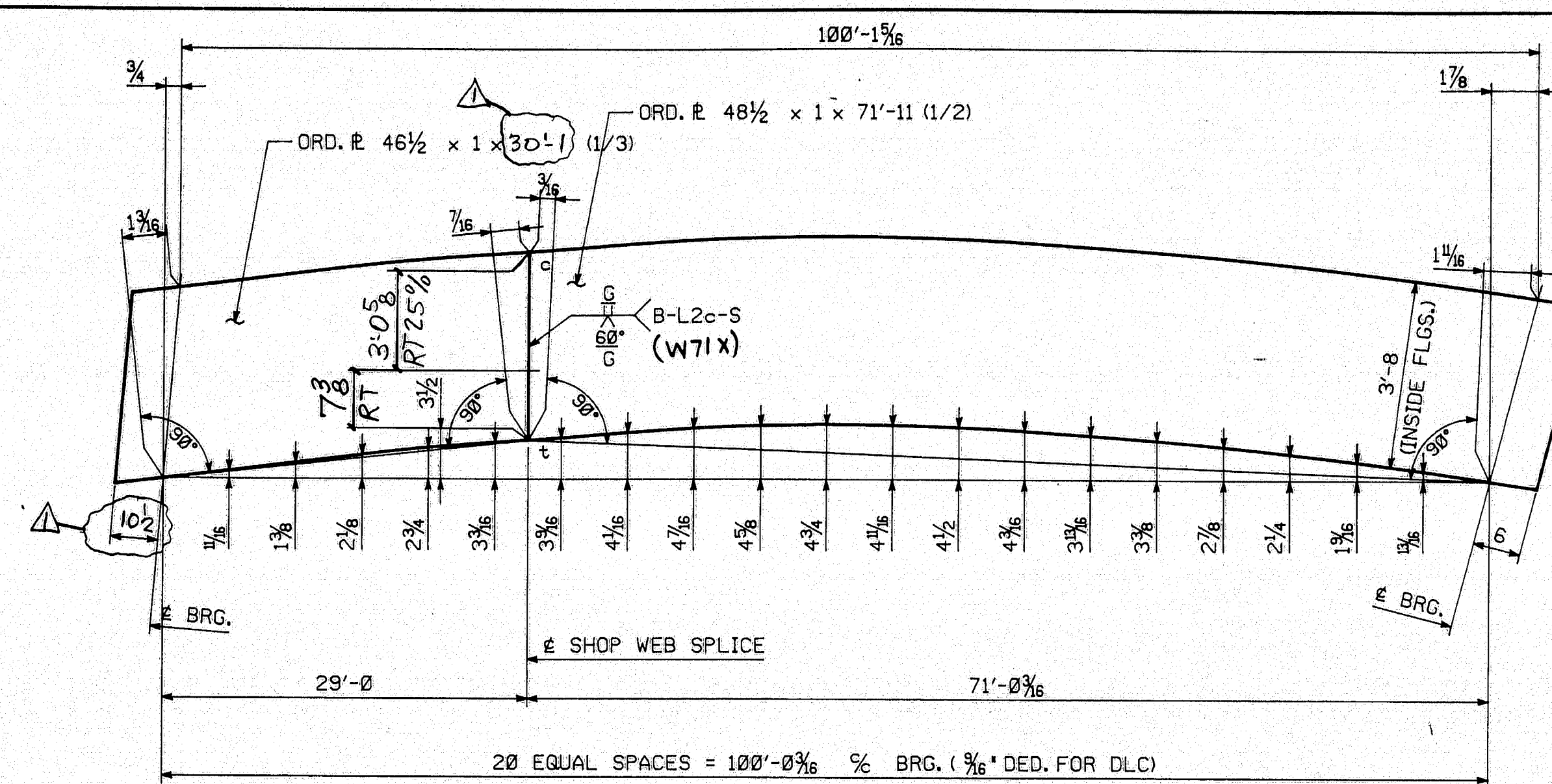


MARK	*CE*	*CF*	*CG*	*CH*	*CI*
G2F	1/8	1 1/8	45'-7 1/2	43'-9 5/8	1/8
G4F	1/8	1 1/8	45'-7 1/8	43'-10	0



MARK	*CJ*	*CK*	*CL*	*CM*	*CN*	*CO*	*CP*	*CQ*	*CR*	*CS*	*CT*	*CU*	*CV*	*CW*	*CX*	*CY*	*CZ*	*DA*	*DB*	*DC*	*DD*	*DE*	*DF*	*DG*
G1I	3/8	3/8	1 1/8	1 1/8	1 1/8	1 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	1 1/8	1 1/8	1 1/8	5/8	5/8	5/8	1/2	95'-1 1/4	2 1/8	59'-6 3/8	3/8
G2I	7/8	7/8	1 1/8	1 1/8	1 1/8	2	2 3/8	2 3/8	2 3/8	2 3/8	2 3/8	2 3/8	2 3/8	1 1/8	1 1/8	1 1/8	1	5/8	5/8	1/2	95'-1 1/4	2 3/8	59'-6 1/8	1/4
G3I	7/8	7/8	1 1/4	1 1/8	1 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	1 1/8	1 1/8	1 1/8	1	5/8	5/8	1/2	95'-1 1/4	2 3/8	59'-6 1/8	1/4
G4I	7/8	7/8	1 1/8	1 1/8	1 1/8	2	2 1/4	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	1 1/8	1 1/8	1	1 1/8	5/8	5/8	1 1/4	2 3/8	59'-6 1/8	1/4
G5I	1/2	5/8	1 1/8	1 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	1 3/4	1 1/8	1 1/8	1 1/8	3/8	5/8	1 1/4	2 3/8	59'-6 1/8	1/4	

MARK	*DH*	*DI*	*DJ*
G1I	47 x 3/8 x 59'-10 (1/21)	35'-6 1/2	3/4
G2I	47 x 3/8 x 59'-10 (1/21)	35'-6 1/2	3/4
G3I	47 x 3/8 x 59'-10 (1/21)	35'-6 1/8	5/8
G4I	47 1/2 x 3/8 x 59'-10 (1/19)	35'-6 3/8	5/8
G5I	47 1/2 x 3/8 x 59'-10 (1/19)	35'-6 3/8	5/8



CAMBER DIAGRAM - G6J

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 3.03 OF STANDARD SPECIFICATIONS

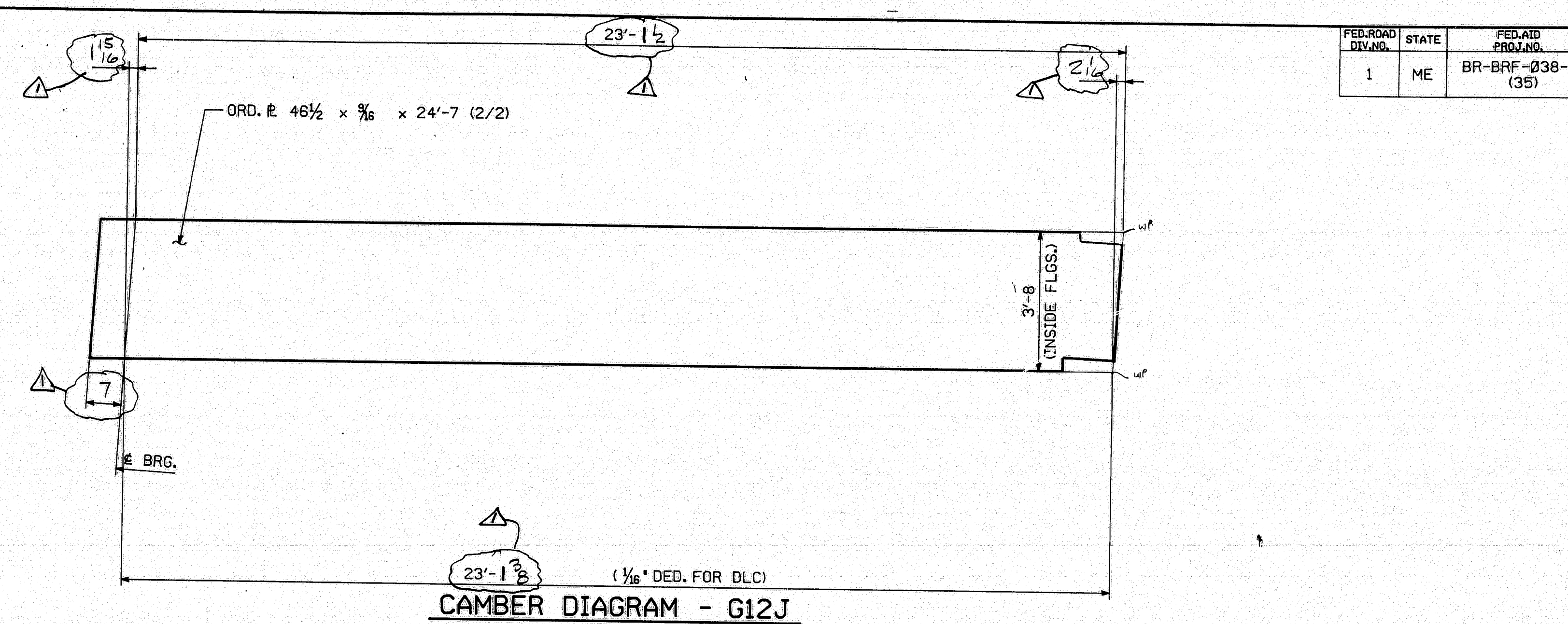
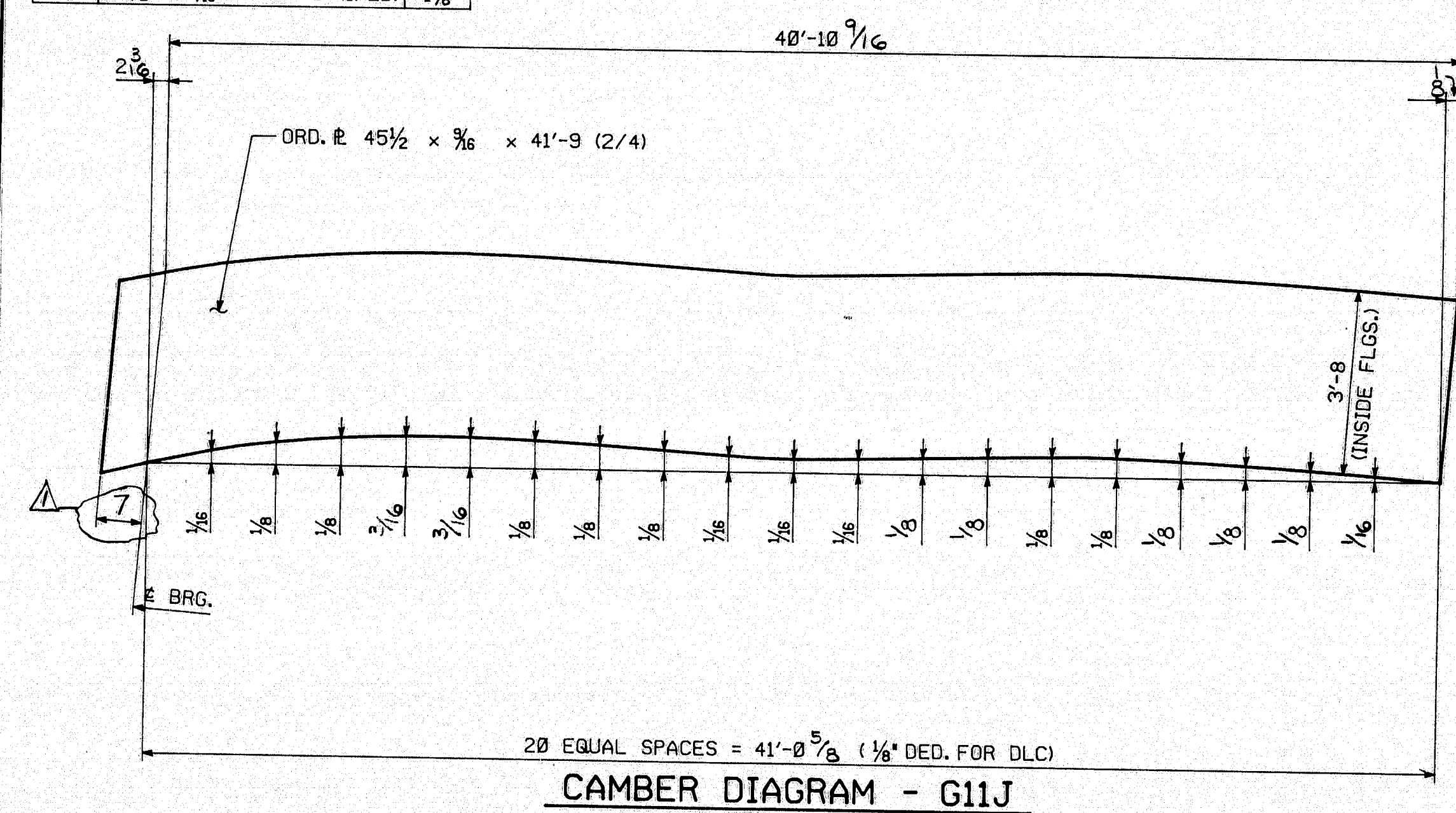
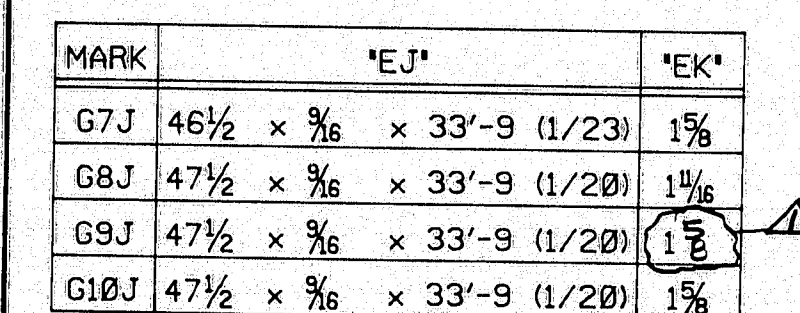
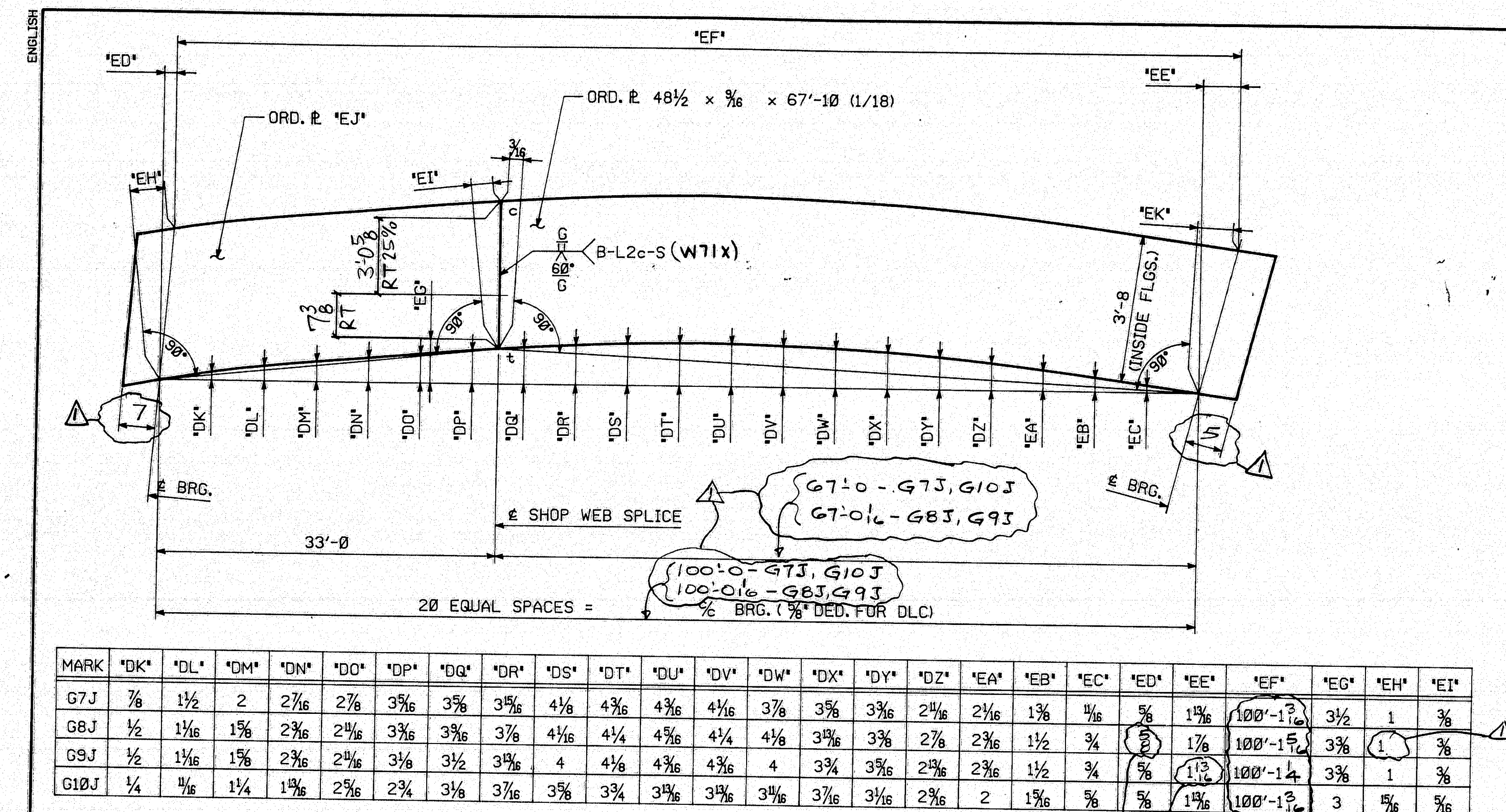
D. G. [Signature] *[Signature]*
NAME TITLE

NOTES:
FOR NOTES, SEE DWG. WC1.

117-19

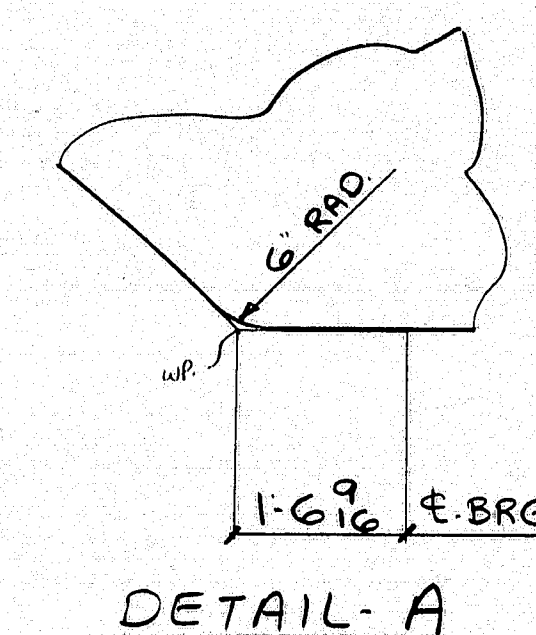
△		
△		
△	DESIGN CHG.	3-27-96
NO.	REVISION	DATE
1770 Hempstead Road Lancaster, PA 17603-0008 Phone 717/299-5201 HIGH STEEL STRUCTURES, INC. WEB CAMBER DIAGRAMS PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 18+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00 CONTRACTOR REED & REED, INC. IN CHARGE LANC (WC) MADE BY ADG CHK'D BY DWG DATE 2-14-96 CONTRACT NUMBER ME-95393-1 DRAWING NUMBER WC3		

NOV 25 1996



NOTES:
FOR NOTES, SEE DWG. WC1.

117-20	
△	
△	
△	DESIGN CHG.
NO.	REVISION
	DATE
1770 Hempstead Road Lanesboro, PA 16805-0008 Phone 717/295-523 HIGH STEEL STRUCTURES, INC.  <i>A Division of High Industries, Inc.</i>	
WEB CAMBER DIAGRAMS PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 18+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00 CONTRACTOR REED & REED, INC. IN CHARGE LANCOS (WC) MADE BY: ADG CHK'D BY: DWG DATE: 2-14-9 CONTRACT NUMBER ME-95393-1 DRAWING NO. WC4	



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 10
OF STANDARD SPECIFICATIONS

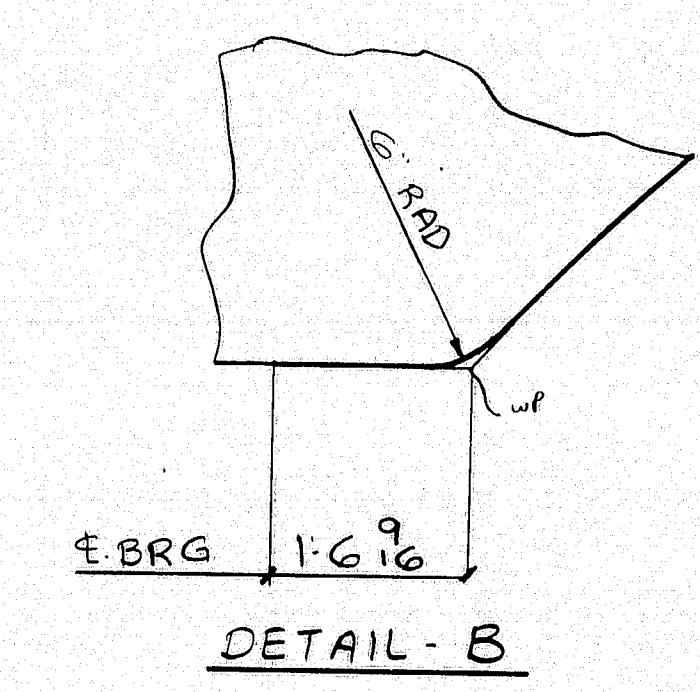
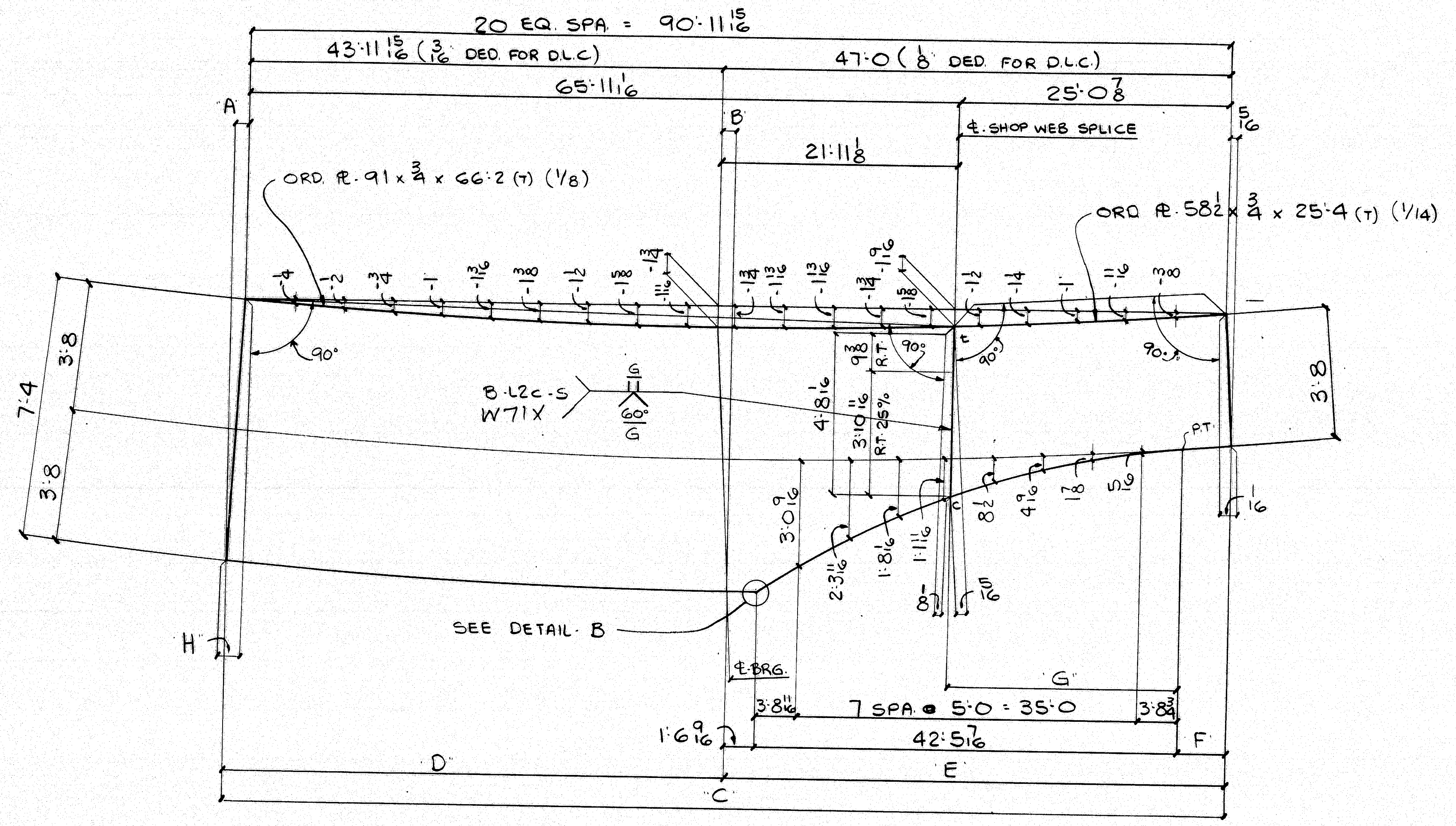
D. G. [Signature] *[Signature]*

117-21

△			
△			
△			
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.		 1770 Hempstead Road Levittown, PA. 19005-0008 Phone 717/259-9221 <i>A Division of High Industries, Inc.</i>	
WEB CAMBER DIAGRAMS PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 18+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO. BR-BRF-038-1135E PA 2672.00			
CONTRACTOR REED & REED, INC.		MADE BY: DF CHK'D. DWG DATE 2-14-81	
IN CHARGE: LANC0 (WC)			
CONTRACT NO. ME-95393-1		DRAWING NUMBER WCS	

NOV 25 1996

ENGLISH



MARK	A	B	C	D	E	F	G	H
G1H	3/8	2 9/16	91'-0 8/16	44'-2 8/16	46'-9 3/4	2'-9 3/4	22'-3 7/16	3/16
G2H	7/16	2 9/16	91'-0 1/16	44'-2 1/16	46'-9 3/4	2'-9 3/4	22'-3 7/16	1/4
G3H	7/16	2 1/2	91'-0 1/16	44'-2 8/16	46'-9 1/16	2'-9 1/16	22'-3 3/8	1/4
G4H	7/16	2 9/16	91'-0 1/16	44'-2 1/16	46'-9 3/4	2'-9 3/4	22'-3 7/16	1/4
G5H	7/16	2 9/16	91'-0 1/16	44'-2 1/16	46'-9 3/4	2'-9 3/4	22'-3 7/16	1/4

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1995

☐ RETURNED FOR CORRECTION ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 103 OF STANDARD SPECIFICATIONS

NAME: D. Glen TITLE: Fi

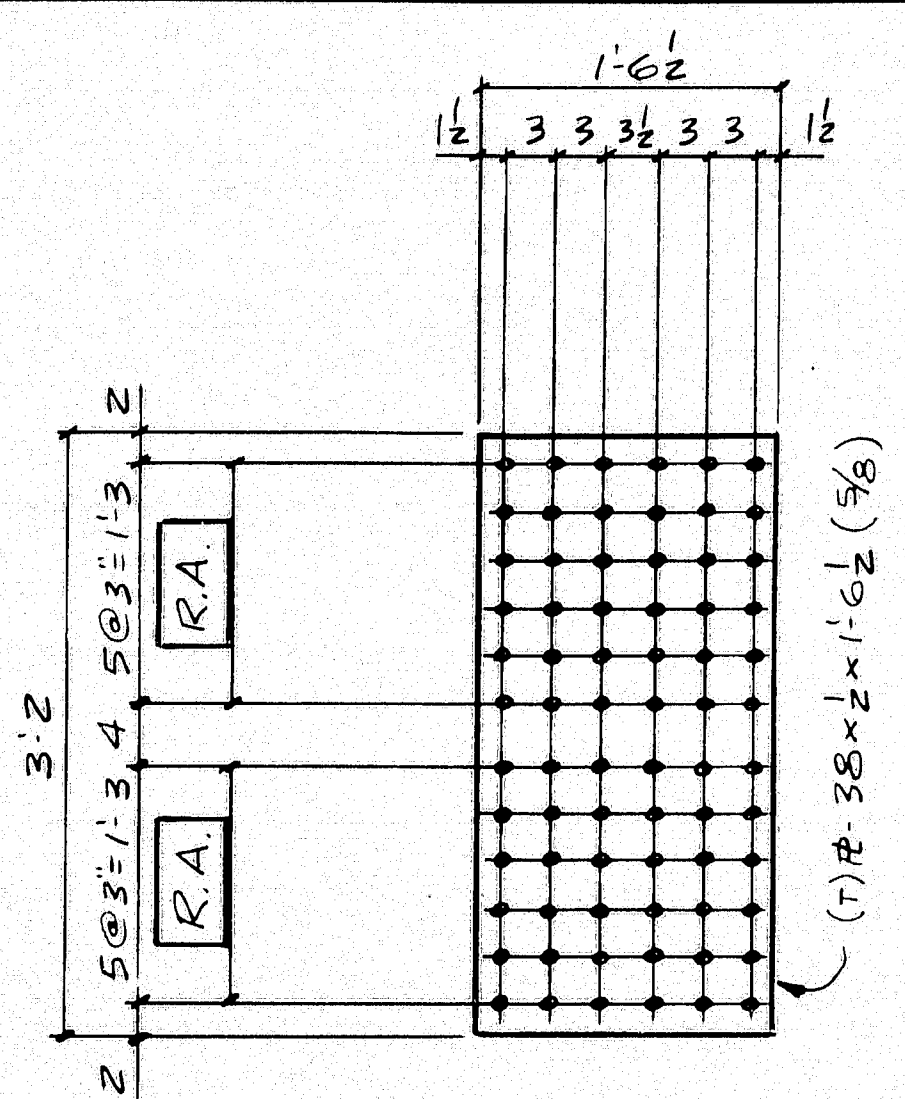
NOTES:
FOR NOTES, SEE DWG. WC1.

117-22

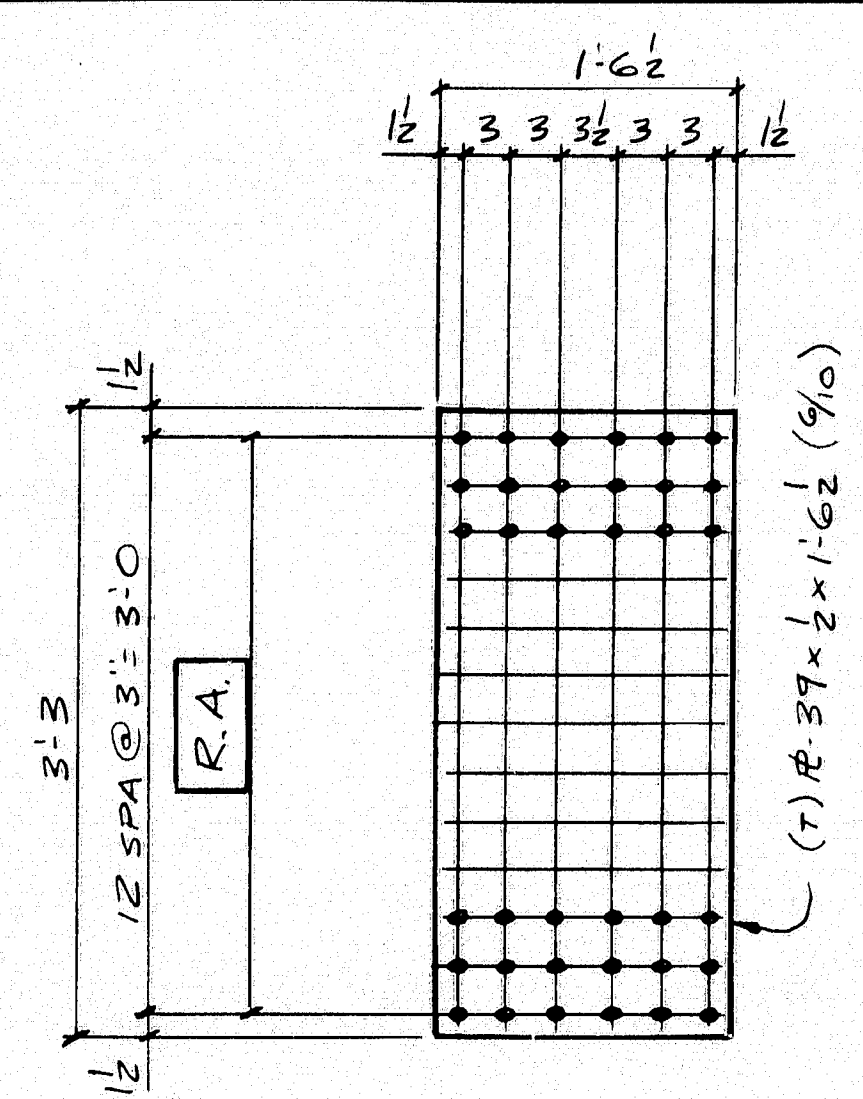
△		
△		
△		
NO.	REVISION	DATE
1170 Hempstead Road Lancaster, PA 17605-0005 Phone 717/299-5211		
HIGH STEEL STRUCTURES, INC.		
A Division of High Industries, Inc.		
WEB CAMBER DIAGRAMS		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR REED & REED, INC.		
IN CHARGE: LANCO (WC) MADE BY: OF BY: DWG. DATE: 2-14-96		
CONTRACT NUMBER: ME-95393-1 DRAWING NUMBER: WCG		

CODE: 30

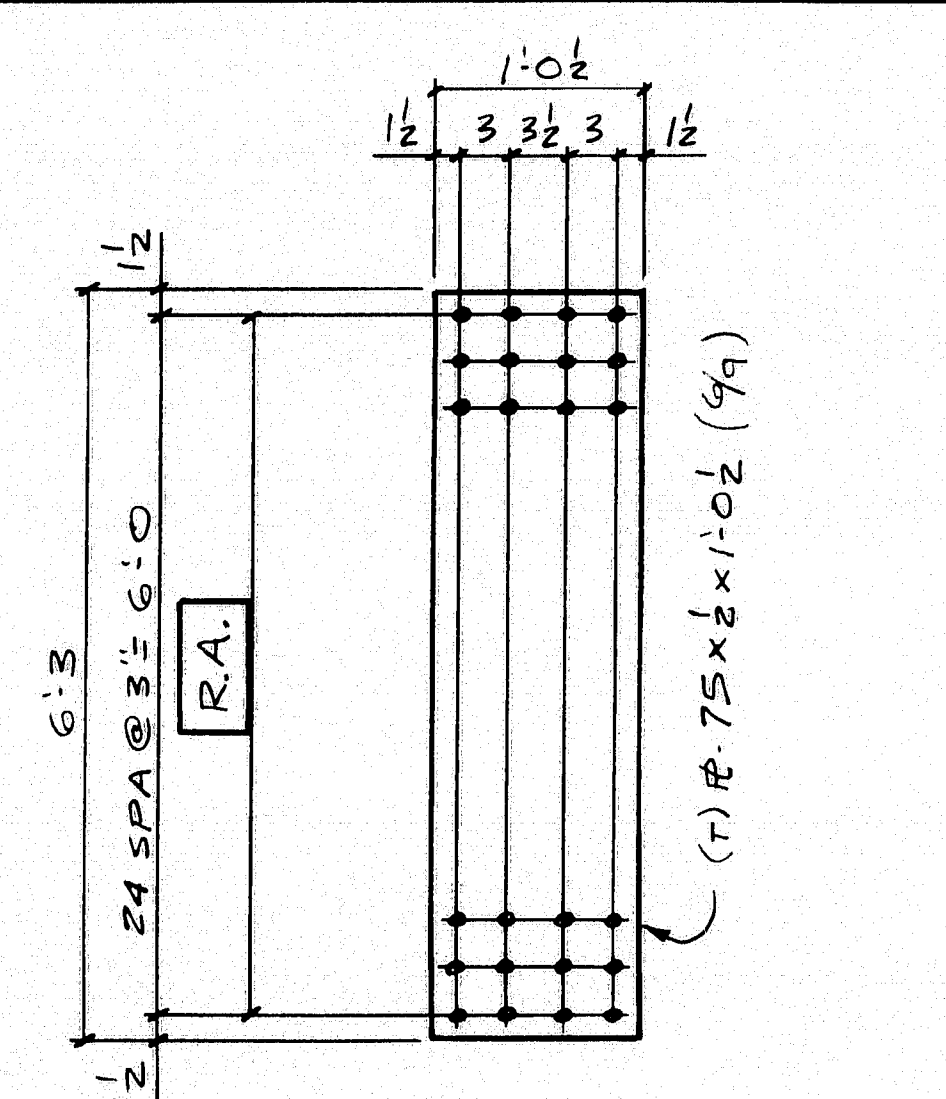
NOV 25 1995



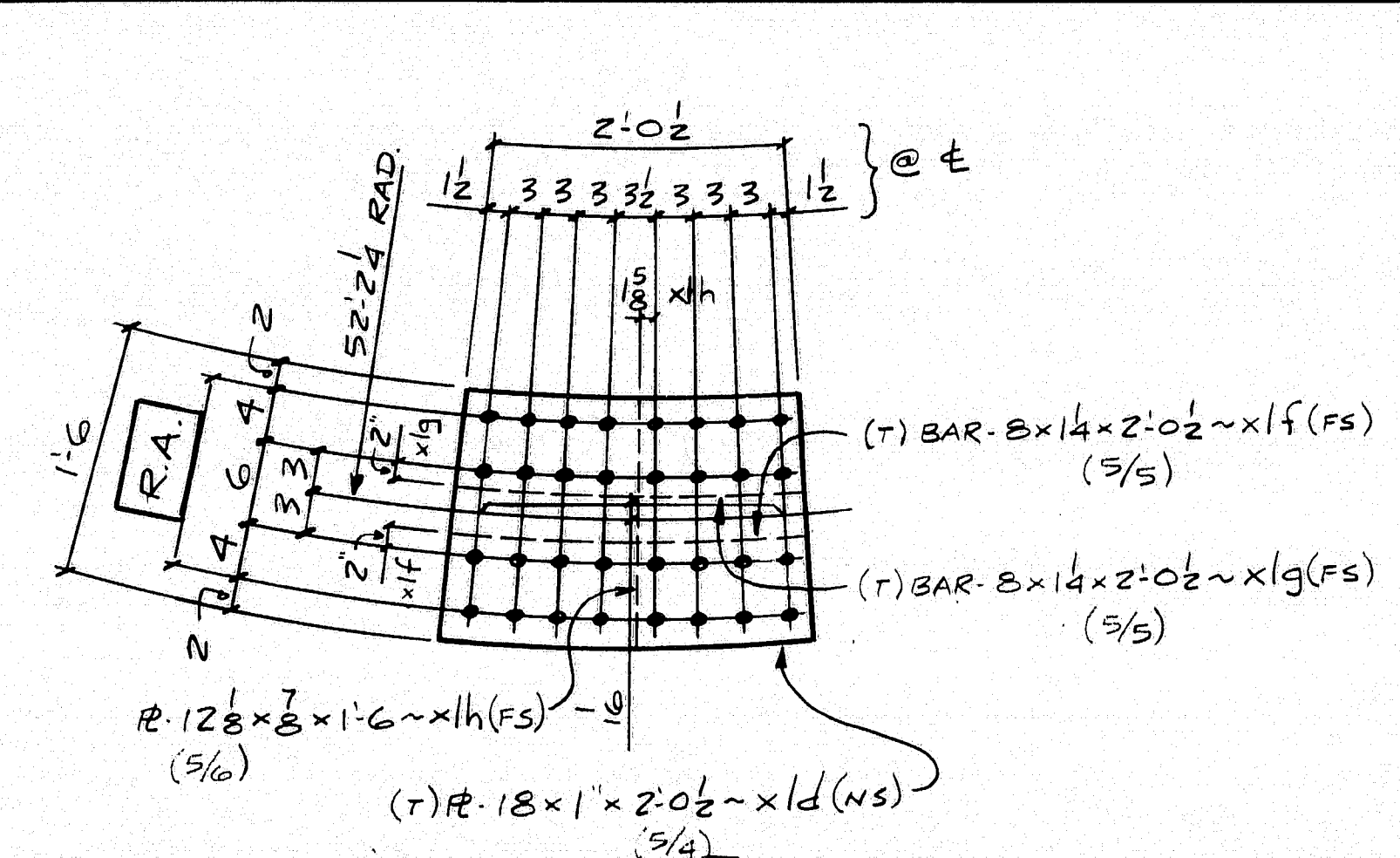
2-SPlice R's ~ x/a



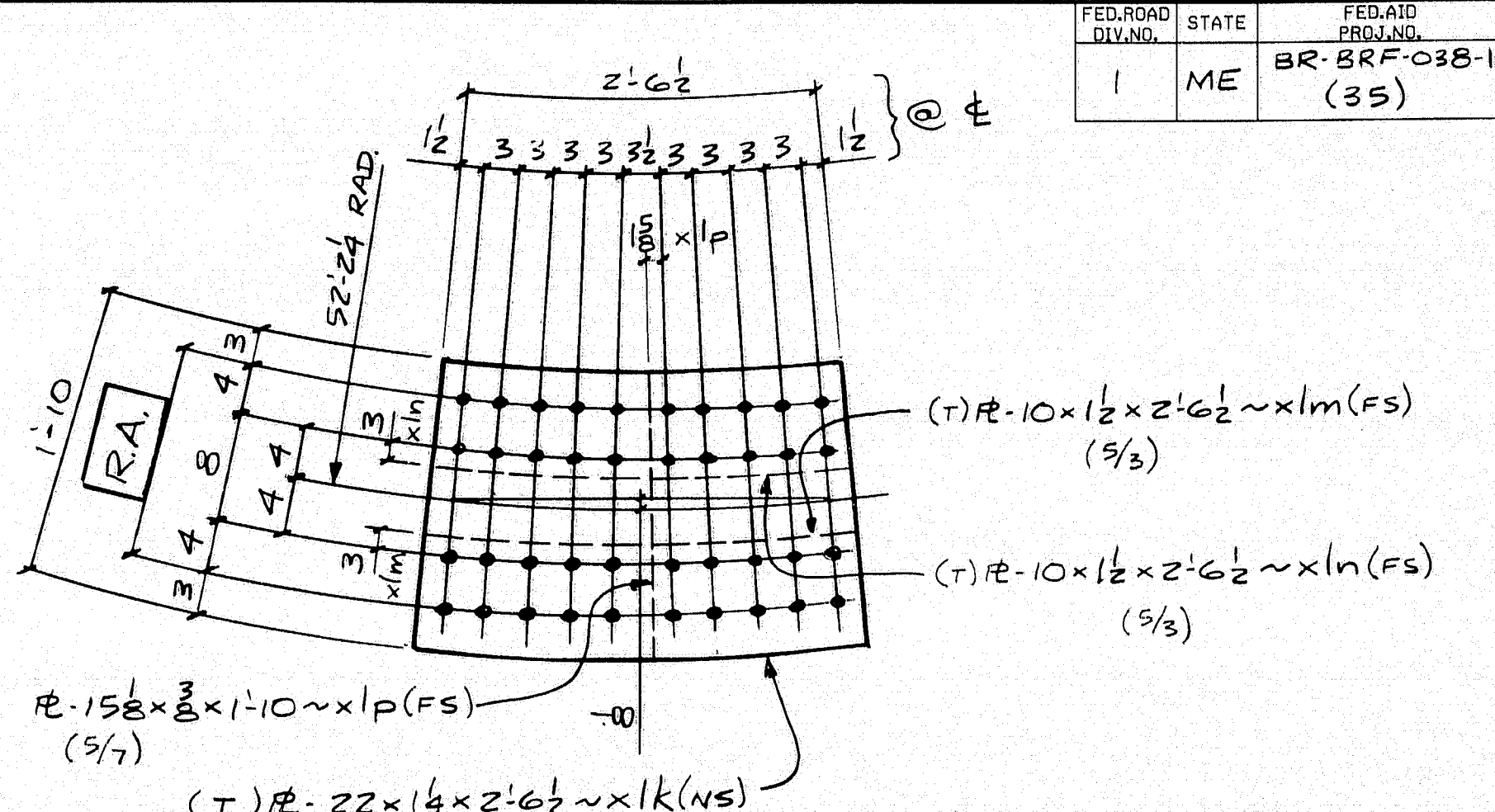
20-SPlice R's ~ x/b



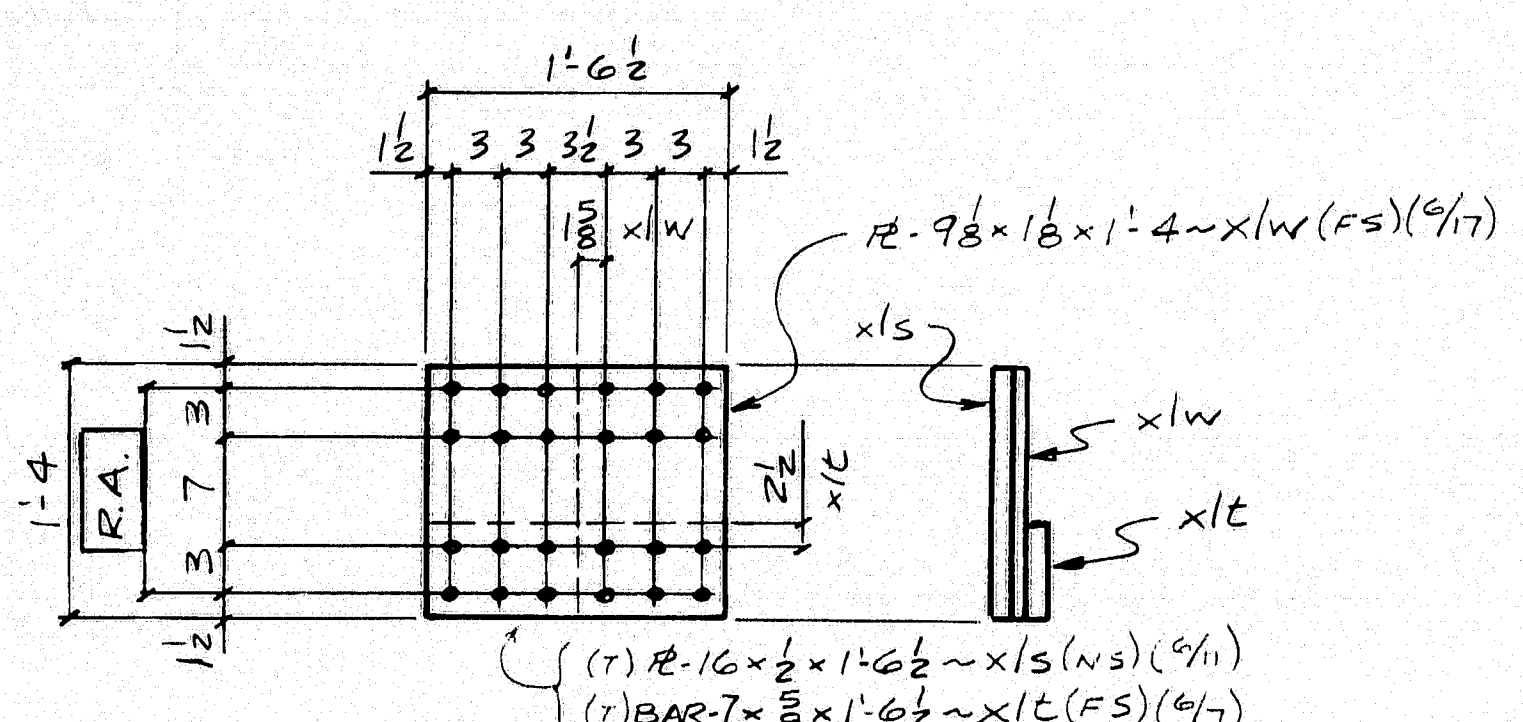
60-SPlice R's ~ x/c



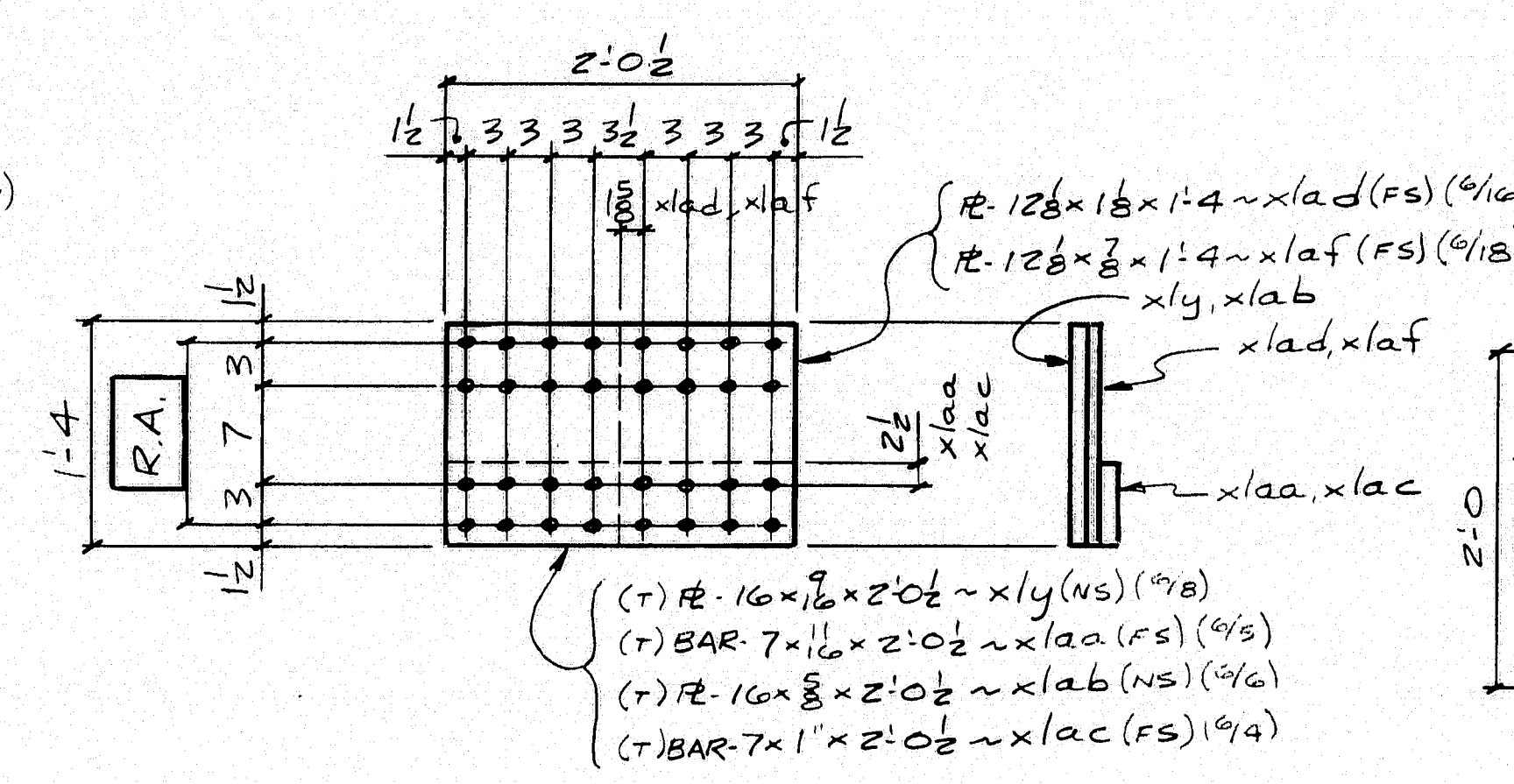
ONE-SPlice R ~ x/d
ONE-SPlice R ~ x/f
ONE-SPlice R ~ x/g
ONE-FILL R ~ x/h



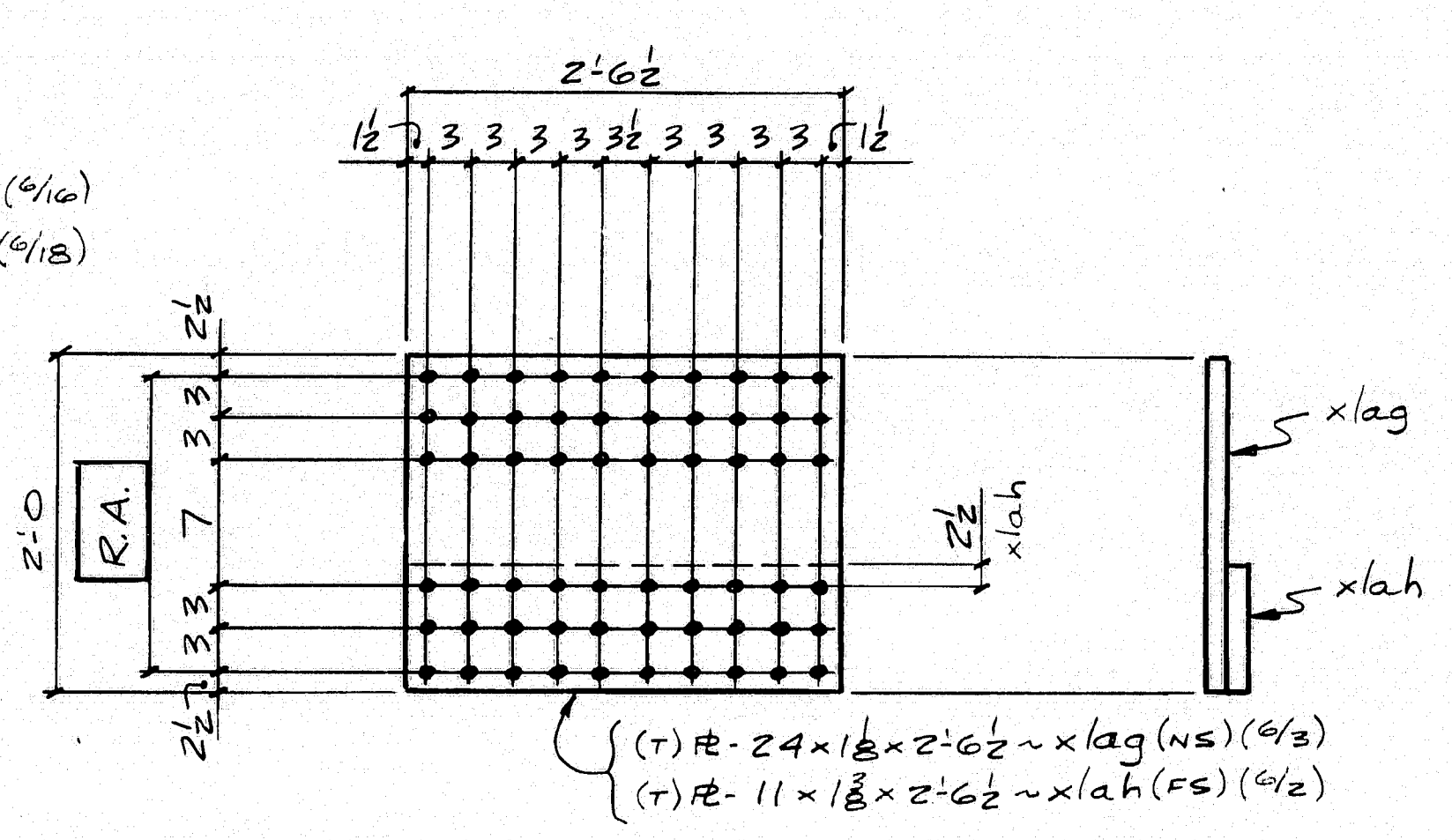
ONE-SPlice R ~ x/k
ONE-SPlice R ~ x/m
ONE-SPlice R ~ x/n
ONE-FILL R ~ x/p



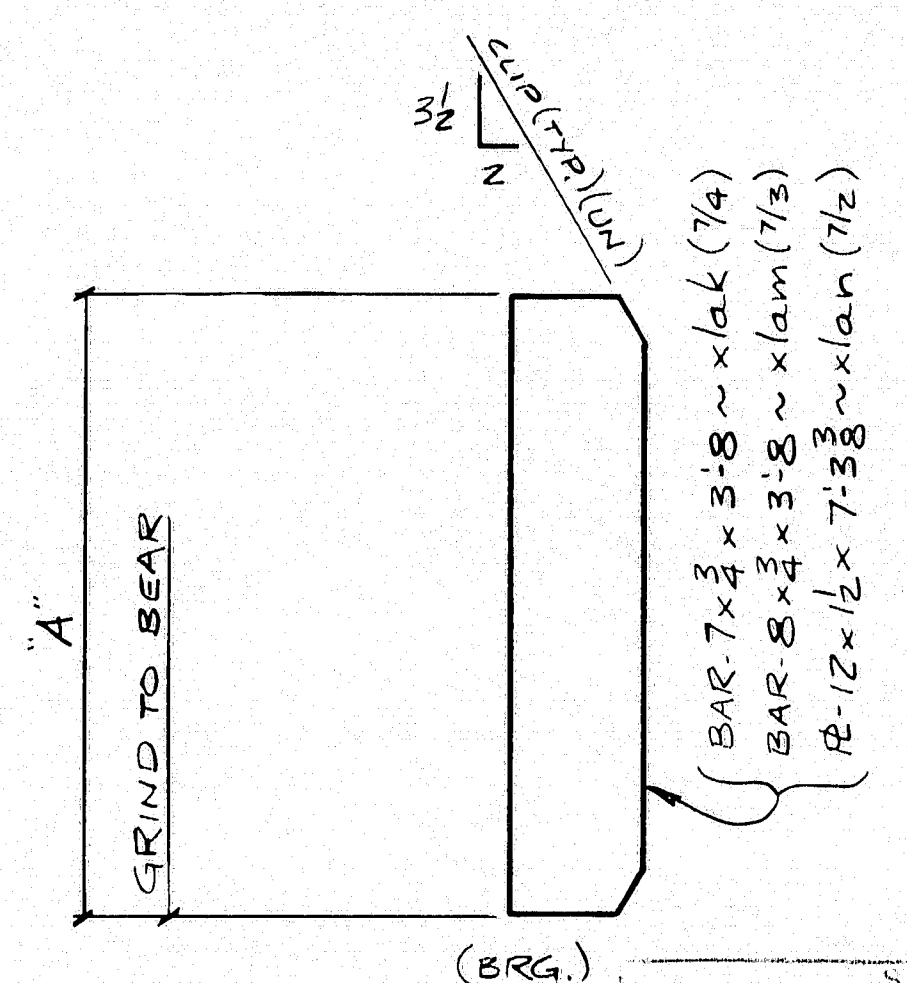
30-SPlice R's ~ x/s
60-SPlice R's ~ x/t
30-FILL R's ~ x/w



10-SPlice R's ~ x/y
20-SPlice R's ~ x/aa
30-SPlice R's ~ x/ab
60-SPlice R's ~ x/ac
10-FILL R's ~ x/ad
30-FILL R's ~ x/af



10-SPlice R's ~ x/ag
20-SPlice R's ~ x/ah



MARK	NO.	READ	"A"
x/ag	4	3:8	
x/am	5	3:8	
x/an	8	7:38	

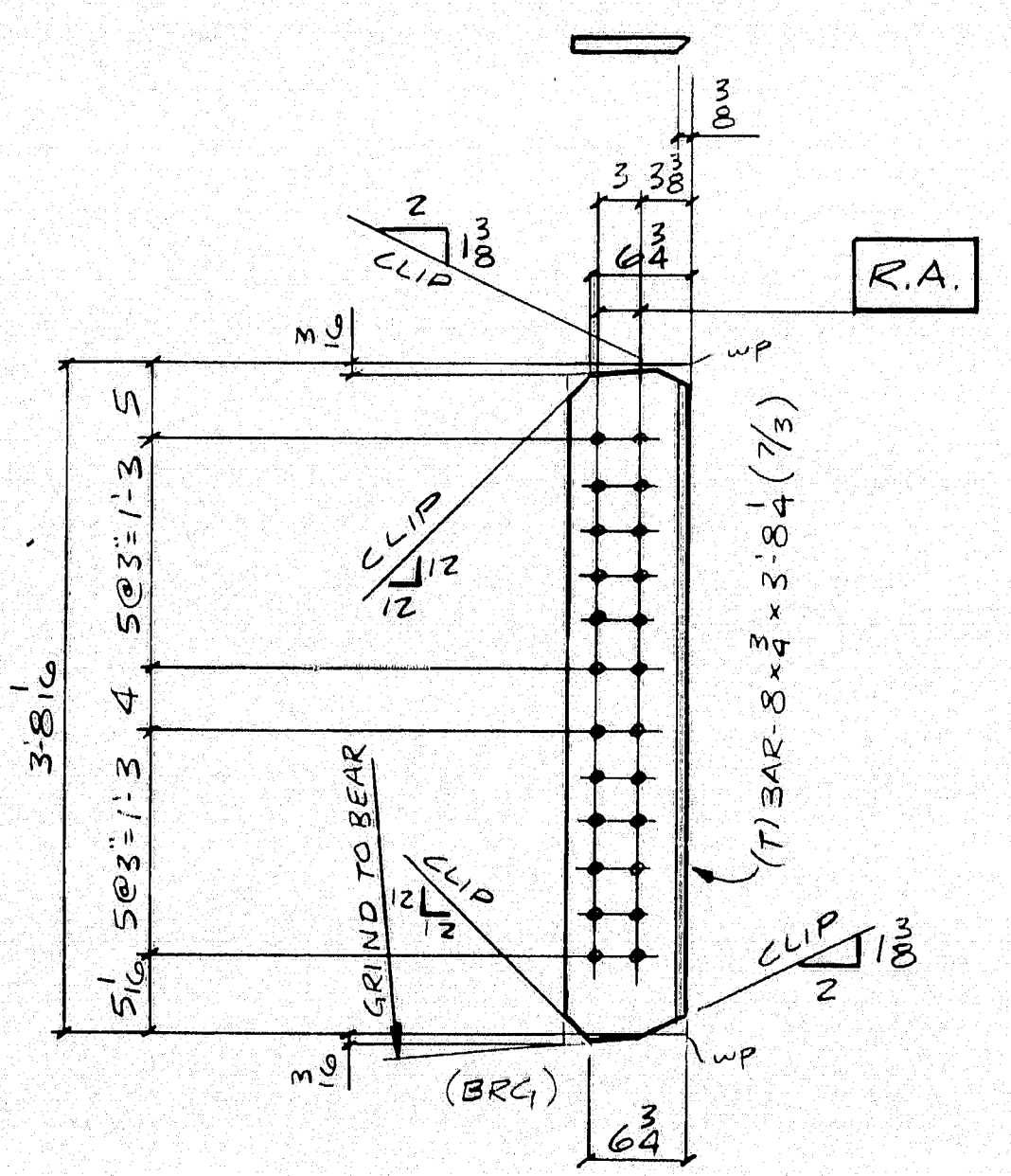
NOV 27 1996

RETURNED FOR CORRECTION: ☐ REJECTED

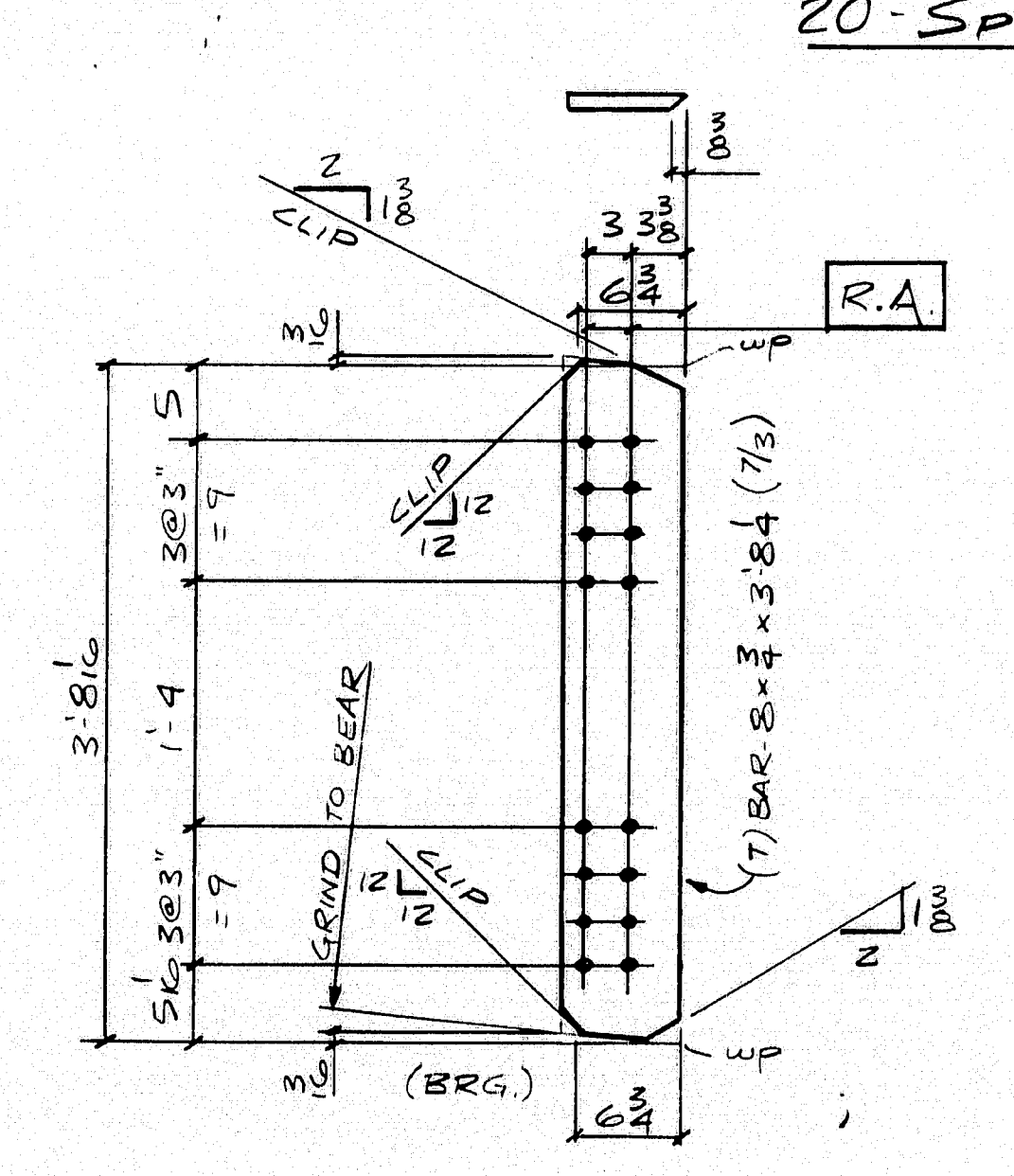
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 103

31 STANDARD SPECIFICATIONS

DATE: 11/27/96



ONE-REQ'D ~ x/ap



ONE-REQ'D ~ x/as

SHOP NOTE

HOLES: 15"

BOLTS: NONE

PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

117-23

NO.	REVISION	DATE
1		

HIGH STEEL STRUCTURES, INC.

805 Old Philadelphia Pike
Lancaster, PA 17605-0008
Phone 717/299-5281

A Division of High Industries, Inc.

GIRDER JOBS STANDARDS

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 18+70

PENOBSCOT CO., BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT NO. BR-BRF-038-1 (35) PIN 2672.00

CONTRACTOR: REED & REED, INC.

IN CHARGE: LANGE (W.C.)

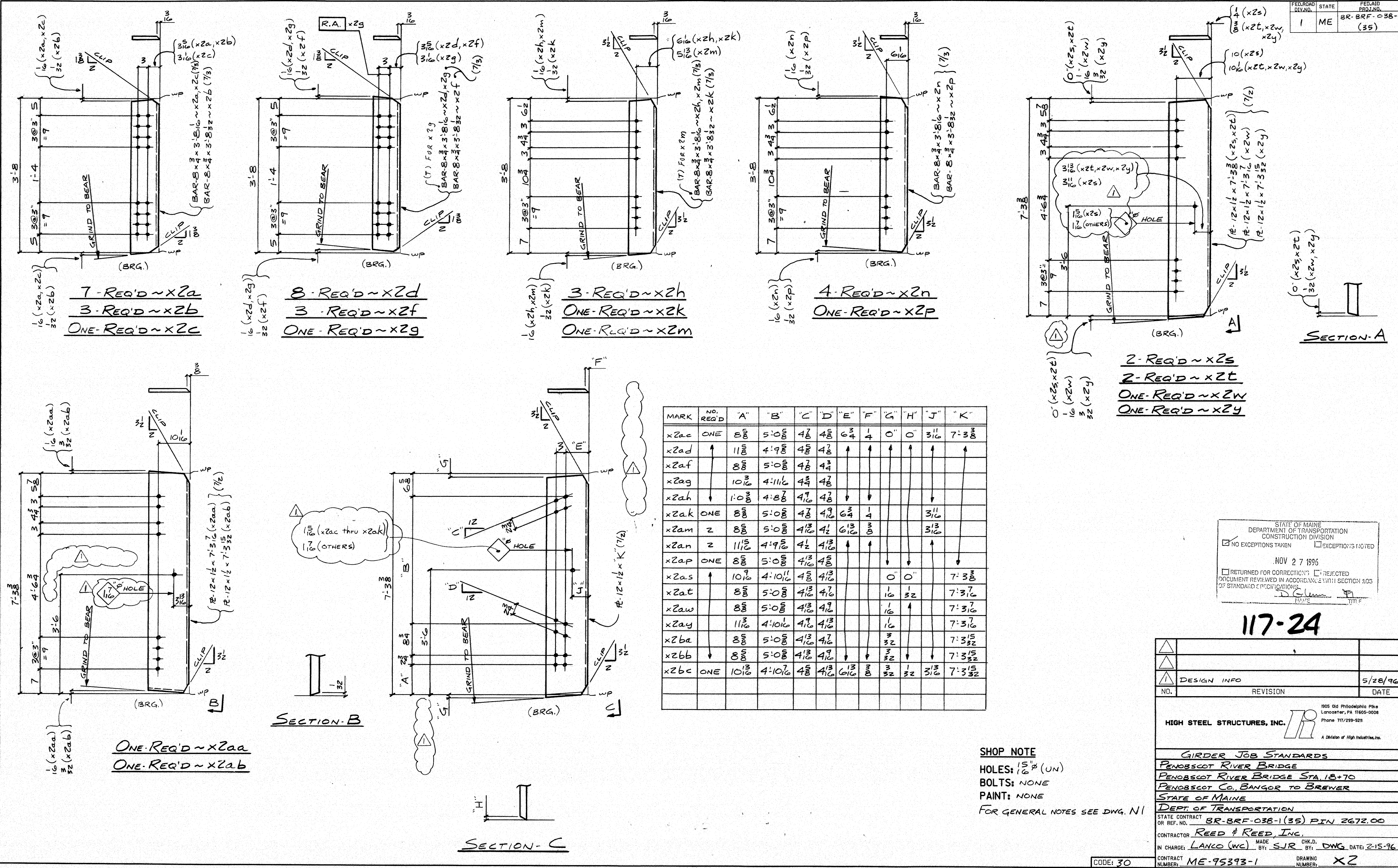
MADE BY: SUR

CHKD. BY: DWG

DATE: 2-15-96

CONTRACT NUMBER: ME-95393-1

DRAWING NUMBER: X1



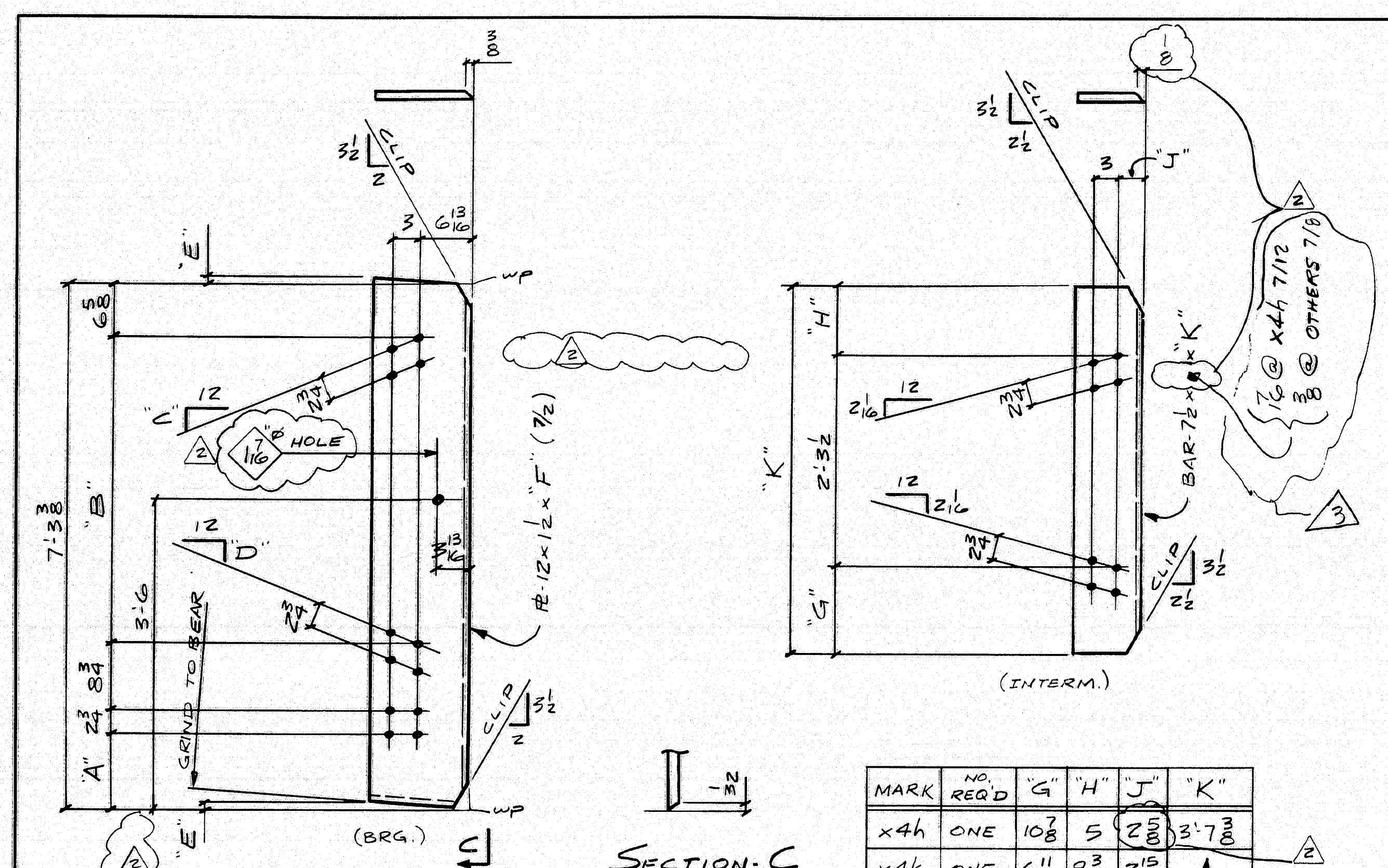
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS LISTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 103
OF STANDARD SPECIFICATIONS
D. G. [Signature]
150/16

117-24

DESIGN INFO	5/28/96
NO.	REVISION
DATE	
HIGH STEEL STRUCTURES, INC.	
GIRDER JOB STANDARDS	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO. BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO.	BR-BRF-038-1 (35) PIN 2672.00
CONTRACTOR	REED & REED, INC.
IN CHARGE	LANCO (WC)
MADE BY	SJR
CHKD. BY	DWG. DATE: 2-15-96
CONTRACT NUMBER	ME-95393-1
DRAWING NUMBER	X2

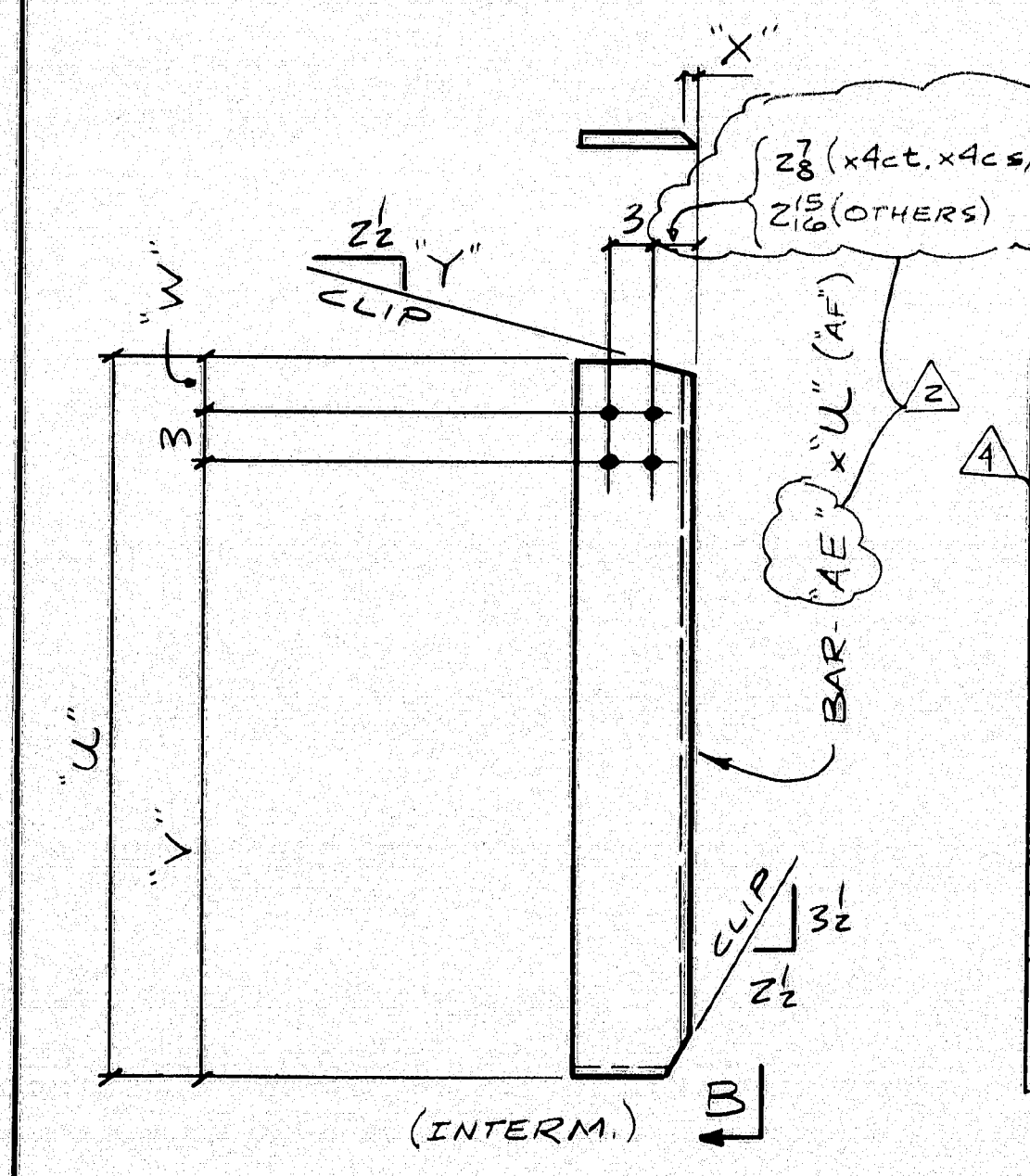
NOV 8 1996



MARK	NO.	REQ'D	"A"	"B"	"C"	"D"	"E"	"F"
x4a	ONE		1'-0 1/2	4'-8 1/2	4'-0	4'-0 1/2	1'-0	7'-3 1/2
x4b			1'-0 1/2	4'-10 1/2	4'-0	4'-0 1/2	1'-0	7'-3 1/2
x4c			8'-8	5'-0 3/8	4'-0 1/2	4'-0 1/2	1'-0	7'-3 1/2
x4d			1'-1 1/2	4'-8 1/2	4'-0	4'-0 1/2	3/2	7'-3 1/2
x4e			1'-1 1/2	4'-7 1/2	4'-0	4'-0 1/2	3/2	7'-3 1/2
x4f	ONE		8'-8	5'-0 3/8	4'-0 1/2	4'-0 1/2	3/2	7'-3 1/2

SECTION C

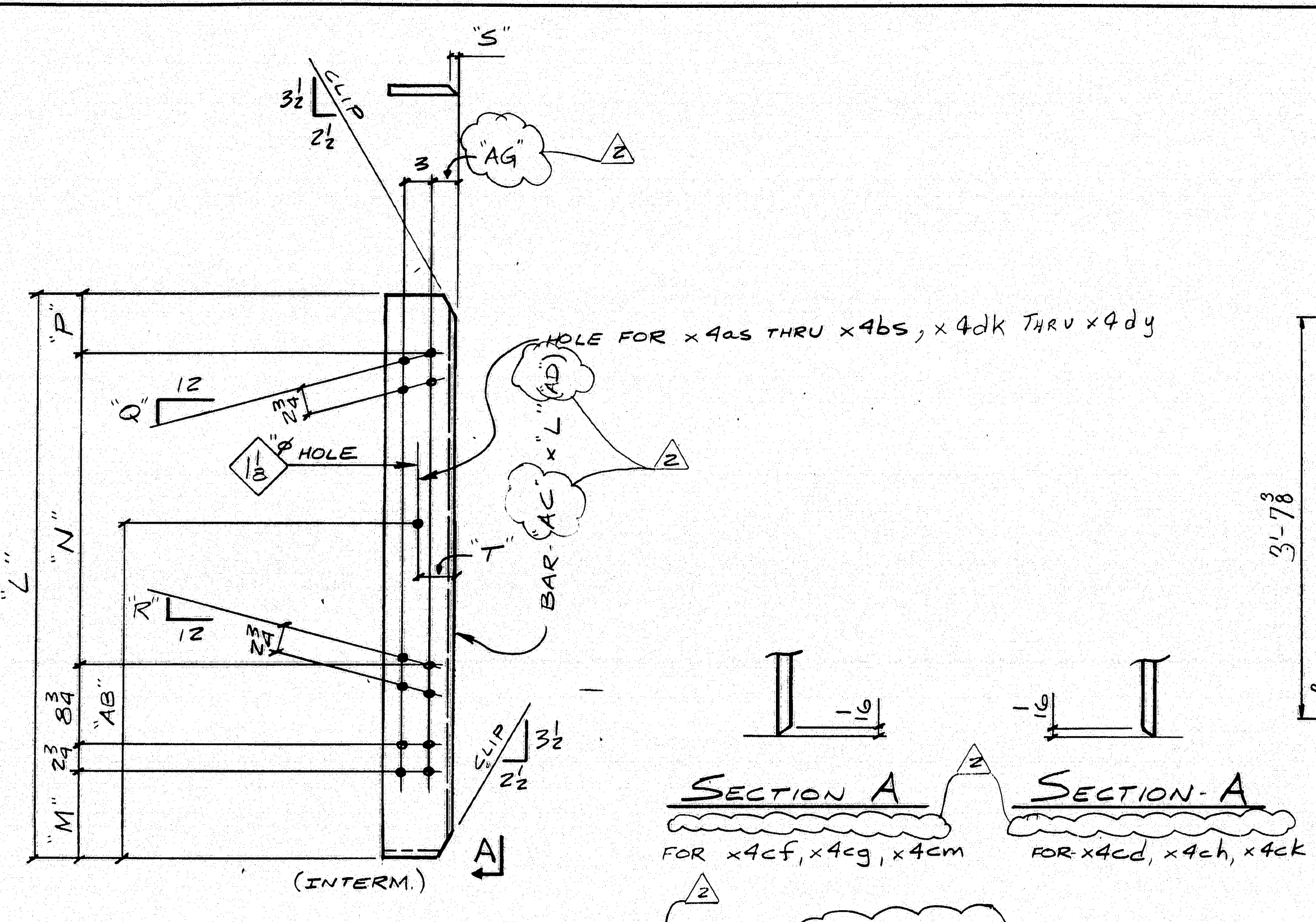
MARK	NO.	REQ'D	"G"	"H"	"J"	"K"
x4h	ONE		10'-8	5	2'-8 1/2	3'-7 3/8
x4k	ONE		6'-11 1/2	9'-8	2'-1 1/2	
x4m	22		10'-8	5		
x4n	ONE		9'-11 1/2	6'-11 1/2		
x4p	74		7'-0	8'-8		
x4s	(3)		7'-0	8'-8		
x4t	ONE		8'-11 1/2	7'-0		
x4w	4		8'-11 1/2	6'-11 1/2		
x4y	3		7'-0	8'-11 1/2		3'-7 3/8
x4aa	3		10'-8	4'-8		3'-6 3/4
x4ab	2		7'-0	7'-11 1/2		3'-6 3/4
x4ac	ONE		8'-11 1/2	6'-11 1/2		3'-6 3/4
x4af	ONE		9'-4	6'-8		3'-7 3/8
x4ag	2		7'-2	8'-8		3'-7 3/8



MARK	NO.	REQ'D	"U"	"V"	"W"	"X"	"Y"	"Z"	"AA"	"AE"	"AF"
x4cn	32		3'-7 3/8	3'-1 3/8	3	8	1 3/8	X	X	7'-2 x 3/8	7/8
x4cp	ONE		3'-6 3/4	3'-1 3/8	2 3/8	8	3/2	X	X		
x4cs	2		3'-9 1/4	3'-3 3/8	1 1/2	10	1	X	X		
x4ct	ONE		5'-3 1/2	4'-10 1/8	1 1/2	10	1	X			
x4cw	ONE		5'-3 1/2	4'-10 1/8	1 1/2	10	1	X		7'-2 x 3/8	7/8
x4cy	ONE		6'-0 1/2	5'-7 1/2	2 1/2	10	1	X		7'-2 x 1/2	7/5
x4da	ONE		6'-0 1/2	5'-7 1/2	2 1/2	10	1	X		7'-2 x 1/2	7/5
x4db	ONE		4'-4	3'-10 3/8	1 1/2	10	1	X	X	7'-2 x 3/8	7/8
x4dc	ONE		4'-4	3'-10 3/8	1 1/2	10	1	X	X	7'-2 x 3/8	7/8
x4dd	2		3'-6 1/2	3'-1 1/2	2 3/8	8	3/2	X	X	7'-2 x 3/8	7/8

SECTION B

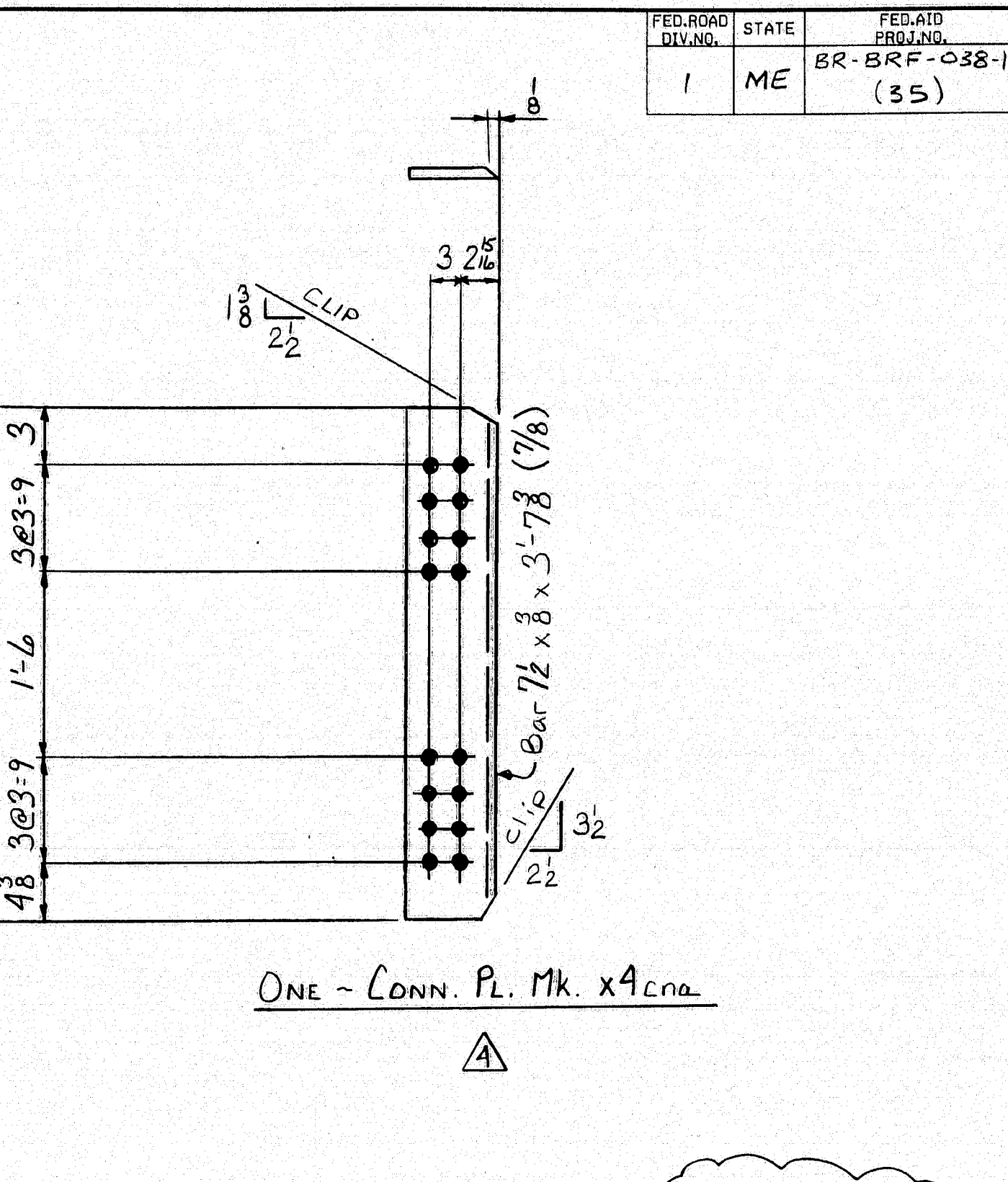
SECTION B



MARK	NO.	REQ'D	"L"	"M"	"N"	"P"	"Q"	"R"	"S"	"T"	"AB"	"AC"	"AD"	"AG"
x4ad	2		3'-11 1/2	1'-0	1'-4 1/2	6'-8	1'-0	1'-0	1'-0	X	X	7'-2 x 3/8	7/8	2'-8
x4af	2		8'-8	1'-8 1/2	1'-0	1'-0	1'-0	1'-0	1'-0	X	X			
x4ag	ONE		10'-0	1'-0 3/8	1'-0	1'-0	1'-0	1'-0	1'-0	X	X			
x4ah	ONE		3'-11 1/2	8'-8	1'-8 1/2	1'-0	1'-0	1'-0	1'-0	X	X			
x4ak	ONE		4'-10 3/8	1'-0	2'-4 3/8	2'-0	2'-0	2'-0	2'-0	X	X			
x4am	ONE		8'-8	2'-8 1/2	2'-0	2'-0	2'-0	2'-0	2'-0	X	X			
x4an	ONE		10'-0	2'-6 1/2	2'-0	2'-0	2'-0	2'-0	2'-0	X	X			
x4ap	ONE		4'-10 3/8	8'-8	2'-8 1/2	2'-0	2'-0	2'-0	2'-0	X	X	7'-2 x 3/8	7/8	2'-8
x4as	(2)		7'-3 3/8	1'-0	4'-9 1/4	4'-8	4'-8	4'-8	4'-8	3'-6	7'-2 x 1/2	7/5	2'-1 1/2	
x4at	2		8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6				
x4aw	ONE		10'-0	4'-10 1/2	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6				
x4ay	ONE		8'-8	5'-0 3/8	6'-8	4'-8	4'-8	4'-8	4'-8	3'-6	7'-2 x 1/2	7/5		
x4ba	11		11'-0	4'-9 1/2	7'-4	4'-8	4'-8	4'-8	4'-8	3'-5 1/2	7'-2 x 3/8	7/8		
x4bb	11		7'-3 3/8	8	5'-0 3/8	7'-4	4'-8	4'-8	4'-8					
x4bc	9		7'-2 3/4	11'-0	4'-9 1/2	6'-8	4'-8	4'-8	4'-8					
x4bd	9		7'-2 3/4	8	5'-0 3/8	6'-8	4'-8	4'-8	4'-8					
x4bf	6		7'-3 3/8	7'-0	4'-10 1/2	7'-4	4'-8	4'-8	4'-8					
x4bg	5		7'-3 3/8	8	5'-0 3/8	7'-4	4'-8	4'-8	4'-8					
x4bh	4		7'-2 3/4	9'-0	4'-10 1/2	6'-8	4'-8	4'-8	4'-8					
x4bk	5		7'-2 3/4	8	5'-0 3/8	7'-4	4'-8	4'-8	4'-8	3'-5 1/2	7'-2 x 3/8	7/8		
x4bm	10		7'-3 3/8	11'-0	4'-9 1/2	4'-8	4'-8	4'-8	4'-8	3'-6	7'-2 x 1/2	7/5		
x4bn	10		8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6				
x4bp	5		10'-0	4'-10 1/2	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6				
x4bs	(5)		7'-3 3/8	8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	3'-6				
x4bt	ONE		4'-10 3/8	1'-0	2'-4 3/8	2'-0	2'-0	2'-0	2'-0	X	X			
x4bw	ONE		4'-10 3/8	8'-8	2'-8 1/2	2'-0	2'-0	2'-0	2'-0	X	X	7'-2 x 1/2	7/5	
x4by	2		3'-11 1/2	11'-0	1'-5	1'-4	1'-2	1'-2	1'-2	X	X	7'-2 x 3/8	7/8	
x4ca	2		8'-8	1'-8 1/2	1'-2	1'-4	1'-2	1'-2	1'-2	X	X			
x4cb	ONE		10'-0	1'-6 3/8	1'-2	1'-2	1'-2	1'-2	1'-2	X	X			
x4cc	ONE		3'-11 1/2	8'-8	1'-8 1/2	1'-2	1'-2	1'-2	1'-2	X	X	7'-2 x 3/8	7/8	
x4cd	ONE		4'-11	11'-0	2'-4 1/2	6'-8	2'-0	2'-0	2'-0	X	X	7'-2 x 1/2	7/5	2'-1 1/2

SECTION A

SECTION A



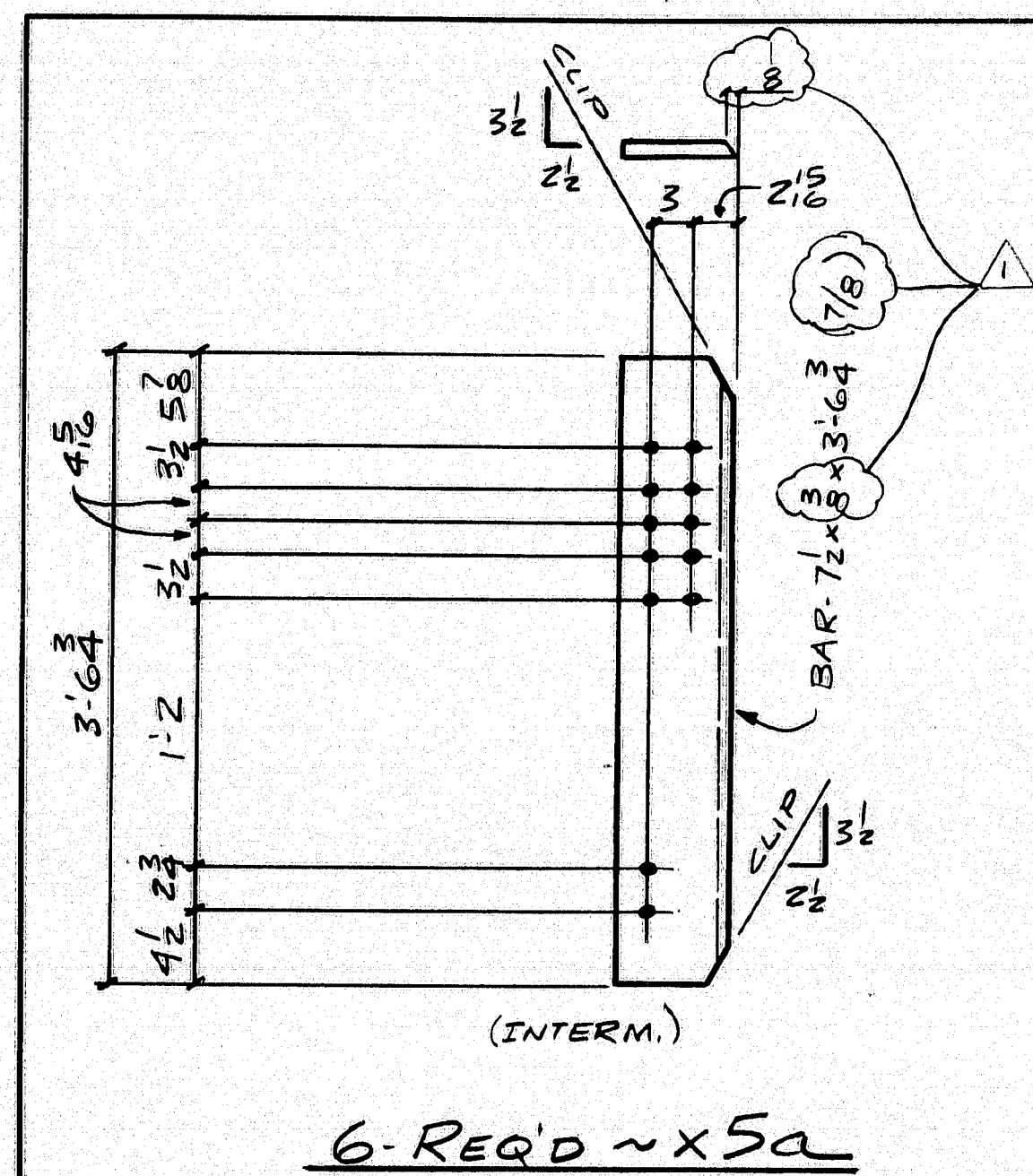
MARK	NO.	REQ'D	"L"	"M"	"N"	"P"	"Q"	"R"	"S"	"T"	"AB"	"AC"	"AD"	"AG"
x4cf	ONE		4'-11	8'-8	2'-8 1/2	6'-8	2'-0	2'-0	2'-0	X	X	7'-2 x 1/2	7/5	2'-1 1/2
x4cg	ONE		4'-11	11'-0	2'-4 1/2	6'-8	2'-0	2'-0	2'-0	X	X			
x4ch	ONE		4'-11	8'-8	2'-8 1/2	6'-8	2'-0	2'-0	2'-0	X	X			
x4ck	ONE		4'-11	10'-0	2'-6 1/2	6'-8	2'-0	2'-0	2'-0	X	X			
x4cm	ONE		4'-11	8'-8	2'-8 1/2	6'-8	2'-0	2'-0	2'-0	X	X	7'-2 x 1/2	7/5	2'-1 1/2
x4dk	2		7'-3 3/8	1'-0	4'-9 1/4	4'-8	4'-8	4'-8	4'-8	3'-6	7'-2 x 3/8	7/8	2'-8	
x4dm	2		8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	4'-8					
x4dn	ONE		10'-0	4'-10 1/2	4'-8	4'-8	4'-8	4'-8	4'-8					
x4dp	ONE		8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6			2'-8	
x4ds	2		11'-0	4'-9 1/2	4'-8	4'-8	4'-8	4'-8	4'-8	3'-6			2'-1 1/2	
x4dt	2		8'-8	5'-0 3/8	4'-8	4'-8	4'-8	4'-8	4'-8					
x4dw	ONE		10'-0	4'-10 1/2	4'-8	4'-8	4'-8	4'-8	4'-8					
x4dy	ONE		7'-3 3/8	8'-8	5'-0 3/8	6'-8	4'-8	4'-8	4'-8	3'-6	7'-2 x 3/8	7/8	2'-1 1/2	

117-26

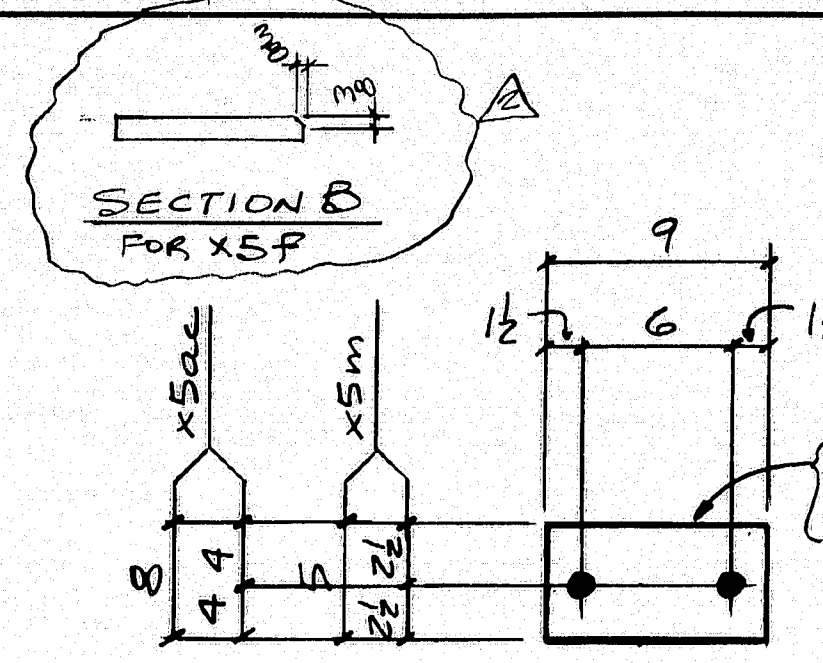
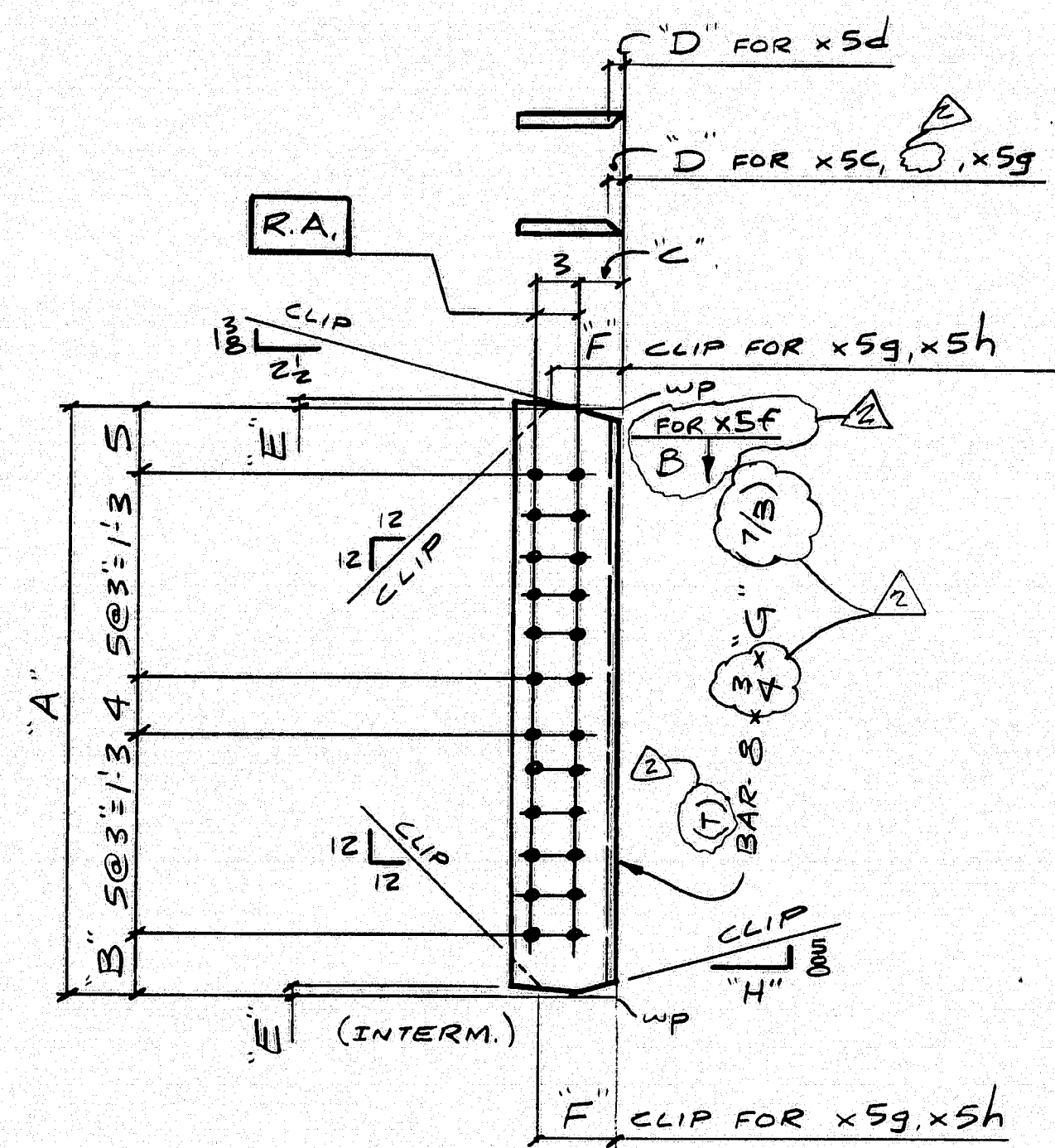
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
NO EXCEPTIONS TAKEN
REV 2.7.1993
RETURNED FOR...
DOCUMENT REVISED IN ACCORDANCE WITH SECTION 103
OF STANDARD SPECIFICATIONS
J. G. Goss

SHOP NOTE
HOLES: 15" (UN)
BOLTS: NONE
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1

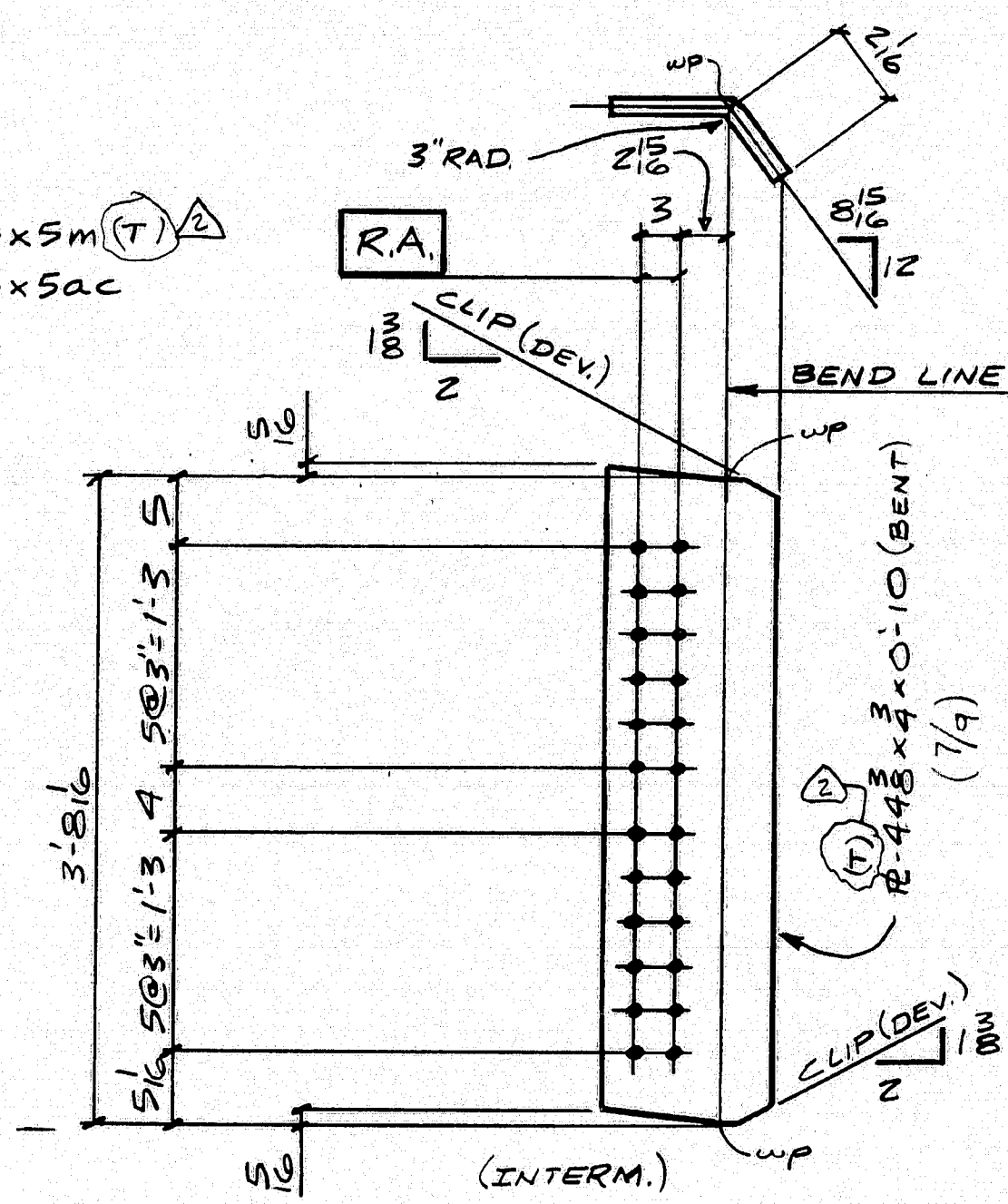
DELETE 1 x4cn; Add: x4cna: FAB. Error	10-10-96
MAT'L. CHANGE - DESIGN CHG.	6-6-96
DESIGN INFO	5/23/96
DESIGN CHG.	5-9-96
NO.	REVISION
DATE	
HIGH STEEL STRUCTURES, INC.	
GIRDER JOBS STANDARDS	
PENOBSCOT RIVER BRIDGE	
PENOBSCOT RIVER BRIDGE STA. 18+70	
PENOBSCOT CO. BANGOR TO BREWER	
STATE OF MAINE	
DEPT. OF TRANSPORTATION	
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR REED & REED, INC.	
IN CHARGE LARCO (WC)	BY: SJR
DATE: 2/16/96	DWG. DATE: 2/16/96
CONTRACT NUMBER: ME-95393-1	DRAWING NUMBER: X4



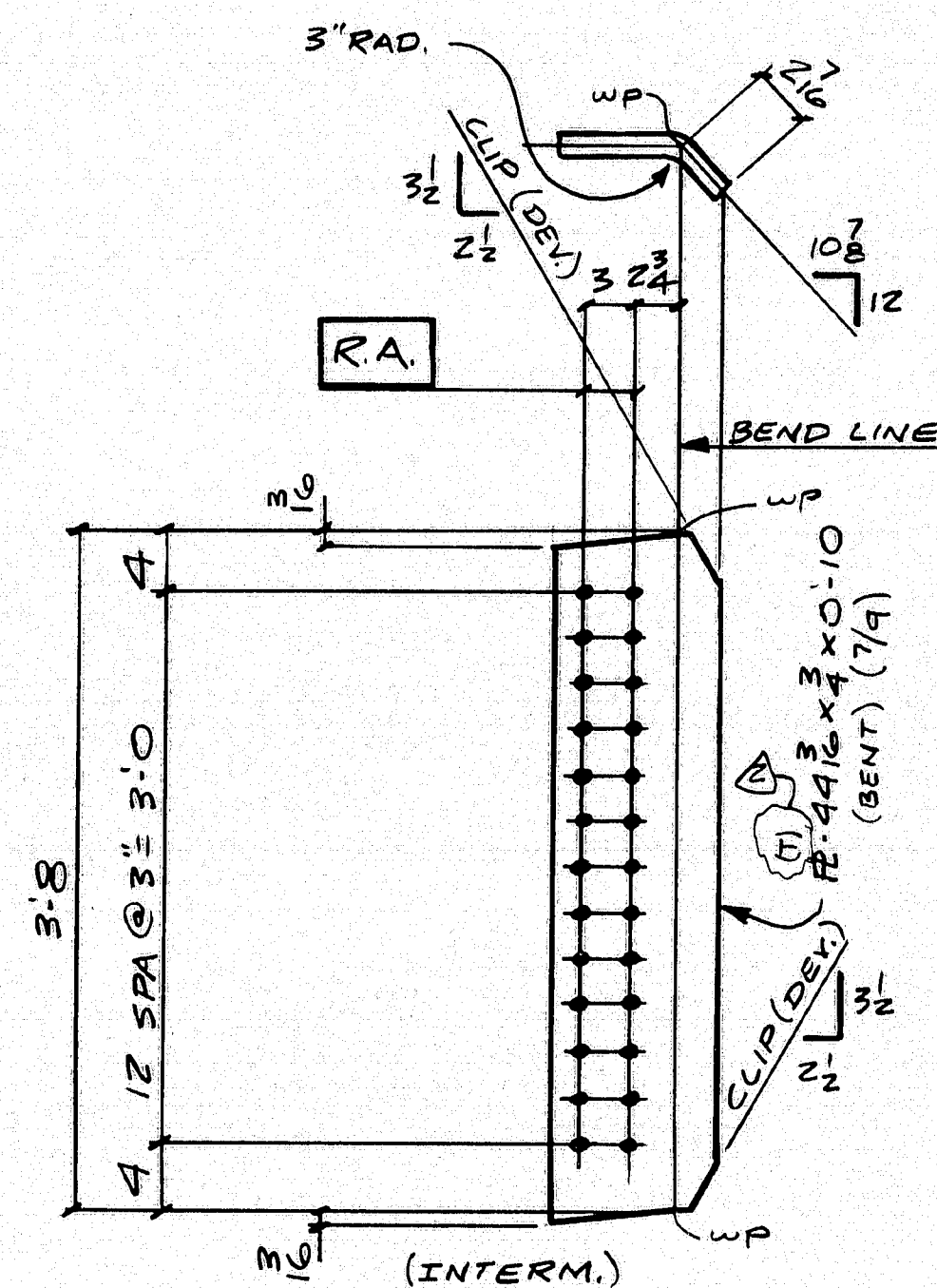
6-REQ'D ~ X5a



453-REQ'D ~ X5m
40-REQ'D ~ X5ac



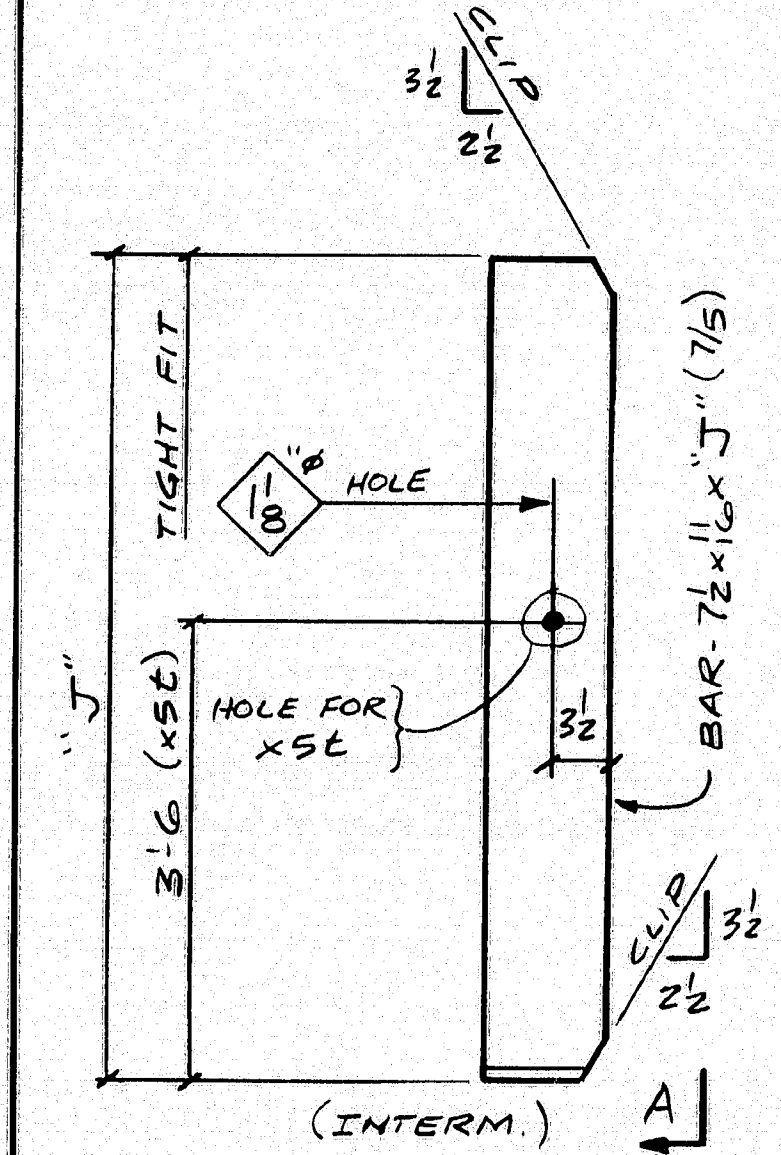
ONE-REQ'D ~ X5n



ONE-REQ'D ~ X5P

MARK	NO. REQ'D	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
x5b	2	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5c	ONE	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5d	ONE	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5f	ONE	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5g	ONE	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5h	3	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2
x5k	ONE	3'-7 1/2	4 1/2	3 1/2	0	0	X	3'-7 1/2	2 1/2

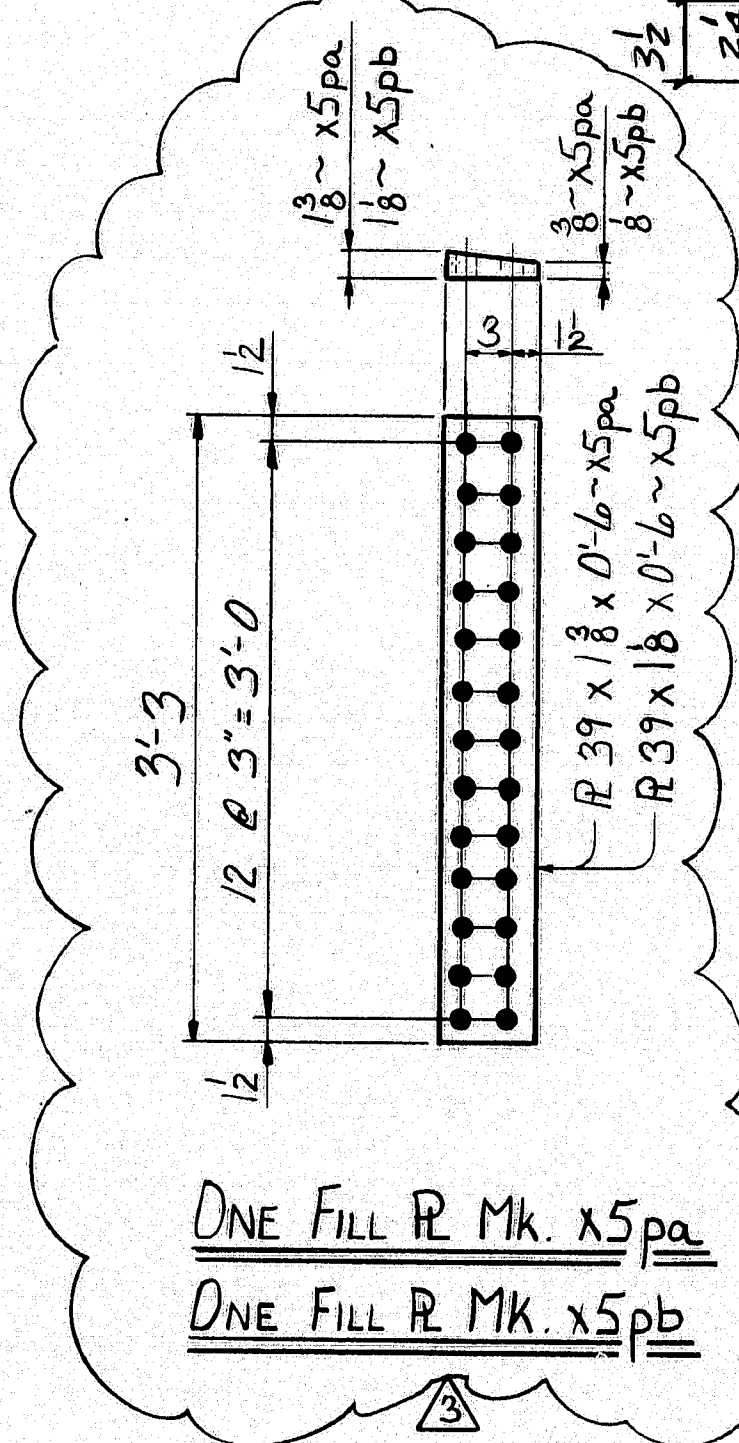
96-REQ'D ~ X5y



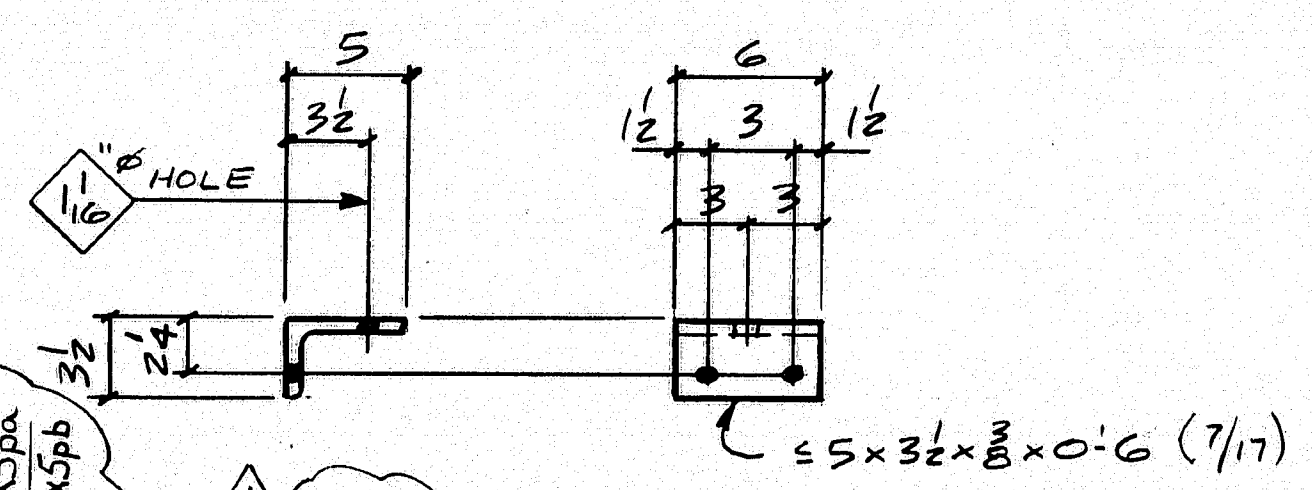
MARK	NO. REQ'D	"J"
x5s	4	6'-1 3/8
x5t	30	7'-4
x5w	2	6'-1 9/16
x5af	ONE	6'-1 3/8
x5ad	ONE	6'-1 1/2

SECTION-A
FOR X5w, X5af

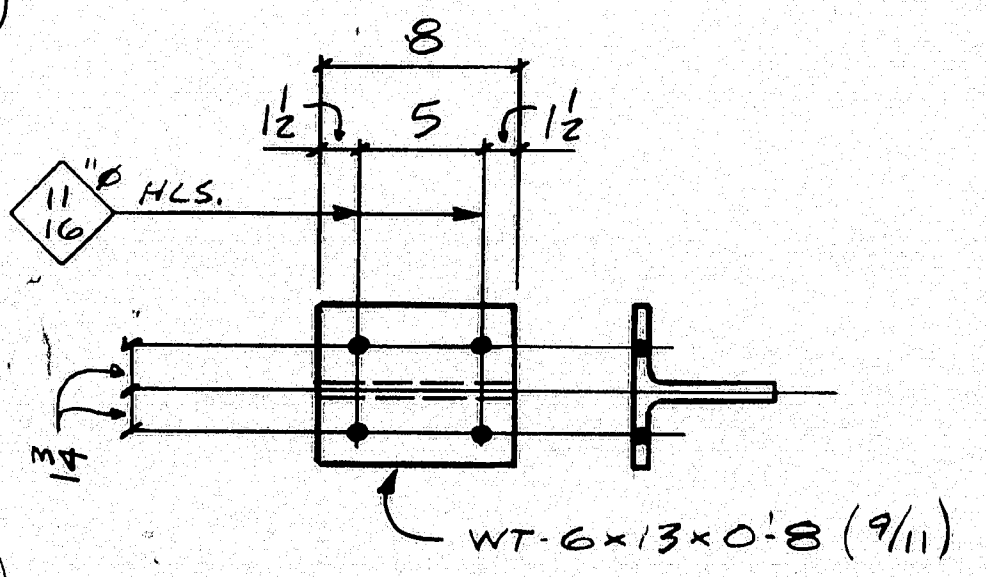
SECTION-A
FOR X5s, X5ad



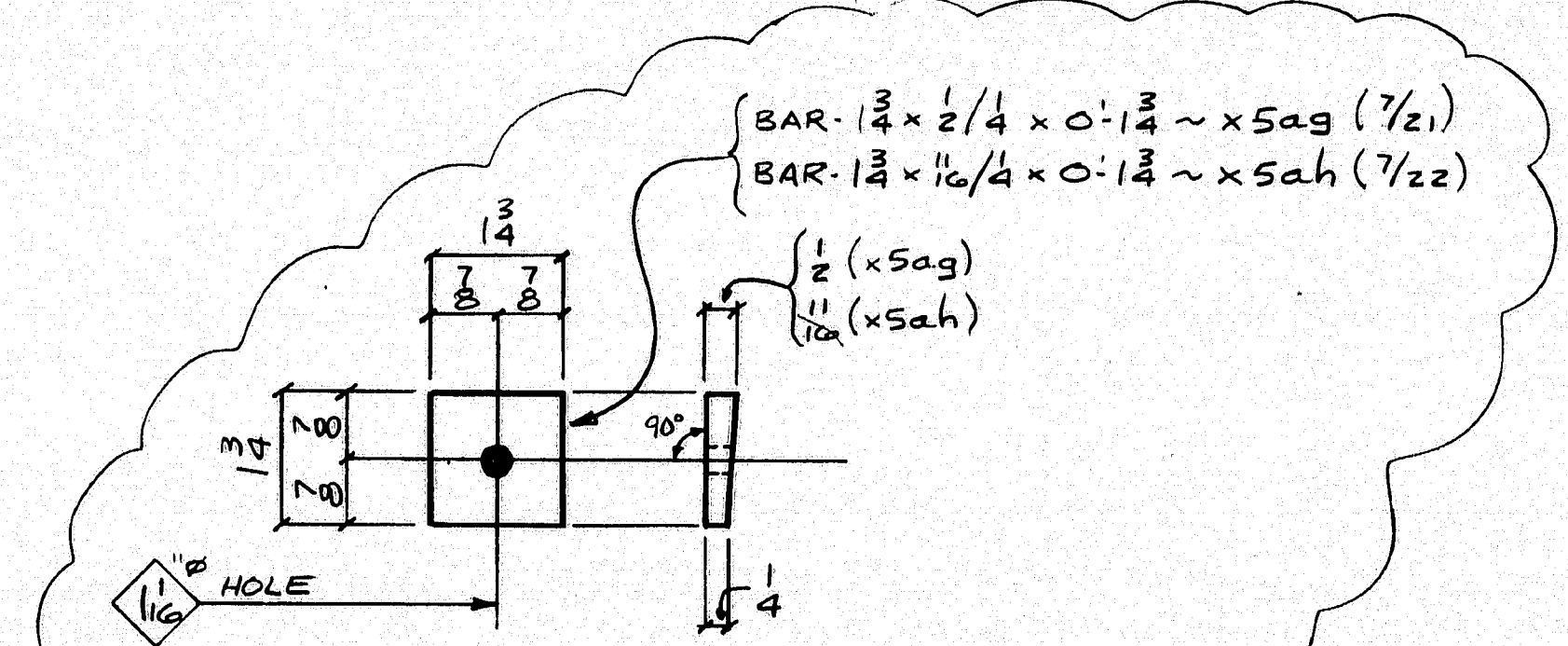
ONE FILL R. MK. X5pa
ONE FILL R. MK. X5pb



147 REQ'D ~ X5aa



38 REQ'D ~ X5ab



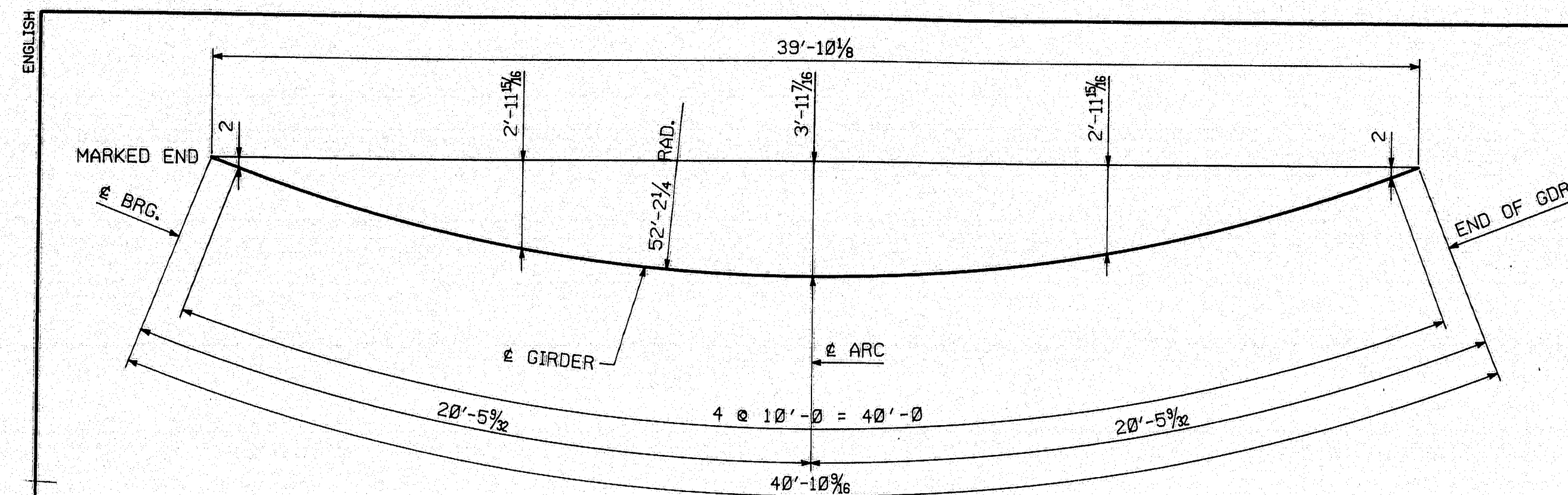
16-REQ'D ~ X5ag
16-REQ'D ~ X5ah

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
D. G. [Signature]
DATE

117-27

③	ADDED FILL R. DUE TO FAB. ERROR	8-12-96
③	APPL. CHG.	6-4-96
③	DESIGN INFO	5/23/96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC.		
		
1905 Old Philadelphia Pike Lancaster, PA 17602-0008 Phone 717/299-5235		
A Division of High Industries, Inc.		
GIRDER JOBS STANDARDS		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO. BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT		
OR REF. NO. BR-BRF-038-1 (35) PIN 2672.00		
CONTRACTOR REED & REED INC.		
IN CHARGE LAMCO (WC) MADE BY SJR CHK. BY DWG. DATE 2-16-96		
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER X5		

SHOP NOTE
HOLES: 15/16 (UN)
BOLTS: NONE
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1



HORIZONTAL CURVE DIAGRAM - G11J

FED. AID DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

NOTES:

ALL DIMENSIONS APPLY AT THE TOP OF WEB PLATE OF THE GIRDERS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS LISTED

NOV 27 1995

☐ RETURNED FOR CORRECTION ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

[Signature]

117-28

△		
△		
△		
NO.	REVISION	DATE

1770 Hampden Road
Lancaster, PA 17605-0008
Phone 717/299-5211

HIGH STEEL STRUCTURES, INC. *HS*
A Division of High Industries, Inc.

HORIZONTAL CURVE DIAGRAMS
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00

CONTRACTOR REED & REED, INC.

IN CHARGE: Lanco (WC) MADE BY: ADG CHK'D BY: DWG DATE: 2-14-96

CONTRACT NUMBER ME-95393-1 DRAWING NUMBER HC1

CODE: 30

NOV 2 5 1996

DIAPHRAGM									
D	0	1	2	3	4	5	6	7	8
0	X	2	3	3	3	3	3	4	4
1	4	5	5	5	5	5	5	5	5
2	5	5	5	10	10				
3									
4									
5									
6									
7									
8									
9									

CROSS FRAMES									
CF	0	1	2	3	4	5	6	7	8
0	X	6	6	6	6	6	6	7	8
1	8	8	9	9	9	9	9	9	9
2									
3									
4									
5									
6									
7									
8									
9									

DIAPHRAGM									
M	0	1	2	3	4	5	6	7	8
0	X	11	11	11	11	11	11	14	11
1	11								
2									
3									
4									
5									
6									
7									
8									
9									

CROSS FRAMES									
A	0	1	2	3	4	5	6	7	8
0	X	12	12	12	12	12	12	12	12
1	12	12	12	12	12	12	12	12	12
2	12	12	12	12	12	12	12	12	12
3	12	12							
4									
5									
6									
7									
8									
9									

CROSS FRAMES									
B	0	1	2	3	4	5	6	7	8
0	X	13	13	13	13	13	13	13	13
1	13	13	13	13	13	13	13	13	13
2	13	13	13	13	13	13	13	13	13
3	13								
4									
5									
6									
7									
8									
9									

CROSS FRAMES									
C	0	1	2	3	4	5	6	7	8
0	X	14	14	14	14				
1									
2									
3									
4									
5									
6									
7									
8									
9									

GIRDERS																					
G	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	15	20	30	35	40	45	50	55	60												
2	16	21	31	36	41	46	51	56	61												
3	17	22	32	37	42	47	52	57	62												
4	18	23	33	38	43	48	53	58	63												
5	19	24	34	39	44	49	54	59	64												
6										70											
7										72											
8										73											
9										74											
10										75											
11										76											
12										77											
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
41																					
42																					

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

	0	1	2	3	4	5	6	7	8	9
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										

ENGLISH

1
2
3
4
5
6
7

68

GENERAL SHOP NOTES

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
1	ME	BR-BRF-038-1 (35)

SPECIFICATIONS:
MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, HIGHWAYS AND BRIDGES (REVISION OF APRIL 1995) AND SUPPLEMENTALS THERETO, EXCEPT AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS.
AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (A.A.S.H.T.O.) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1992 EDITION.

MATERIAL:
UNLESS NOTED OTHERWISE, ALL STEEL TO BE ASTM A709 GRADE 50W.
(T) INDICATES CHARPY V-NOTCH TESTING REQUIRED.
(RCT) SHOP BOLTS TO BE HIGH STRENGTH ASTM A325 TYPE 3 (FRICTION) (RCT) WITH HEAVY HEX HEAD AND ASTM A563 GRADE DH3 HEAVY HEX NUT, WITH ONE ASTM F436 WEATHERING WASHER PER BOLT. (RCT) INDICATES ROTATIONAL CAPACITY TESTED. DO NOT MIX NUTS, BOLTS AND WASHERS FROM DIFFERENT CONTAINERS UNLESS ALL NUTS, BOLTS AND WASHERS HAVE THE SAME LOT NUMBER.

FASTENER ASSEMBLY

SHOP PROCEDURE:
ALL FLANGE AND WEB PLATE SPLICES TO BE MADE BEFORE FINAL FITTING AND WELDING INTO GIRDER.
CAMBER TOLERANCE: -0" TO +3/4"
ALL RE-ENTRANT CUTS TO HAVE 1" MIN. RADIUS.

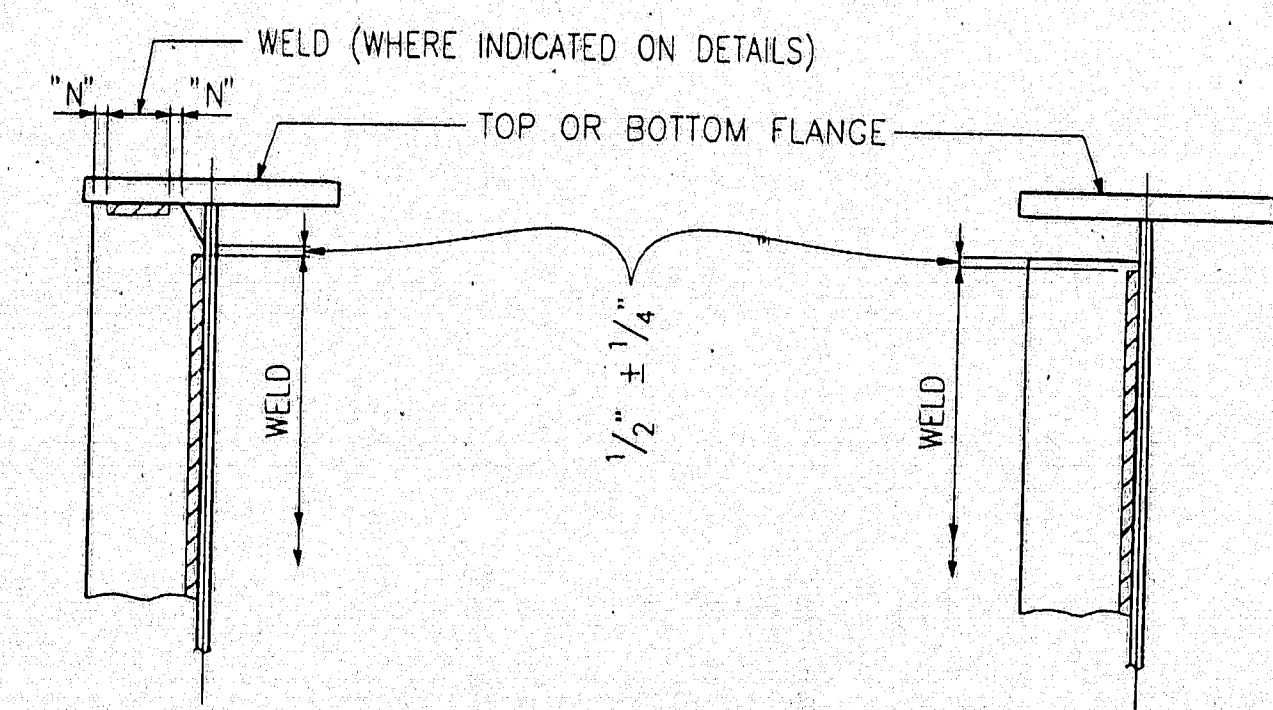
NO DIE STAMPING ALLOWED ON ANY PART OF MAIN STRESS CARRYING MEMBERS.
BEARING AREA, AS NOTED ON GIRDER DETAILS, INDICATES AREA THAT MUST BE FLAT AND TRUE TO RECEIVE SOLE PLATE.

BRG. STIFF. & CONN. PL. TO X5m X 5ALC TO BE WELDED AFTER X5m X 5ALC ARE BOLTED TO GIRDER FLG.

ALL BOLTS IN TOP & BOTTOM FLANGE TO BE INSTALLED HEAD DOWN.

INSPECTION:
SHOP INSPECTION BY E.L. CONWELL CO.

WELDING:
ALL WELDING IS TO CONFORM TO AWS D1.5 (95) NOTATIONS W1X, W2X, ETC. FOLLOWING WELDING SYMBOLS ON DETAIL DRAWINGS, REFER TO THE CORRESPONDING WELDING PROCEDURE TO BE USED FOR THAT JOINT.
FOR WELDING STIFFENERS AND CONNECTION PLATES TO GIRDERS, SEE TYPICAL WELDING DETAIL.



TYP. WELDING DETAIL

NON-DESTRUCTIVE TESTING:
FLANGE AND WEB PLATE SPLICES TO BE RADIOGRAPHICALLY TESTED, AS CALLED FOR ON DRAWINGS PREFIXED 'FS' AND 'WC', BY H.S.S.I.

MAGNETIC PARTICLE INSPECTION FOR FILLET WELDS AND GROOVE WELDS NOT TESTED BY ANOTHER METHOD, IN MAIN MEMBERS AND BEARINGS, TO BE TESTED ON 10% OF WELDS LONGER THAN 10'-0" AND 1'-0" OF WELDS SHORTER THAN 10'-0".
ALL TESTING TO BE DONE UNDER THE SUPERVISION OF THE MAINE DEPARTMENT OF TRANSPORTATION INSPECTION PERSONNEL.

BUTT WELDED FLANGE PLATES TO BE ULTRASONICALLY TESTED WITHIN 1'-0" OF SPICE PRIOR TO WELDING.

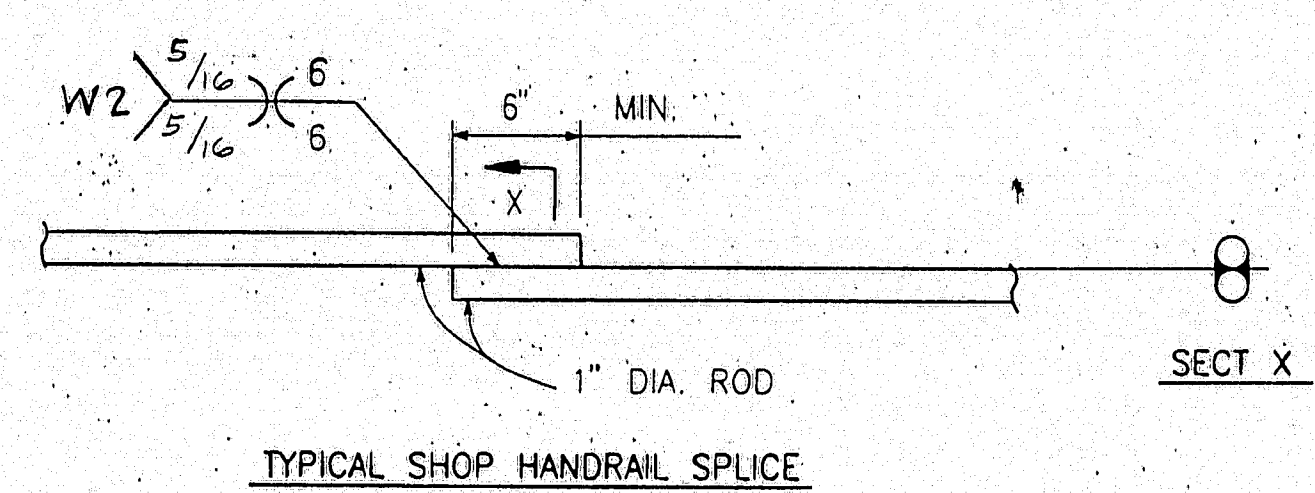
(RA) NOTE:
HOLES MARKED (RA) ON DETAIL DRAWINGS TO BE SUB-PUNCHED/SUB-DRILLED 1/4" UNDER SIZE AND REAMED TO FULL SIZE OR DRILLED FROM SOLID WITH CONNECTING PARTS ASSEMBLED AND MATCH MARKED.

CLEANING:
ALL STEEL TO BE BLAST CLEANED TO SSPC-SP6 (COMMERCIAL).
FLANGE TO WEB WELD AND BEARING STIFFENER TO WEB WELD AREAS TO HAVE MILL SCALE REMOVED BEFORE FABRICATION.

PAINTING:
NO PAINT
IN THE FABRICATION SHOP, NO DIE STAMPING SHALL BE USED FOR ANY PURPOSE ON ROLLED SHAPES OR PLATES TO BE USED AS MAIN STRESS CARRYING MEMBERS. IDENTIFICATION MARKS, EITHER REQUIRED BY THESE SPECIFICATIONS OR BY THE SHOP, SHALL BE STENCILED OR PAINTED.

DRAWING REFERENCE:
FLANGE SPLICES -PREFIXED 'FS'
WEB CAMBERS -PREFIXED 'WC'
GIRDER JOB STANDARDS -PREFIXED 'X'
HORIZONTAL CURVE -PREFIXED 'HC'
SHOP ASSEMBLY -PREFIXED 'SA'
WELDING PROCEDURE -DWG. 'WP1'

MINIMUM BENDING RADIUS FOR BENT PLATES	
WHEN THICKNESS t =	RADIUS INSIDE OF BENT PLATE
UP TO 1"	2 1/2 t
OVER 1" TO 1 1/2"	3 t

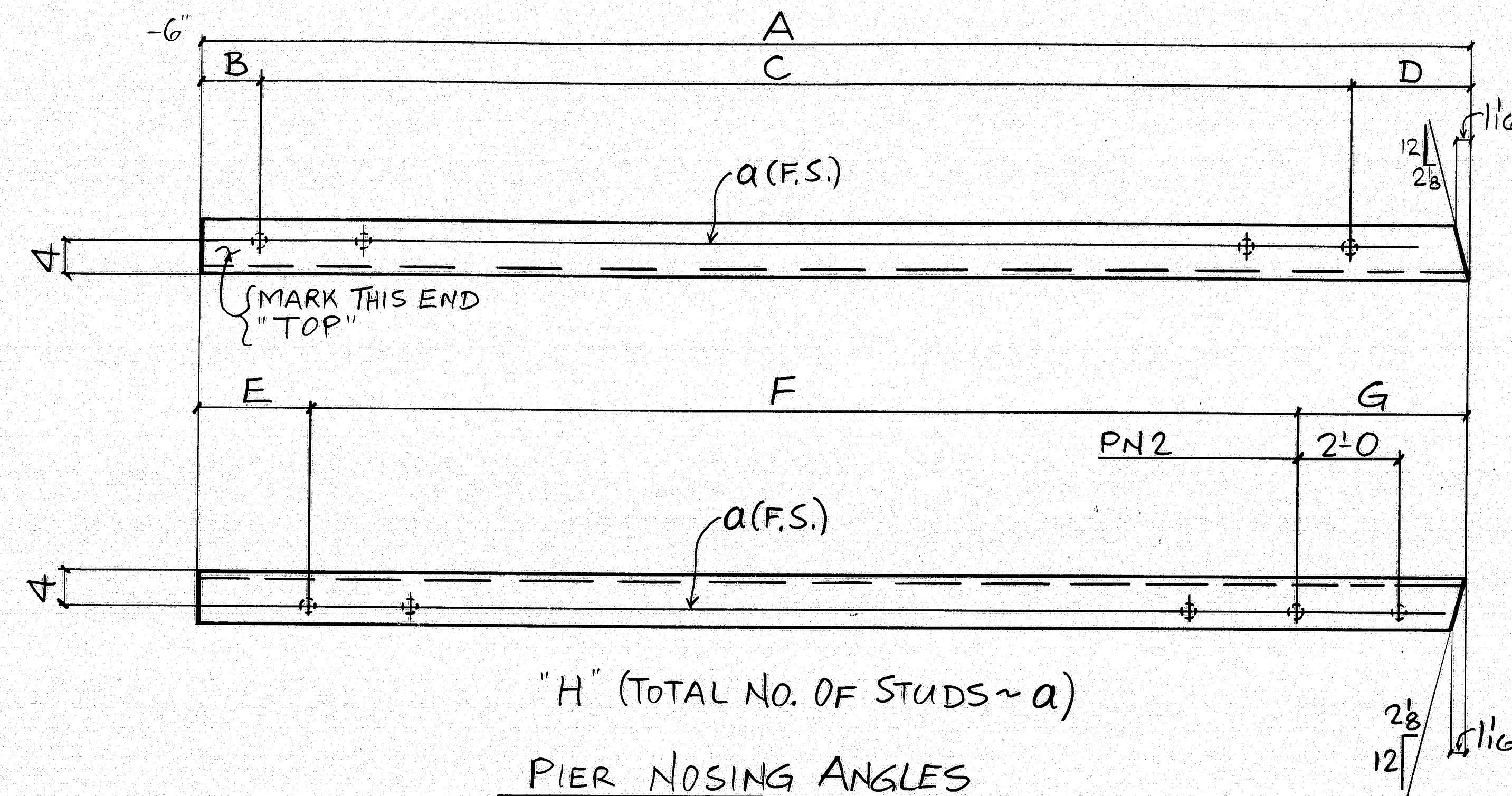


TYPICAL SHOP HANDRAIL SPLICE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1995
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 103 OF STANDARD SPECIFICATIONS
D. Glavin
117-36

△		
△		
△	APPL. CHG.	4.9.96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC. 1710 Hempstead Road Lancaster, PA 17605-0008 Phone 717/259-5211 A Division of High Industries, Inc.		
GENERAL SHOP NOTES		
PENOBSCOT RIVER BRIDGE		
PENOBSCOT RIVER BRIDGE STA. 18+70		
PENOBSCOT CO., BANGOR TO BREWER		
STATE OF MAINE		
DEPT. OF TRANSPORTATION		
STATE CONTRACT OR REF. NO.	BR-BRF-038-1(35) PIN 2672.00	
CONTRACTOR	REED & REED, INC.	
IN CHARGE	LANCO (WC)	MADE BY: ADG CHK'D BY: RF DATE: 2-5-96
CONTRACT NUMBER	ME-95393-1	DRAWING NUMBER N1

NOV 2 5 1996



MARK	LOCATION	A	B	C	D	E	F	G	H		
PN1	PIER 2	33'-0"	6	16 @ 2'-0" = 32'-0"	6	1'-6"	15 @ 2'-0" = 30'-0"	1'-6"	33		
PN2	PIER 3	38'-1 7/8"	6	18 @ 2'-0" = 36'-0"	1'-7 7/8"	1'-6"	17 @ 2'-0" = 34'-0"	2'-7 7/8"	38		
PN3	PIER 4	34'-6 9/16"	3	17 @ 2'-0" = 34'-0"	3'-9/16"	1'-3"	16 @ 2'-0" = 32'-0"	1'-3 9/16"	35		
PN4	PIER 5	16'-6 8/8"	2 1/2	8 @ 2'-0" = 16'-0"	3'-5/8"	1'-2 1/2"	7 @ 2'-0" = 14'-0"	1'-3 5/8"	17		

SHOP NOTE
 HOLES: NONE
 BOLTS: NONE
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1

FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.	
1		ME	BR-BRF-038- 1(35)	

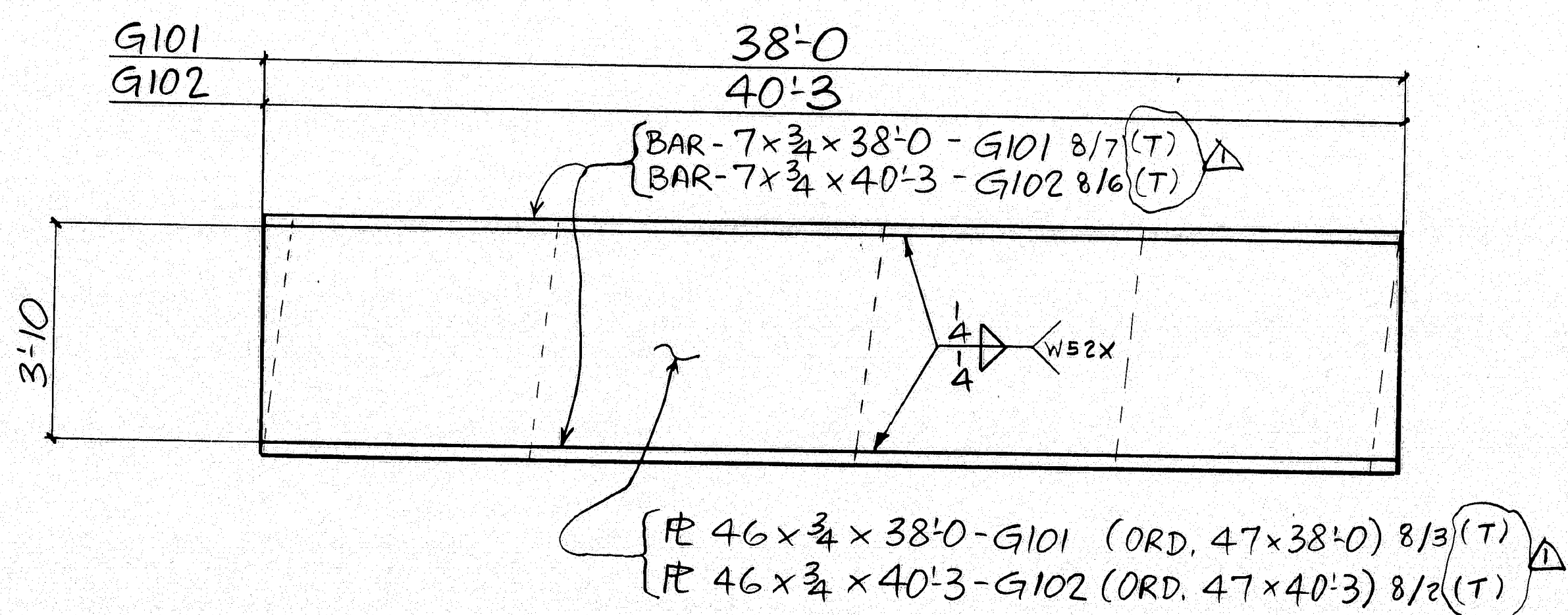
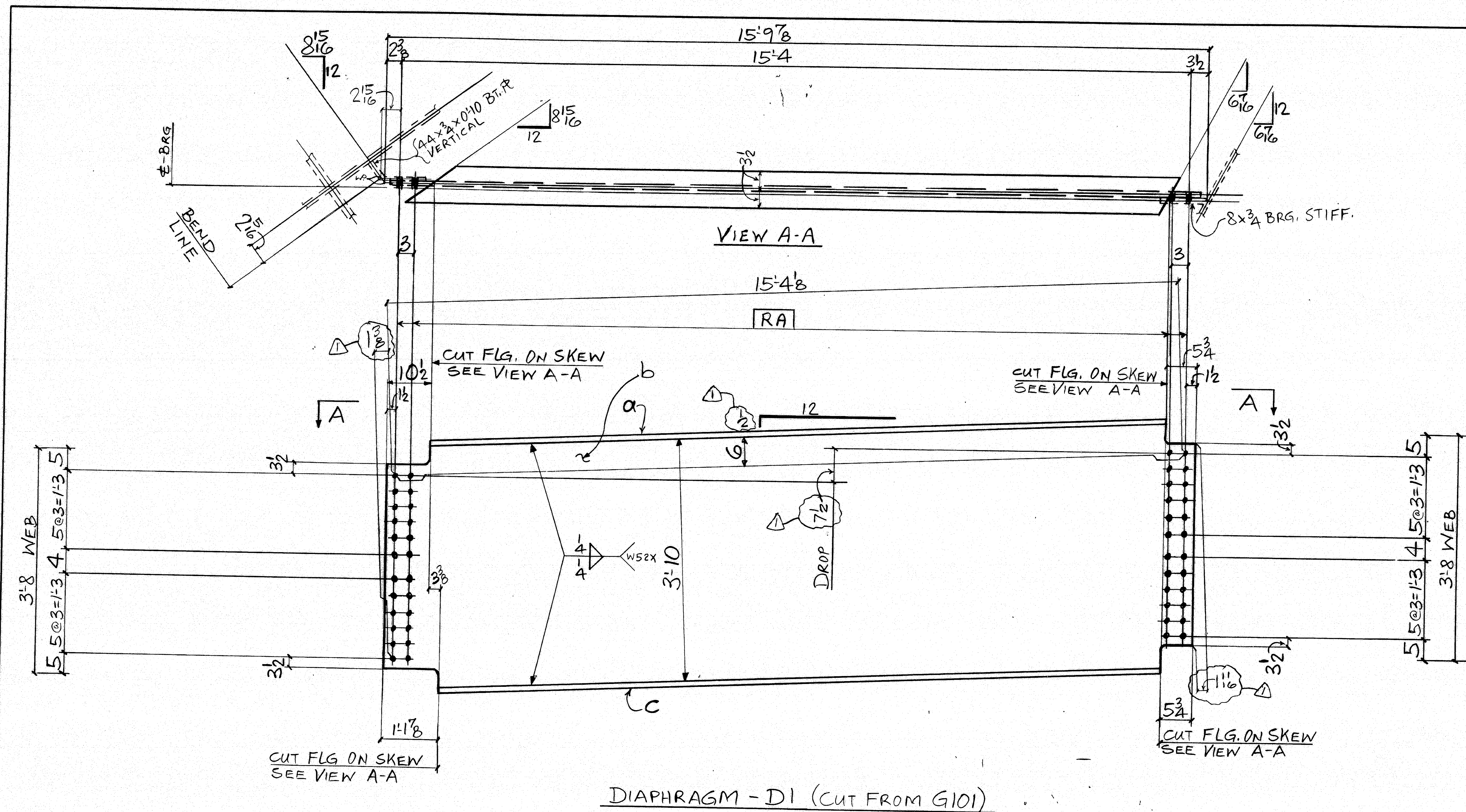
BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM NO. & QTY.
1	PN1	6x6x1/2	33'0	A588	10 1/2 661
1	PN2	6x6x1/2	38'1 7/8		10 1/2 764
1	PN3	6x6x1/2	34'6 9/16		10 1/2 692
1	PN4	6x6x1/2	16'6 8/8		10 1/2 331

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 S. G. L. F.

177-31	
DETAIL ERROR	2-19-96
NO.	REVISION
	DATE

HIGH STEEL STRUCTURES, INC.
 1770 Hempstead Road
 Lancaster, PA 17605-0008
 Phone 717/295-5211
 A Division of High Industries, Inc.

PIER NOSING ANGLES
 PENOBSCOT RIVER BRIDGE
 PENOBSCOT RIVER BRIDGE STA. 18+70
 PENOBSCOT CO. BANGOR TO BREWER
 STATE OF MAINE
 DEPT. OF TRANSPORTATION
 STATE CONTRACT BR-BRF-038-1(35) PIN 2672.00
 OR REF. NO.
 CONTRACTOR REED & REED, INC.
 IN CHARGE L. L. ANCO (W.C.) MADE BY: RDG. DATE: 2-5-96
 CONTRACT ME-95393-1 DRAWING NUMBER 1 OF 77
 NOV 25 1996



ONE GIRDER MK. G101 - CUT 3 DIAPHRAGMS
ONE GIRDER MK. G102 - CUT 4 DIAPHRAGMS

SHOP NOTE
HOLES: 15" Ø
BOLTS: NONE
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
1	D1	DIAPHRAGM			2366
1	a	BAR 7x3/4	14 9/16		
1	b	PL 46x3/4	15 8/16		
1	c	BAR 7x3/4	14 6/16		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

117-32

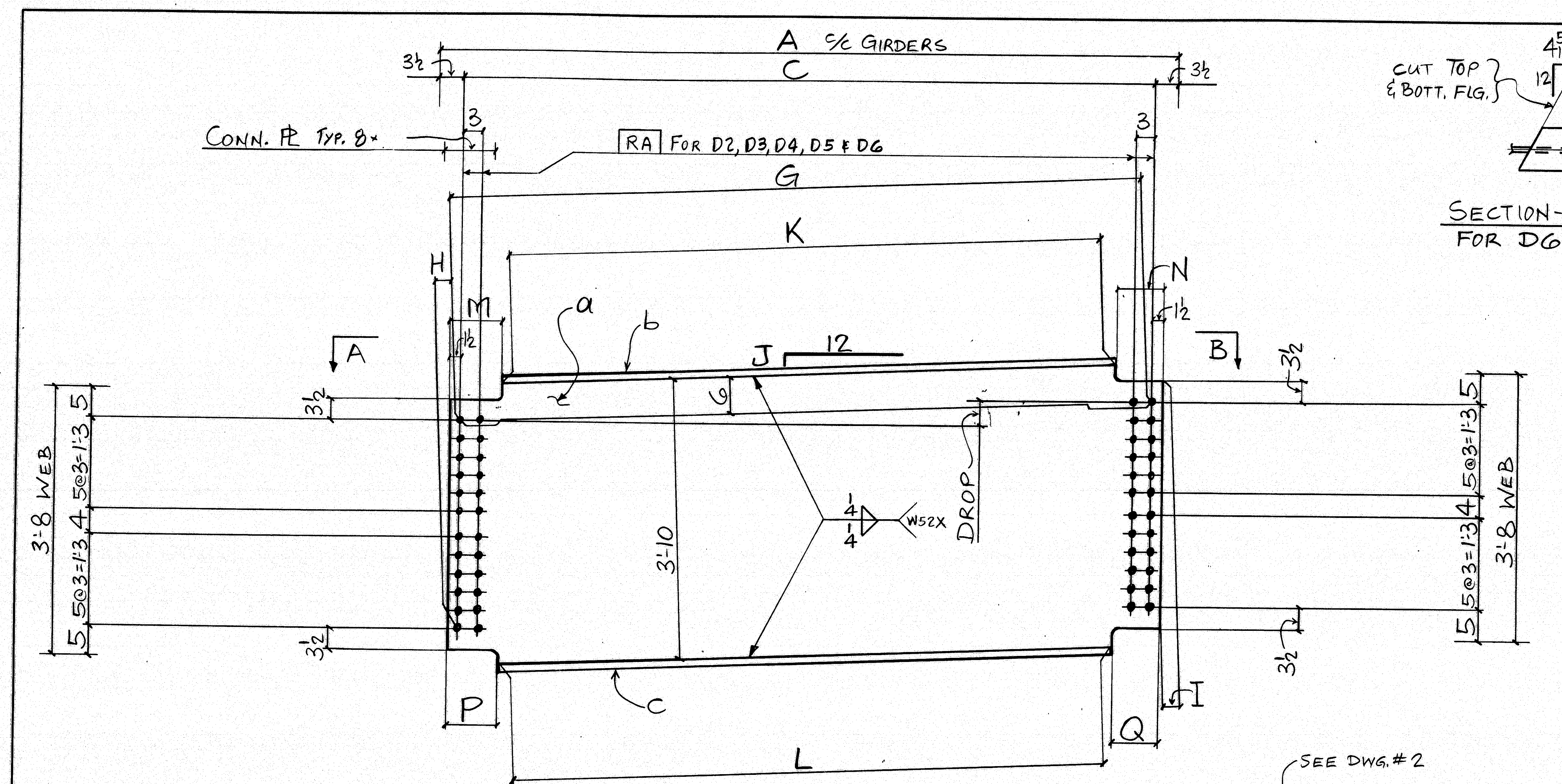
DESIGN CHG. DATE 4-23-96

NO. REVISION DATE

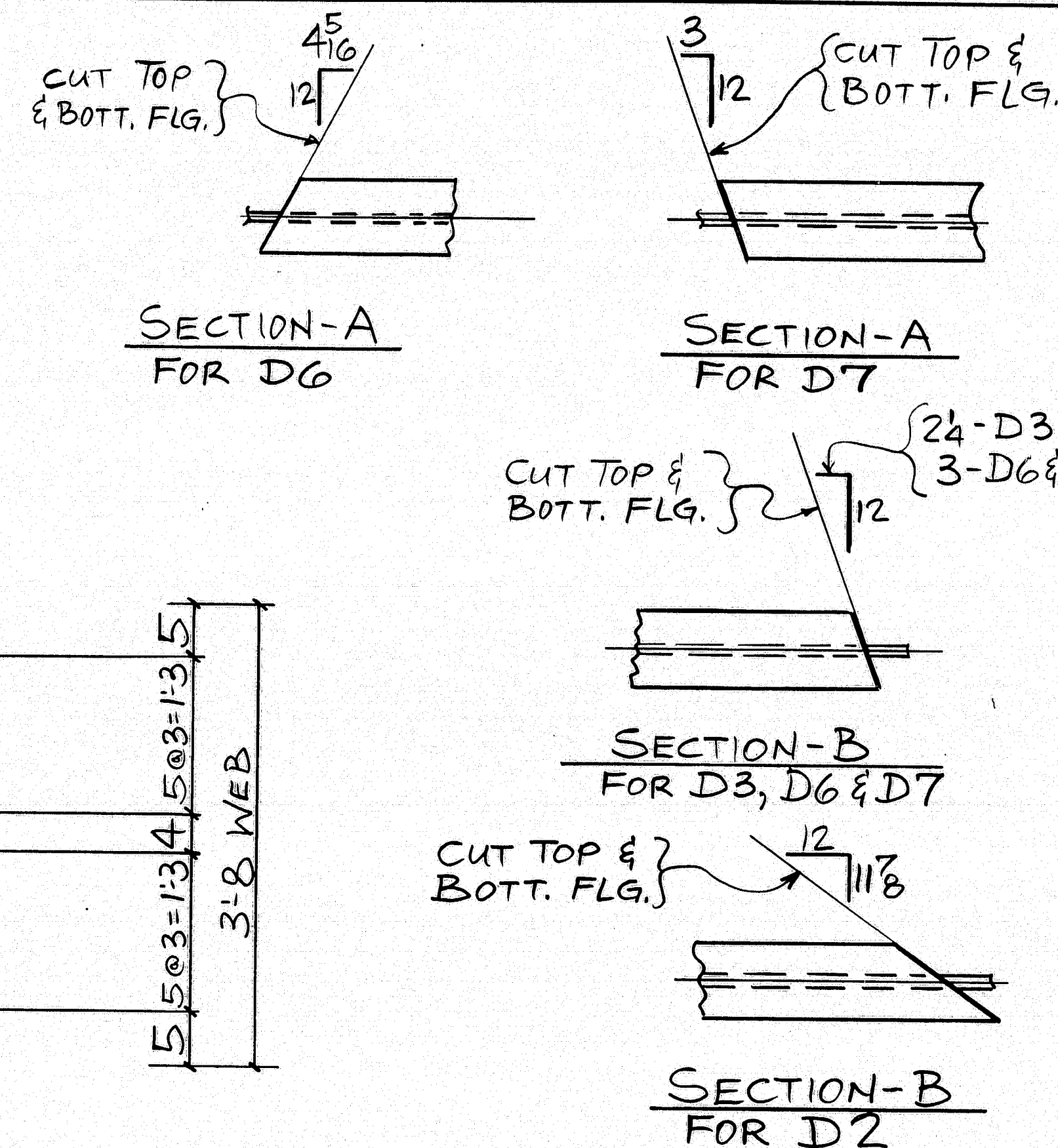
HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road
Lancaster, PA 17605-0005
Phone 717/299-5211

DIAPHRAGM
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00
CONTRACTOR REED & REED, INC.
IN CHARGE LANC(WC) MADE BY RDD CHVD. BY RF DATE 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 2 OF 77

NOV 25 1996



MARK	DROP	A	C	G	H	I	J	K	L	M	N	P	Q	OUT FROM
D2	1'-1 1/8"	11'-1 1/8"	10'-6 3/8"	10'-6 3/8"	4	5/16	1/16	9'-0 3/8"	8'-5 3/8"	5	1'-4 1/2"	5	1'-11 1/2"	G102
D3	1'-4"	10'-6 3/8"	9'-11 3/8"	9'-11 3/8"	3	7/16	1/8	9'-1 3/8"	8'-11 3/8"	8	5	10	5	
D4	1'-8"	9'-6 3/8"	8'-11 3/8"	8'-11 3/8"	2	5/16	1/16	8'-1 3/8"	7'-11 3/8"	8	5	10	5	
D5	1'-10"	9'-6 3/8"	8'-11 3/8"	8'-11 3/8"	9	5/16	1/16	8'-1 3/8"	7'-11 3/8"	8	5	10	5	G102
D6	5'-6"	8'-8 1/2"	8'-1 1/2"	8'-1 1/2"	11 3/8	2 1/2	5/8	6'-8 5/8"	6'-1 3/8"	8 1/2	11 1/2	10 3/4	1'-4 1/2"	G101
D7	5'-10"	13'-9 1/16"	13'-2 1/16"	13'-3"	11/16	1 5/16	3/8	11'-10 1/4"	11'-1"	11 1/2	8 1/4	1'-4 1/2"	1'-0 1/2"	G101



BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
1	D2	DIAPHRAGM			1598
1	D3				1523
1	D4				1371
1	D5				1379
1	D6				1241
1	D7				2013
1	a	46x3/4	10'10 1/2"	D2	
1	a	46x3/4	10'2 1/8"	D3	
1	a	46x3/4	9'3"	D4	
1	a	46x3/4	9'3 1/2"	D5	
1	a	46x3/4	8'6 1/8"	D6	
1	a	46x3/4	13'7 1/8"	D7	
1	b	BAR 7x3/4	9'3 1/8"	D2	
1	b	7x3/4	9'2 1/8"	D3	
1	b	7x3/4	8'1 3/8"	D4	
1	b	7x3/4	8'1 7/8"	D5	
1	b	7x3/4	6'10 3/8"	D6	
1	b	7x3/4	12'0"	D7	
1	c	BAR 7x3/4	8'8 1/8"	D2	
1	c	7x3/4	9'0 1/8"	D3	
1	c	7x3/4	7'11 3/8"	D4	
1	c	7x3/4	7'11 7/8"	D5	
1	c	7x3/4	6'3 1/2"	D6	
1	c	7x3/4	11'2 3/4"	D7	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

NAME TITLE

SHOP NOTE
HOLES: 15" Ø
BOLTS: NONE
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1

117-33

DESIGN CHG. 5-9-96

NO. REVISION DATE

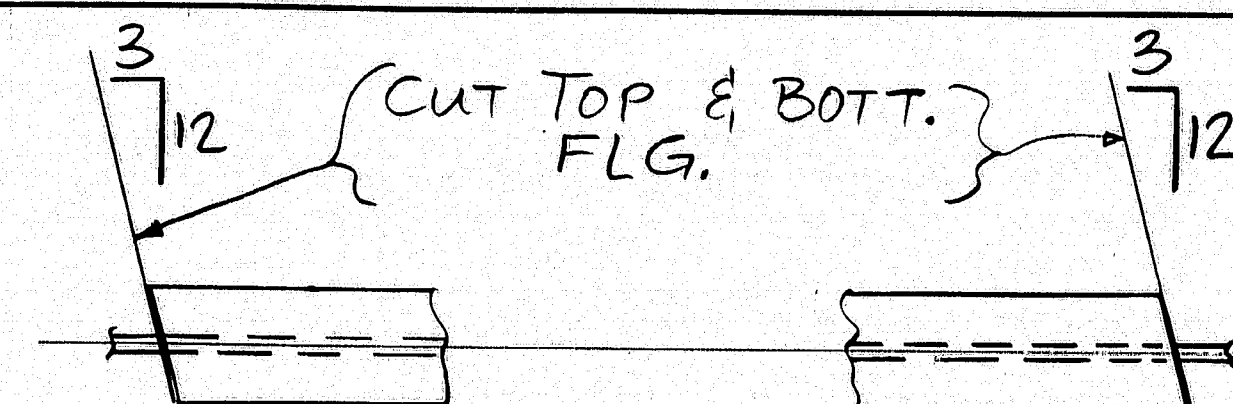
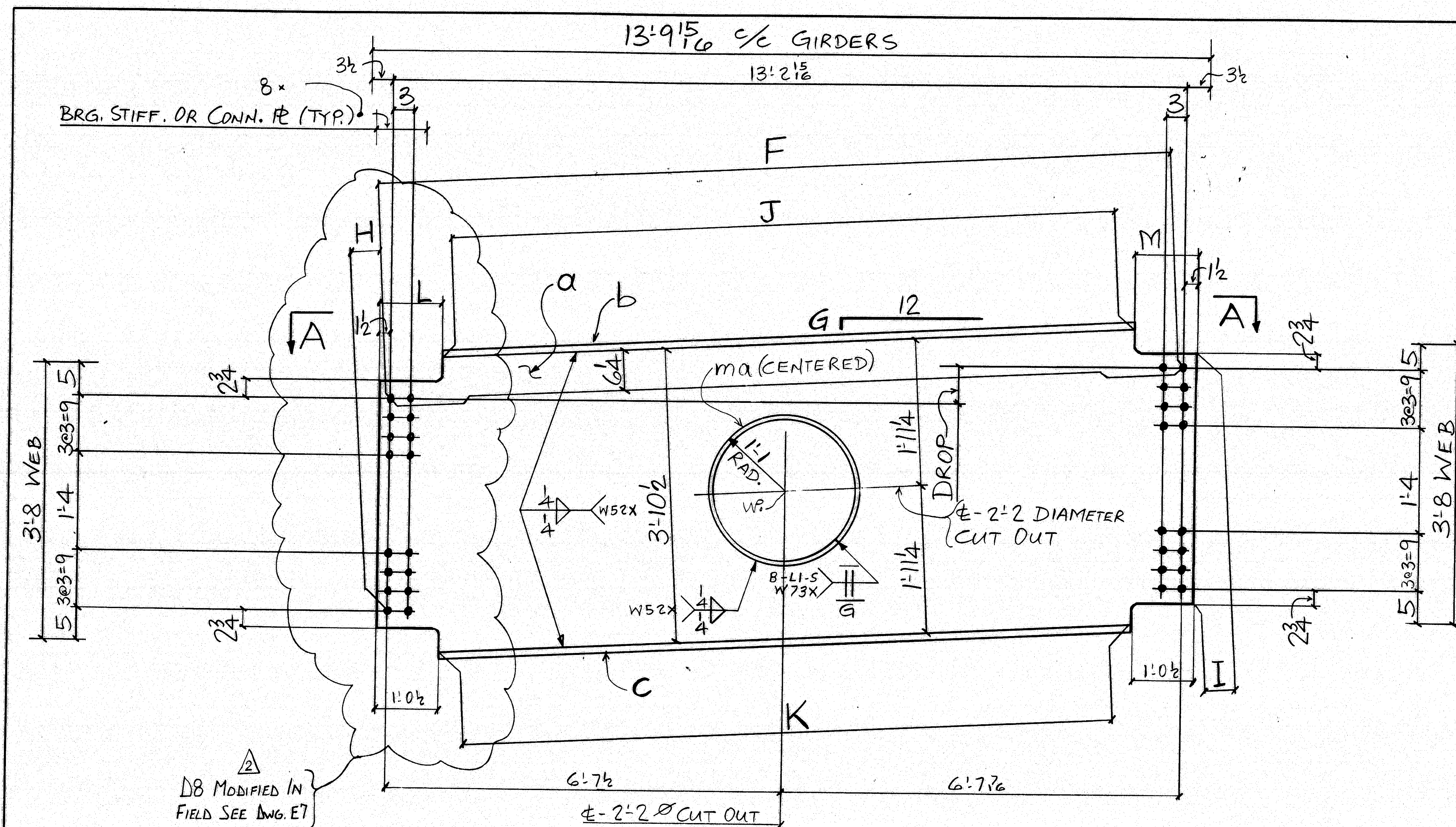
HIGH STEEL STRUCTURES, INC.

1770 Hempstead Road
Lancaster, PA 17608-0008
Phone 717/299-5211

A Division of High Industrial, Inc.

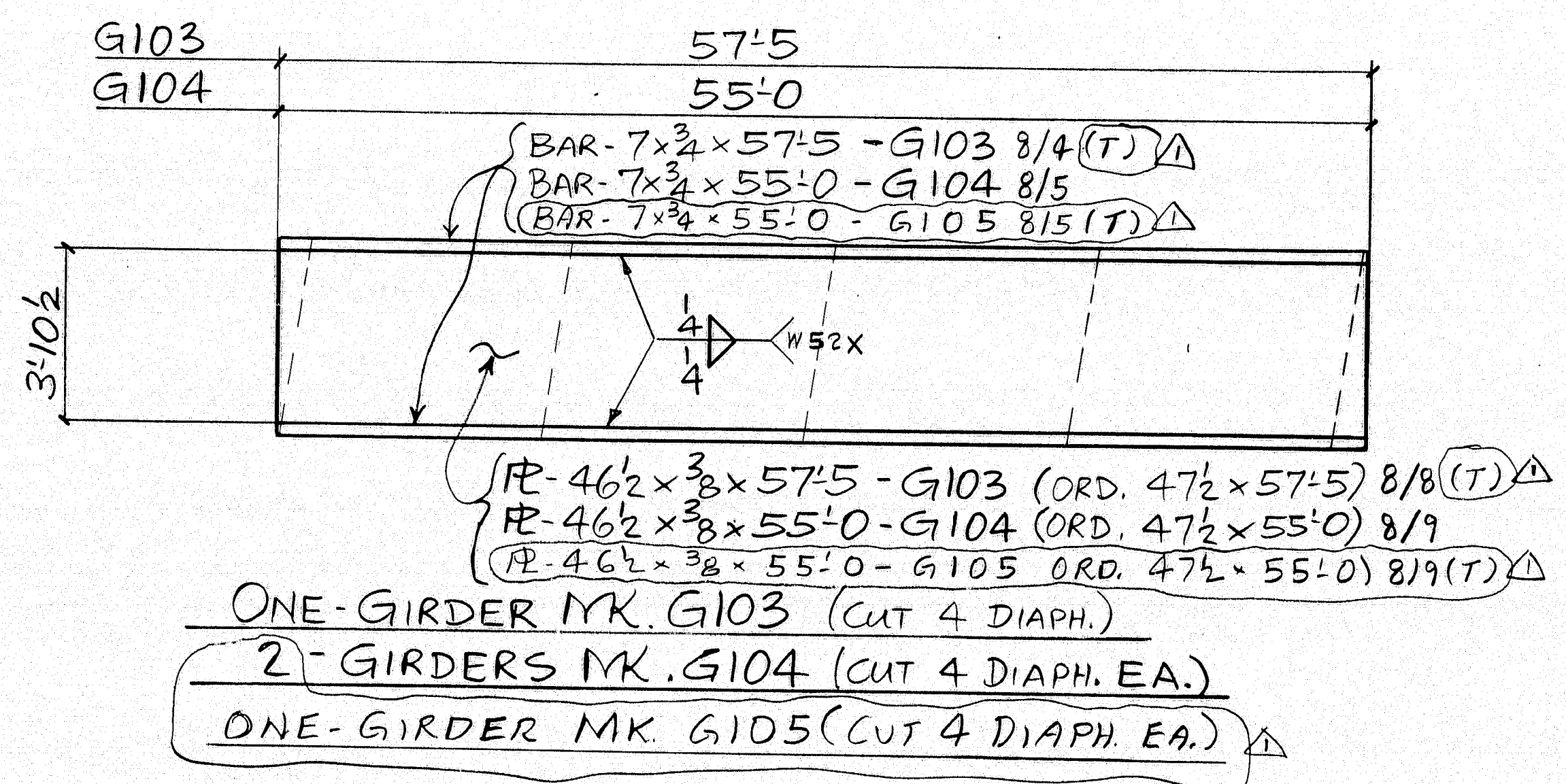
RE DIAPHRAGMS
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT
OR REF. NO. BR-BRF-038-1(35) PIN 2672.00
CONTRACTOR REED & REED, INC.
IN CHARGE LANCOWC MADE BY RF DATE 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 3 OF 77

NOV 25 1996



VIEW-A-A

MARK	DROP				F	G	H	I	J	K	L	M			CUT FROM
D8	2' 15/16	Δ			13' 2 1/2	4	5/8	3/4	12' 0 1/2	11' 4 1/16	8 1/2	8 1/2			G103
D9	4' 3/16				13' 3	5/16	7/8	1 1/16	12' 3	11' 5	7 1/2	7 1/2			G103
D10	4' 15/16				13' 3	3/8	1 1/16	1 3/16	12' 1	11' 5	8 1/2	8 1/2			G103



SHOP NOTE
 HOLES: 15\"/>

FOR GENERAL NOTES SEE DWG. N1

BILL OF MATERIAL				
NO.	MARK	DESCRIPTION	LENGTH	REMARKS
1	D8	DIAPHRAGM		
1	D9			
1	D10			
1	a	R 46 1/2 x 3/8	13' 6 3/4	D8
1	a	R 46 1/2 x 3/8	13' 7 1/2	D9
1	a	R 46 1/2 x 3/8	13' 7 1/2	D10
1	b	BAR 7 x 3/4	12' 2 1/4	D8
1	b	7 x 3/4	12' 4 3/8	D9
1	b	7 x 3/4	12' 2 3/4	D10
1	C	BAR 7 x 3/4	11' 6 1/4	D8
1	C	7 x 3/4	11' 6 3/8	D9
1	C	7 x 3/4	11' 6 3/8	D10
3	ma	BAR 4 x 3/8	6' 8 1/2	BENT

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME: *[Signature]* TITLE: *[Signature]*

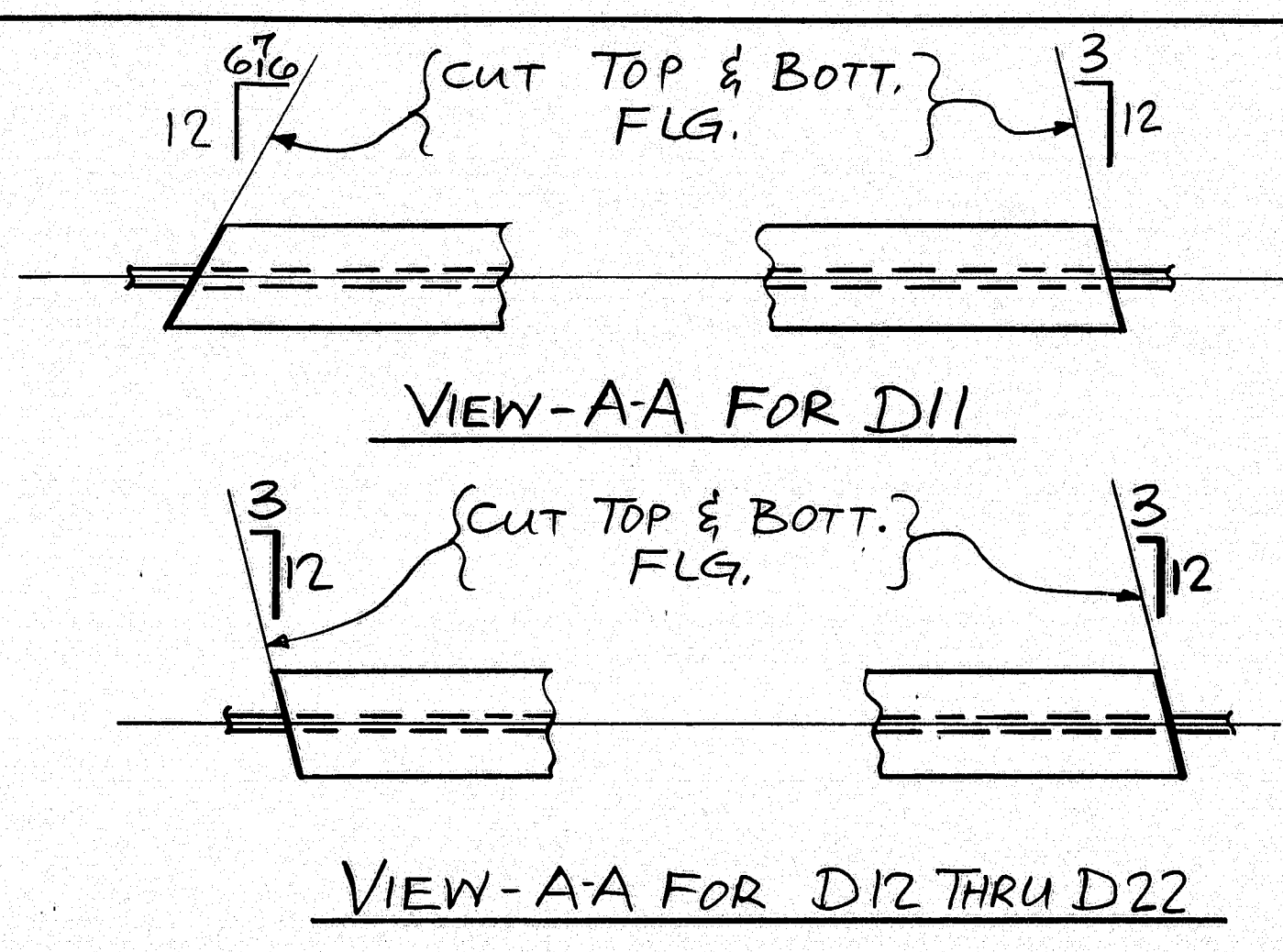
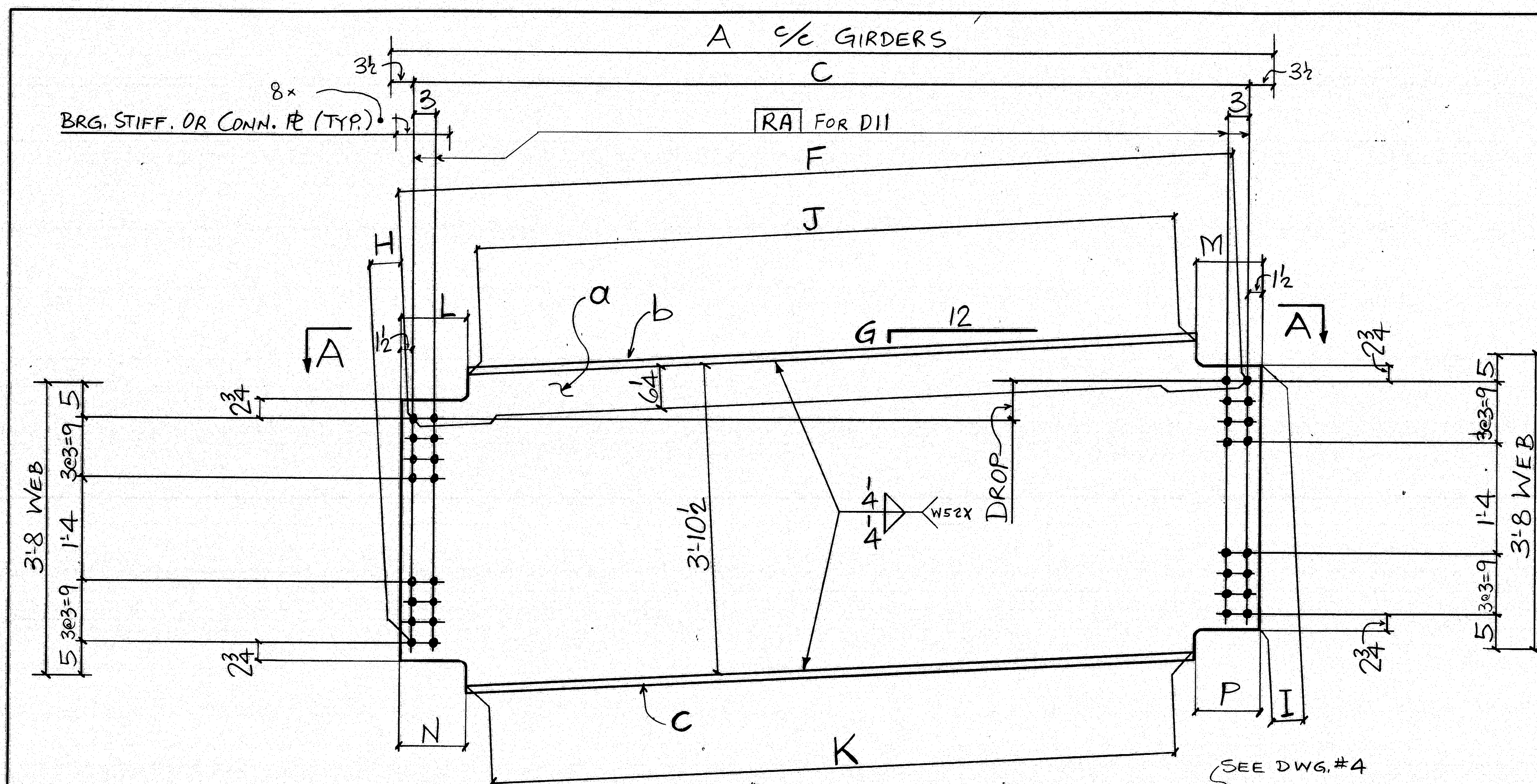
117-34

Δ	D8 MODIFIED DUE TO FAB. ERROR	10-10-96
Δ	DESIGN CHG.	4-23-96
NO.	REVISION	DATE

HIGH STEEL STRUCTURES, INC.

1770 Hampstead Road
 Lancaster, PA 17605-0008
 Phone 717/299-9211

RE DIAPHRAGM
 PENOBSCOT RIVER BRIDGE
 PENOBSCOT RIVER BRIDGE STA. 18+70
 PENOBSCOT CO. BANGOR TO BREWER
 STATE OF MAINE
 DEPT. OF TRANSPORTATION
 STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00
 CONTRACTOR REED & REED, INC.
 IN CHARGE LAMCO(WC) MADE BY HDG CH'D BY RF DATE 2.20.96
 CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 4 OF 77



MARK	DROP	A	C	F	G	H	I	J	K	L	M	N	P	CUT FROM
D11	5'9"	16'4 5/16"	15'9 5/16"	15'9 3/8"	3/8"	1"	1 3/16"	14'6 7/16"	14'1 1/16"	6 1/2"	11 1/2"	6 1/2"	1'4 3/4"	G103
D12	6'2"	13'9 15/16"	13'2 1/16"	13'2 1/16"	1/16"	8/16"	8/16"	12'0 3/4"	11'5"	8 1/2"	8 1/16"	1'0 7/16"	1'0 1/2"	G104
D13	2'9"			13'2 1/16"	3/16"	9/16"	5/8"	11'9 3/8"	11'0 1/2"	11 1/2"	8 1/16"	1'4 15/16"	1'0 1/2"	
D14	4'1 1/16"			13'3"	3/8"	1 5/16"	1 1/16"	12'0 3/4"	11'5"	8 1/2"	8 3/4"	1'0 1/2"	1'0 1/2"	
D15	1'5"			13'2 1/16"	1/16"	3/16"	4/16"	12'2 1/2"	11'4 1/2"	7 3/4"	7 1/16"	1'0 1/16"	1'0 3/4"	
D16	2'7/16"			13'2 1/16"	3/16"	2/16"	9/16"				7 1/16"	1'0 1/16"		
D17	3"			13'2 1/16"	4/16"	5/8"	3/4"				7 1/16"	1'0 1/16"		
D18	3'5/8"			13'3"	4/16"	3/4"	8/16"				7 3/4"	1'0 3/4"		
D19	4'3/16"			13'3"	5/16"	7/8"	1 1/16"	12'2 1/2"	11'4 1/2"	7 3/4"	7 3/4"	1'0 3/4"	1'0 3/4"	
D20	1'5/16"			13'2 1/16"	1/16"	1/16"	4/16"	12'0 3/4"	11'5"	8 1/2"	8 1/16"	1'0 7/16"	1'0 1/2"	G104
D21	1'1/16"			13'2 1/16"	8/16"	5/16"	3/8"	12'0 3/4"	11'5"	8 1/2"	8 1/16"	1'0 7/16"	1'0 1/2"	G105
D22	6'8"	13'9 15/16"	13'2 1/16"	13'3 1/16"	1/16"	1 1/16"	1 1/2"	11'9 3/8"	11'0 1/2"	11 7/16"	8 3/4"	1'4 15/16"	1'1"	G105

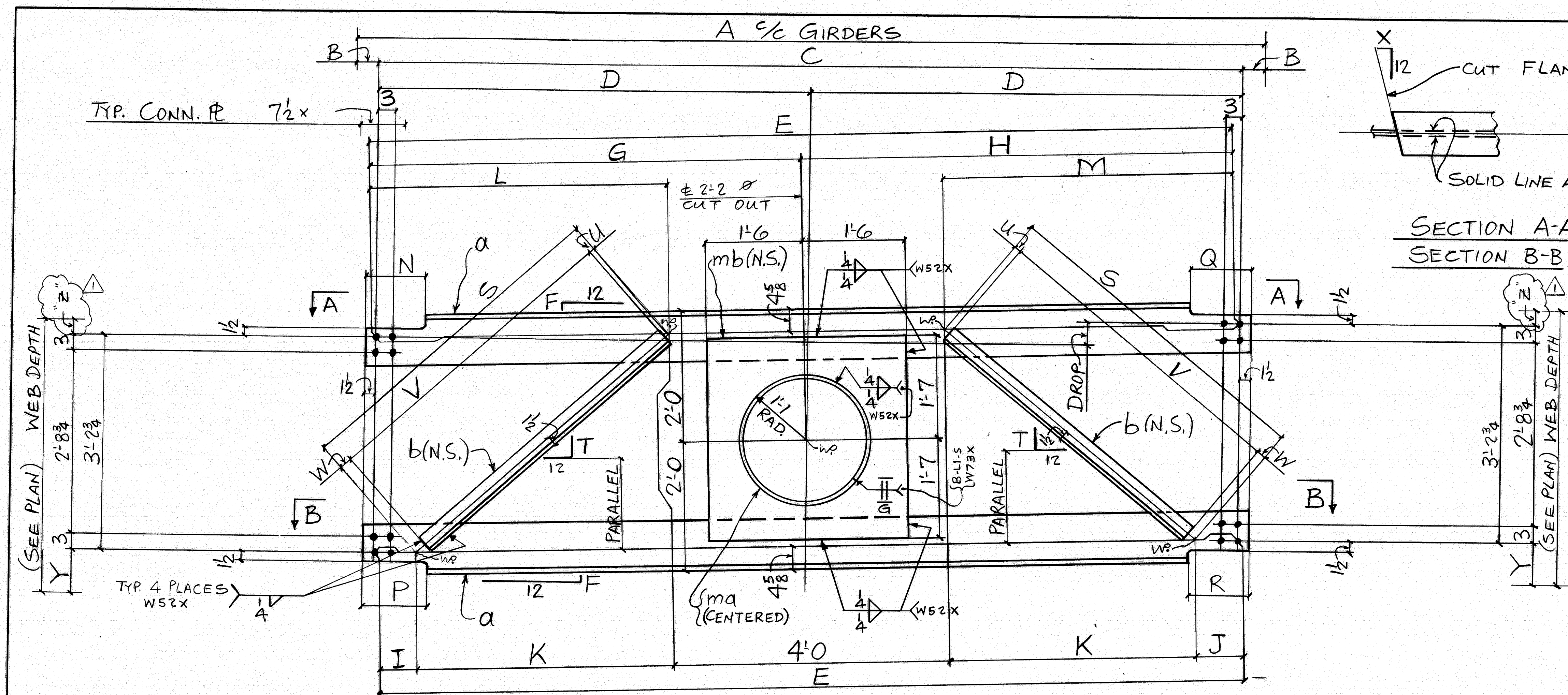
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP. WEIGHT
1	D11	DIAPHRAGM		(T)		1489
1	D12			(T)		1228
1	D13					1219
1	D14					1233
1	D15					1230
2	D16					1231
1	D17					1232
1	D18					1233
1	D19					1234
1	D20					1228
1	D21			(T)		1229
1	D22			(T)		1229
1	a	PL 46 1/2 x 3/8	16 1/8	D11		
1	a		13 6 1/16	D12		
1	a		13 6 1/16	D13		
1	a		13 7 1/8	D14		
1	a		13 6 1/2	D15		
2	a		13 6 1/2	D16		
1	a		13 6 1/16	D17		
1	a		13 6 1/8	D18		
1	a		13 7 1/16	D19		
1	a		13 6 1/8	D20		
1	a		13 6 1/8	D21		
1	a	PL 46 1/2 x 3/8	13 7 1/8	D22		
1	b	BAR 7 x 3/4	14 9 1/2	D11		
4	b		12 2 1/2	D12, D14, D20, D21		
2	b		11 1 1/2	D13, D22		
6	b		12 4 1/4	D15 THRU D19		
1	c		14 3 1/2	D11		
4	c		11 6 3/8	D12, D14, D20, D21		
1	c		11 2 1/4	D13		
6	c		11 6 1/4	D15 THRU D19		
1	c	BAR 7 x 3/4	11 2	D22		

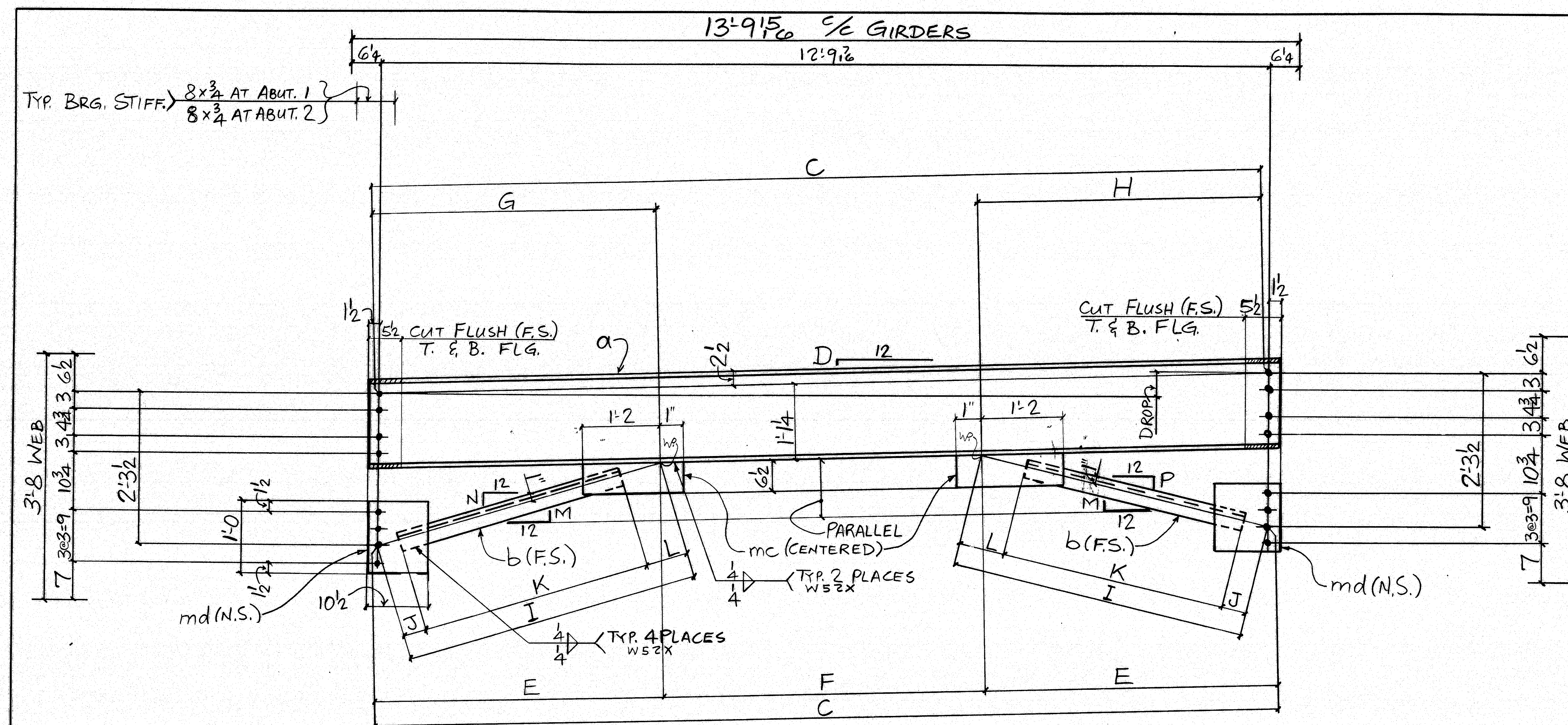
SHOP NOTE
 HOLES: 15" Ø
 BOLTS: NONE
 PAINT: NONE
 FOR GENERAL NOTES SEE DWG. N1

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
 NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
 DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
 OF STANDARD SPECIFICATIONS
 D.S. [Signature]
 TITLE: [Blank]

117-35
 DESIGN CHG. NO. 4-23-96
 NO. REVISION DATE
 HIGH STEEL STRUCTURES, INC.
 1770 Hempstead Road
 Lancaster, PA 17606-0008
 Phone 717/299-9211
 A Division of High Industries, Inc.

RE DIAPHRAGM
 PENOBSCOT RIVER BRIDGE
 PENOBSCOT RIVER BRIDGE STA. 18+70
 PENOBSCOT CO., BANGOR TO BREWER
 STATE OF MAINE
 DEPT. OF TRANSPORTATION
 STATE CONTRACT BR-BRF-038-1(35) PIN 2672.00
 OR REF. NO.
 CONTRACTOR REED & REED, INC.
 IN CHARGE LANC(WC) BY: RDG CHK'D: RF DATE: 2-20-96
 CONTRACT ME-95393-1 DRAWING NUMBER 5 OF 77





MARK	DROP		C	D	E	F	G	H	I	J	K	L	M	N	P		
CF7	3 5/8		12'9 1/2	5 1/2	4'6 3/4	3'8	4'6 8/16	4'7 3/8	4'8 9/16	3 3/4	3'7 1/2	9 5/16	3 3/8	3'7 1/8	2'13/16		
CF8	4 3/8		12'9 1/2	4 1/4	4'6 3/4	3'7 1/2	4'7 5/16	4'6 3/16	4'8 9/16	3 3/4	3'7 1/2	9 5/16	3 3/8	2'8	3 3/8		

SHOP NOTE
HOLES: 15" Ø
BOLTS: NONE
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FED. ROAD DIV. NO.		STATE	FED. AID PROJ. NO.
1		ME	BR-BRF-03 -1(35)

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT Ea.
1	CF7	CROSS FRAME				432
1	CF8	↓	↓			431
1	a	W 16x26	13 0 ³ / ₈	CF7		8 15
1	a	W 16x26	13 0 ³ / ₈	CF8		8 15
4	b	L 3x3x ⁵ / ₈	3 7 ¹ / ₂			9 5
4	mc	BAR 6 ¹ / ₂ x ³ / ₈	1 3			9 9
4	md	R 10 ¹ / ₂ x ³ / ₈	1 0			9 9

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.

[Signature] *[Signature]*

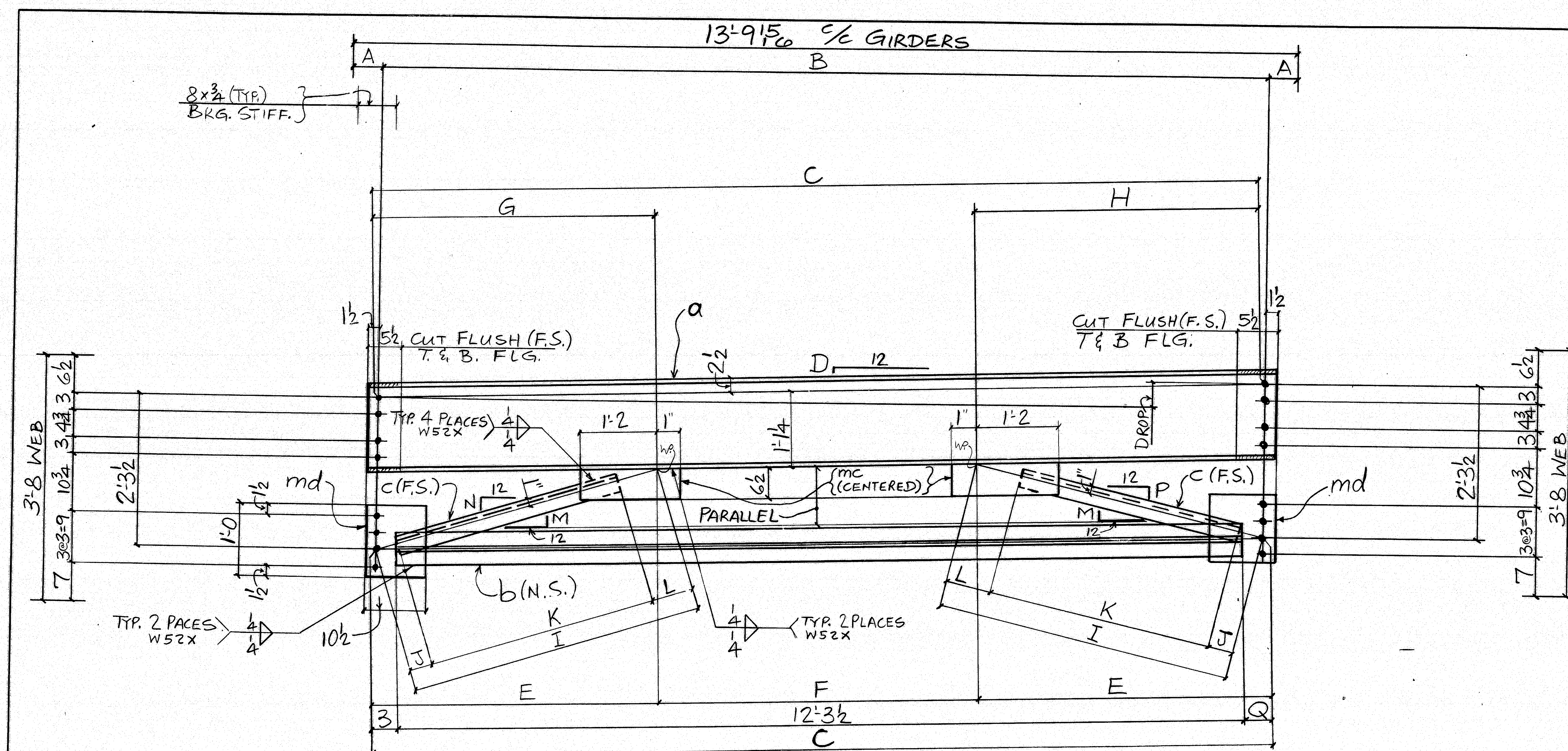
117-37

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC. *[Logo]*
1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industries, Inc.

CROSS FRAMES
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT BR-BRF-038-1(35) PIN 2672.0
OR REF. NO.
CONTRACTOR REED & REED, INC.
IN CHARGE LANCOWC BY: RDG BY: RF DATE: 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 7 OF 77

NOV 25 1996



MARK	DROP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q
CF9	3'-8"	64	12'-9 7/16	12'-9 1/2	5/16	4'-6 3/4	3'-8	4'-6 8	4'-7 3/8	4'-8 9/16	3'-4	3'-7 1/2	9 5/16	3 8	3 7/16	2 13/16	3
CF10	0"	64	12'-9 7/16	12'-9 7/16	0"	4'-6 3/4	3'-7 15/16	4'-6 3/4	4'-6 3/4	4'-8 9/16	3'-4	3'-7 1/2	9 5/16	3 8	3 8	3 8	2 15/16
CF11	1'-6 3/16	64	12'-9 7/16	12'-9 9/16	1'-1/2	4'-6 3/4	3'-8 1/16	4'-7 8	4'-5 5/8	4'-8 9/16	3'-4	3'-7 1/2	9 5/16	3 8	2 5/8	3 5/8	3 1/16

SHOP NOTE
HOLES: 15" Ø
BOLTS: NONE
PAINT: NONE

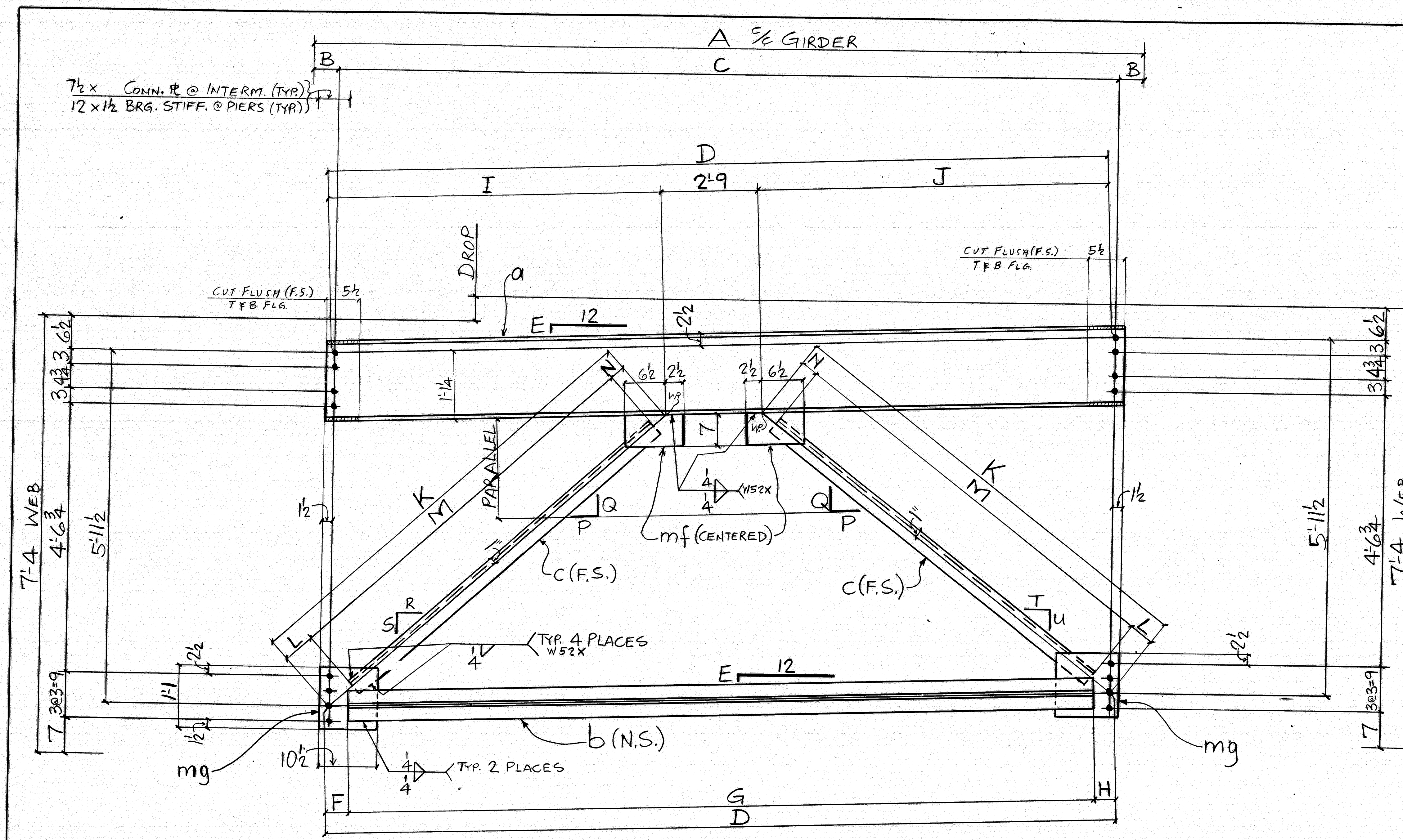
FOR GENERAL NOTES SEE DWG. N1

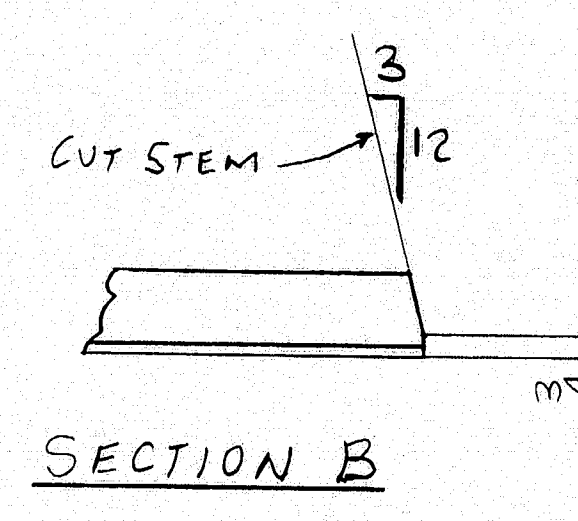
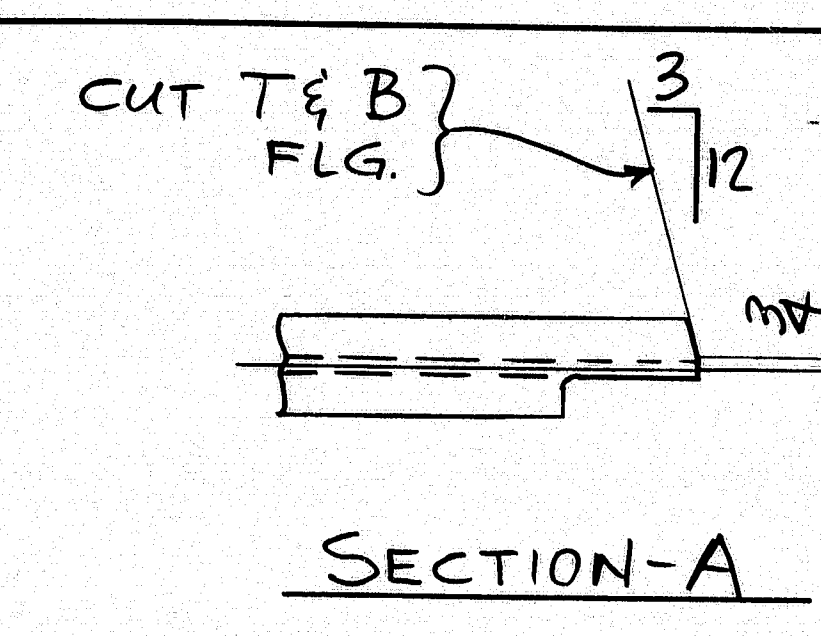
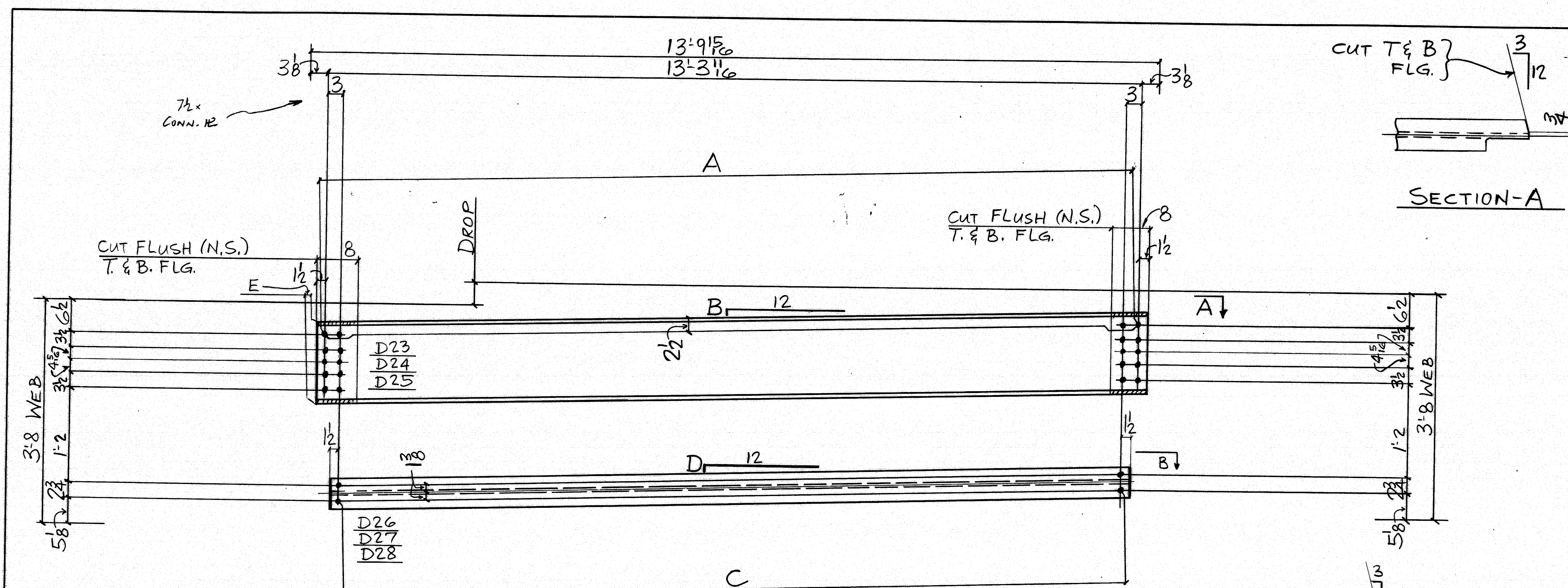
BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT
1	CF9	CROSS FRAME				567
1	CF10					566
1	CF11					568
1	a	W16x26	13'0 7/8	CF9		6 15
1	a	W16x26	13'0 1/2	CF10		8 15
1	a	W16x26	13'1 1/4	CF11		8 15
3	b	WT5x11	12'3 1/2			9 2
6	c	4x3x3x10	3'7 1/2			9 5
6	mc	BAR 6x2x3	13			9 9
6	md	R 10 1/2 x 8	10			9 9

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
J. G. L. NAME TITLE

117-38
REVISION DATE
HIGH STEEL STRUCTURES, INC.
1170 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5229
A Division of High Industries, Inc.
CROSS FRAMES
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.0
CONTRACTOR REED & REED, INC.
IN CHARGE LANCOWC MADE PDG CHW'D. BY1 RF DATE 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 8 OF 77

NOV 2 5 1996





MARK	DROP	A	B	E
D23	1 5/16	13'-3 1/16	8	4
D24	3 5/16	13'-3 3/4	4	7/16
D25	(-) 3 5/16	13'-3 3/4	(-) 4	(-) 7/16

MARK	DROP	C	D
D26	1 5/16	12'-9 1/16	8
D27	3 5/16	12'-9 3/4	4
D28	(-) 3 5/16	12'-9 3/4	(-) 4

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT EA.
1	D23	W21x44	13' 7"		8	14517.7
1	D24	W21x44	13' 7 1/4"		8	14598.6
1	D25	W21x44	13' 7 1/4"		8	14598.6
1	D26	WT5x11	13' 0 3/4"		9	143.7
1	D27	WT5x11	13' 0 7/8"		9	143.8
1	D28	WT5x11	13' 0 7/8"		9	143.8

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS.

[Signature] *[Signature]*

117-40

NO. REVISION DATE

HIGH STEEL STRUCTURES, INC. *[Logo]*
1770 Hampstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industries, Inc.

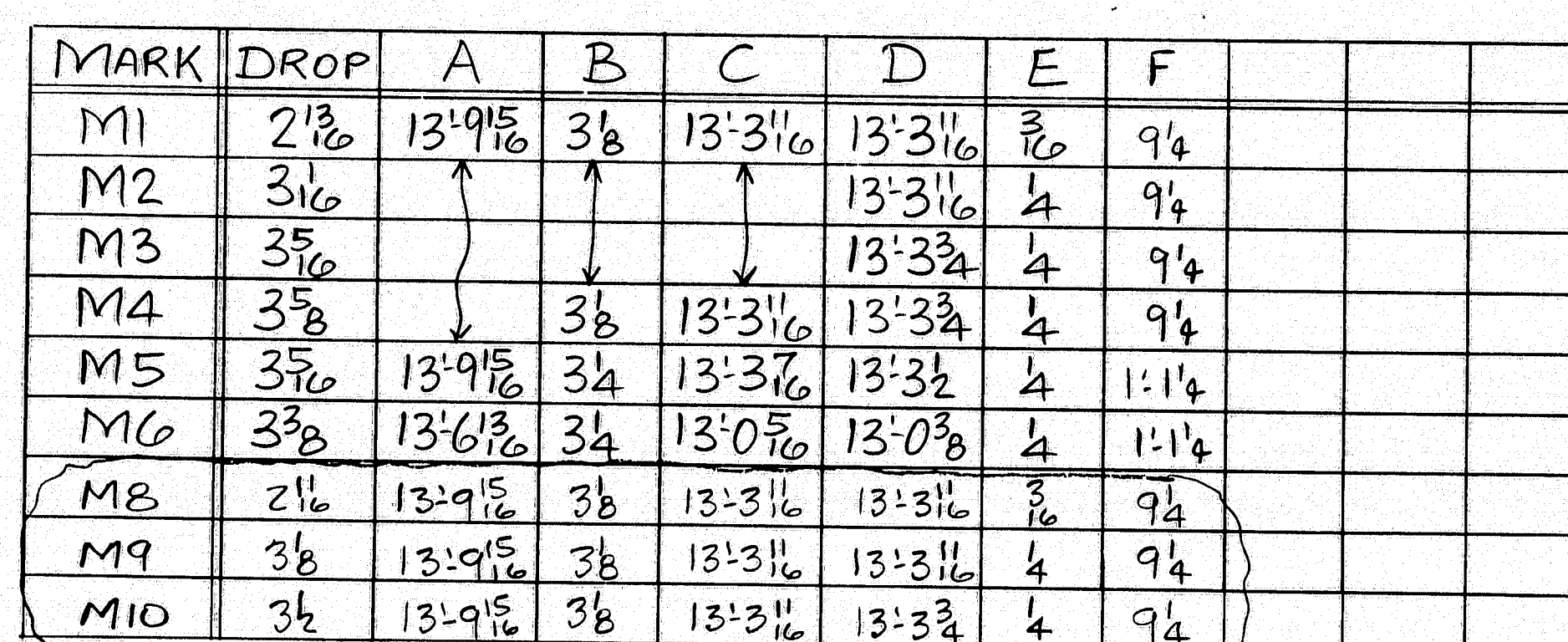
DIAPHRAGMS
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO., BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.0
CONTRACTOR REED & REED, INC.
IN CHARGE LANCOWC MADE BY FDG CHK'D BY RF DATE 2-20-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 10 OF 77

SHOP NOTE
HOLES: 15/16"
BOLTS: NONE
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

CODE: 56

NOV 25 1996



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 10
OF STANDARD SPECIFICATIONS.

D. E. Jones *41*

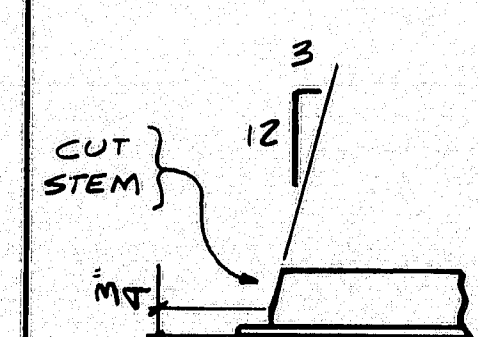
△			
△	MI MODIFIED DUE TO FAB. ERROR		10-10-90
△	DESIGN CHG.		5-9-90
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.		 1770 Hempstead Road Lancaster, PA 17606-0008 Phone 717/299-5228 A Division of High Industries, Inc.	
PIPE SUPPORT DIAPHRAGMS			
PENOBSCOT RIVER BRIDGE			
PENOBSCOT RIVER BRIDGE STA. 18+70			
PENOBSCOT CO. BANGOR TO BREWER			
STATE OF MAINE			
DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO.	BR-BRF-038-1(35) PIN 2672.00		
CONTRACTOR	REED & REED, INC.		
IN CHARGE	LANCO (WC)	MADE BY	ADG RF DATE: 8-30-91
CONTRACT NUMBER	ME-95393-1		DRAWING NUMBER: 11. OF 77

SHOP NOTE
HOLES: 15" Ø
BOLTS: NONE
PAINT: NONE

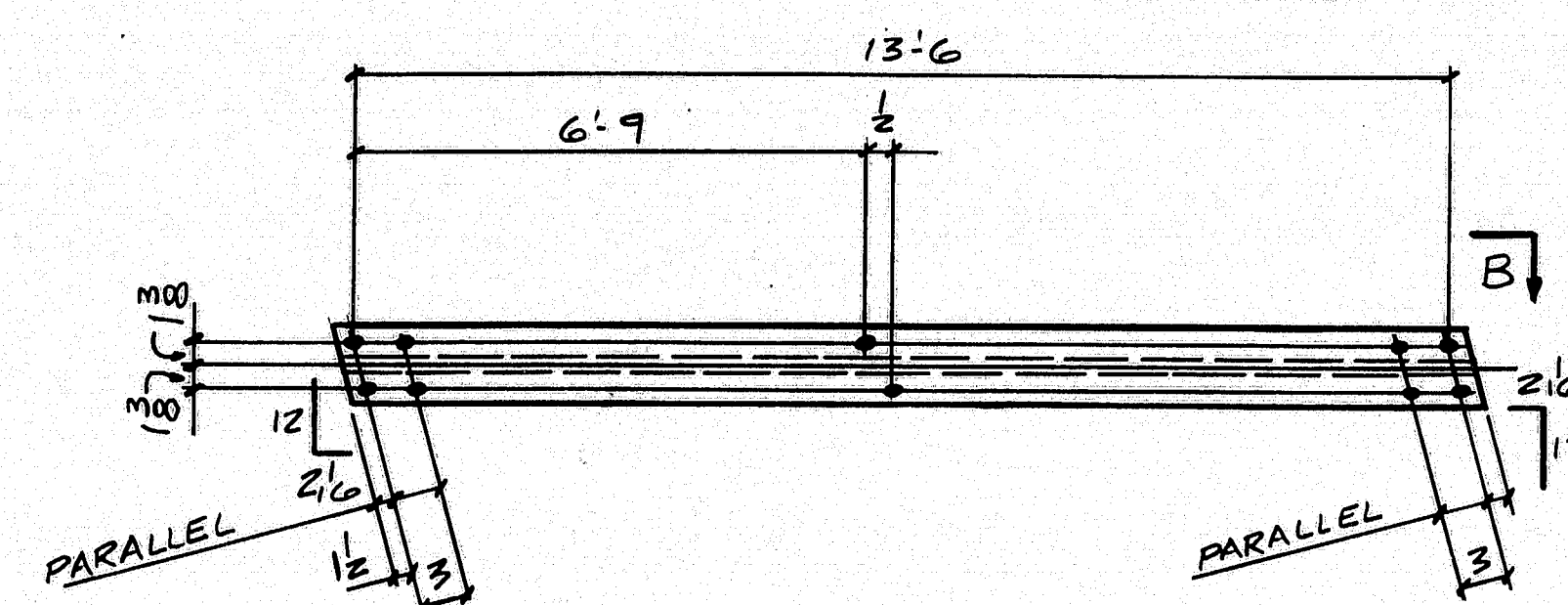
FOR GENERAL NOTES SEE DWG. N1

CODE: 56

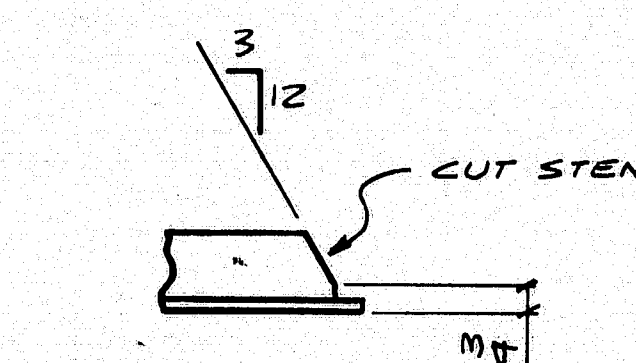
NOV 25 1996



MARK	10 REG'D	"A"	"B"	"C"	"D"
A1	ONE	13:1 $\frac{1}{4}$	1 $\frac{1}{10}$	5:11 $\frac{1}{2}$	5 $\frac{1}{10}$
A2	↑	13:1 $\frac{1}{8}$	1 $\frac{1}{10}$	7:11 $\frac{1}{2}$	5 $\frac{1}{10}$
A3		13:1 $\frac{1}{8}$	1 $\frac{1}{10}$	6:10 $\frac{3}{4}$	5 $\frac{1}{10}$
A4		13:2 $\frac{1}{8}$	2 $\frac{1}{10}$	6:3:16	9 $\frac{1}{10}$
A5		13:3 $\frac{1}{4}$	4 $\frac{1}{10}$	6:5:16	11 $\frac{1}{10}$
A6		13:3 $\frac{1}{8}$	2 $\frac{1}{10}$	7:0:4	11 $\frac{1}{10}$
A7		13:3 $\frac{3}{8}$	2 $\frac{1}{10}$	6:10 $\frac{5}{16}$	9 $\frac{1}{10}$
A8		13:4 $\frac{1}{8}$	1 $\frac{1}{4}$	6:1:16	5 $\frac{1}{10}$
A9		13:4 $\frac{1}{4}$	4 $\frac{1}{8}$	6:10:16	11 $\frac{1}{8}$
A10		13:1 $\frac{1}{4}$	4 $\frac{1}{8}$	6:9:16	11 $\frac{1}{8}$
A11		13:4 $\frac{3}{8}$	1 $\frac{1}{2}$	7:3:6	5 $\frac{1}{10}$
A12		13:4 $\frac{1}{4}$	1 $\frac{1}{4}$	7:0:8	5 $\frac{1}{10}$
A13		13:1 $\frac{1}{2}$	2 $\frac{1}{10}$	6:4:16	1 $\frac{1}{2}$
A14		13:6 $\frac{3}{8}$	4 $\frac{1}{2}$	6:6:16	11 $\frac{1}{16}$
A15		13:6 $\frac{1}{8}$	4 $\frac{1}{10}$	6:7:16	11 $\frac{1}{16}$
A16		13:6 $\frac{1}{8}$	2 $\frac{1}{10}$	7:1:16	1 $\frac{1}{16}$
A17		13:6 $\frac{5}{8}$	2 $\frac{1}{10}$	6:11:16	9 $\frac{1}{16}$
A18		13:6 $\frac{1}{4}$	4 $\frac{1}{8}$	6:7:8	11 $\frac{1}{16}$
A19		13:1 $\frac{1}{8}$	4 $\frac{1}{10}$	7:0:8	11 $\frac{1}{16}$
A20		13:7 $\frac{1}{8}$	4 $\frac{1}{10}$	6:11:8	11 $\frac{1}{16}$
A21		13:7 $\frac{1}{8}$	4 $\frac{1}{10}$	6:11:16	11 $\frac{1}{16}$
A22		13:7 $\frac{1}{8}$	4 $\frac{1}{10}$	7:0:3	11 $\frac{1}{16}$
A23	↓	13:7 $\frac{1}{8}$	4 $\frac{1}{10}$	7:1:0	11 $\frac{1}{16}$
A24	ONE	13:7 $\frac{1}{8}$	4 $\frac{1}{10}$	7:1	11 $\frac{1}{16}$
A25	Z	13:10 $\frac{1}{2}$	4 $\frac{1}{8}$	6:8:7	11 $\frac{1}{16}$
A26	Z	13:11 $\frac{1}{8}$	4 $\frac{1}{8}$	7:2:16	11 $\frac{1}{16}$
A27	Z	13:11 $\frac{1}{8}$	4 $\frac{1}{8}$	7:1:16	11 $\frac{1}{16}$
A28	16	14:1 $\frac{1}{8}$	4 $\frac{1}{10}$	6:10 $\frac{1}{16}$	1"
A29	16	14:1 $\frac{1}{8}$	4 $\frac{1}{10}$	7:3:16	1"
A30	16	14:2 $\frac{1}{8}$	4 $\frac{1}{10}$	7:2:16	1"
				-	



26-REQ'D ~ A31



SECTION-B

FEDERADO DIYANG		STATE	FEDERAD PROD.NO.
1	ME	BR-BRF-038- (35)	

NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SH MET
ONE	A1	WT 4 x 9	13 4 1/2		9	120
	A2		13 5 1/2		121	121
	A3		13 5 1/2		122	121
	A4		13 6 1/2		123	122
	A5		13 8 1/2		124	123
	A6		13 7 1/2		125	122
	A7		13 7 1/2		126	121
	A8		13 8		127	123
	A9		13 10 1/2		128	124
	A10		13 10 1/2		129	124
	A11		13 8 1/2		130	123
	A12		13 8 1/2		131	123
	A13		13 10		132	124
	A14		13 11 1/2		133	125
	A15		13 11 1/2		134	125
	A16		13 10 1/2		135	125
	A17		13 10 1/2		136	125
	A18		14 0		137	126
	A19		14 1		138	126
	A20		14 1		139	
	A21		14 1		140	
	A22		14 1		141	
	A23		14 1		142	
ONE	A24		14 1		143	126
	Z A25		14 3 1/2		144	128
	Z A26		14 4 1/2		145	129
	Z A27		14 4 1/2		146	129
	16 A28		14 6 1/2		147	130
	16 A29		14 7 1/2		148	131
	16 A30	WT 4 x 9	14 7 1/2		149	131
	ZG A31	WT 4 x 9	13 10		150	124

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 10
OF STANDARD SPECIFICATIONS.

D. Green JP

△			
△			
△			
NO.	REVISION		DATE
HIGH STEEL STRUCTURES, INC.		 1170 Hempstead Road Lenoir, Pa. 16655-0008 Phone 717/239-5228 A Division of High Industries, Inc.	
CROSS FRAMES (KNOCK DOWN)			
PENOBSCOT RIVER BRIDGE			
PENOBSCOT RIVER BRIDGE STA. 1B+70			
PENOBSCOT CO., BANGOR TO BREWER			
STATE OF MAINE			
DEPT. OF TRANSPORTATION			
STATE CONTRACT OR REF. NO.	BR-BRF-03B-1(35) PIN 2672.00		
CONTRACTOR	REED & REED, INC.		
IN CHARGE	LANCO (WC)	MADE BY: SJR	CHK'D. BY: DWG
CONTRACT NUMBER	ME-95393-1		DATE: 2-21-90
			12 OF 77

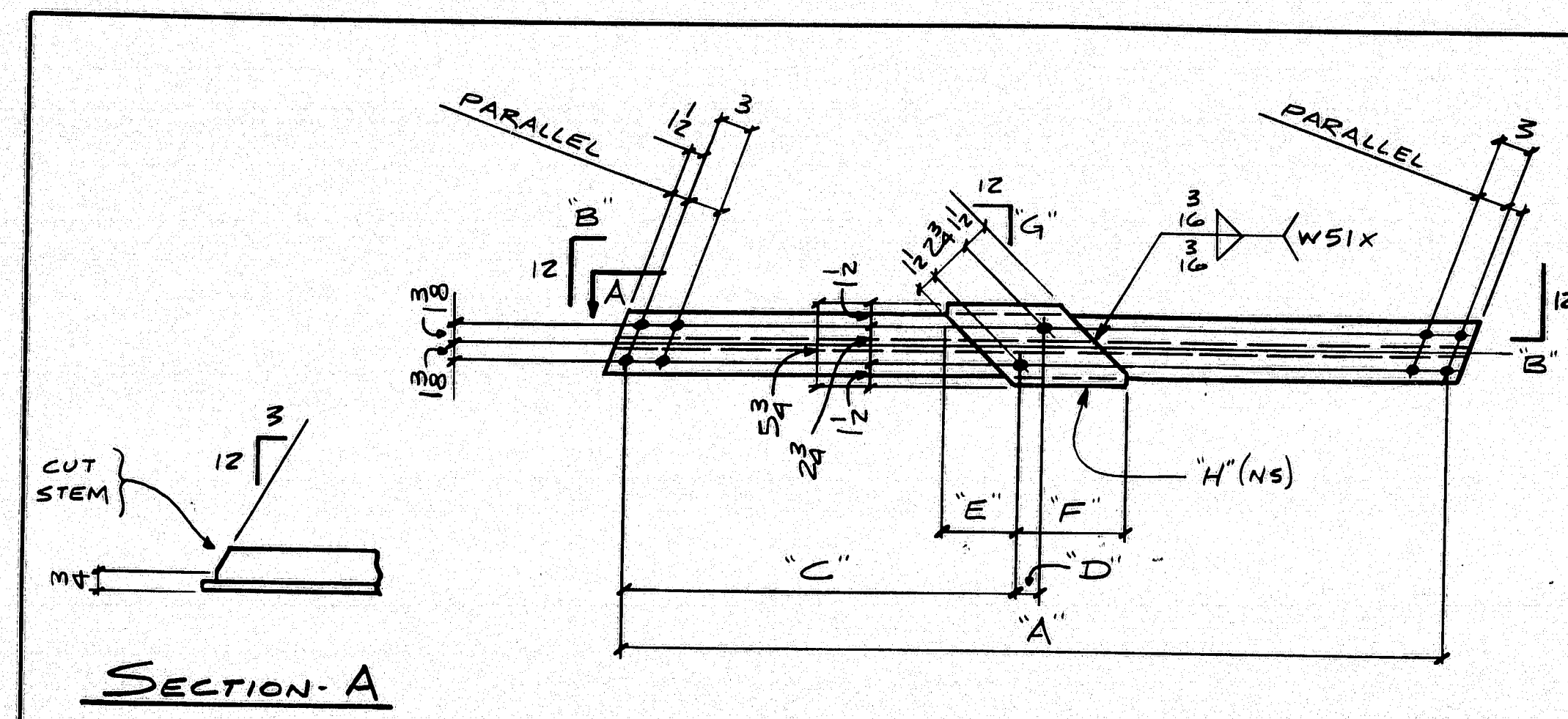
SHOP NOTE

HOLES: 15" $\varnothing$
BOLTS: NONE
PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

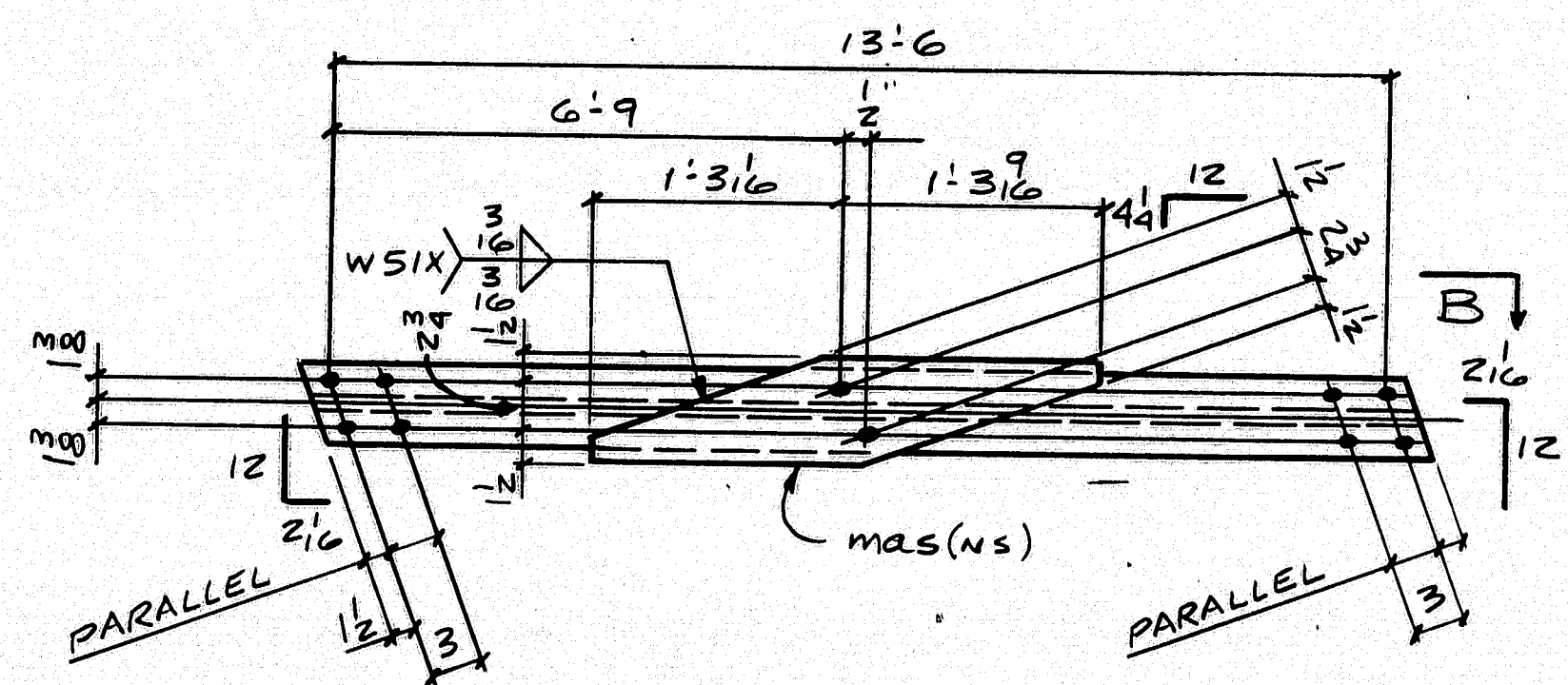
CODE: 63

NOV 25 1996



SECTION-A

MARK	NO. REQ'D	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
B1	ONE	13'-1 1/4"	1 1/2"	5'-11 1/2"	5 1/2"	1'-10 1/16"	1'-10 3/8"	2 3/8"	mh
B2	↑	13'-1 1/8"	1 1/2"	6'-2 3/4"	5 1/2"	1'-9 1/16"	1'-9 1/2"	3"	mk
B3		13'-1 1/8"	1 1/2"	7'-1 1/2"	5 1/2"	1'-10 1/16"	1'-10 3/8"	2 3/8"	mh
B4		13'-2 3/8"	2 1/2"	6'-3 1/2"	9 1/2"	1'-11 1/16"	1'-1 1/4"	4 3/8"	mm
B5		13'-3 1/4"	2 1/2"	6'-5 1/2"	9 1/2"	1'-10 1/8"	1'-1 1/2"	5"	mn
B6		13'-3 3/8"	2 1/2"	7'-0 1/4"	9 1/2"	1'-11 1/16"	1'-1 1/4"	4 3/8"	mm
B7		13'-3 3/8"	4 3/8"	6'-5 1/2"	1 1/2"	6 1/2"	7 3/8"	11 1/2"	mp
B8		13'-4 1/8"	4 3/8"	6'-7"	1 1/2"	6"	7 1/8"	11 1/2"	ms
B9		13'-4 3/8"	1 1/2"	6'-11 1/2"	5 1/2"	1'-10 1/16"	1'-10 3/8"	2 3/8"	mh
B10		13'-4 1/2"	1 1/2"	6'-4 1/4"	5 1/2"	1'-9 1/8"	1'-9 1/2"	2 1/2"	mt
B11		13'-4 3/4"	4 3/8"	6'-10 1/2"	1 1/2"	6 1/2"	7 1/8"	11 1/2"	mw
B12		13'-4 3/4"	1 1/2"	7'-3 1/2"	5 1/2"	1'-10 1/16"	1'-10 3/8"	2 3/8"	mh
B13		13'-6"	4 1/2"	6'-5 1/2"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	my
B14		13'-6"	2 1/2"	6'-4 3/8"	1 1/2"	1'-1 1/2"	1'-2"	4 3/8"	maa
B15		13'-6 1/8"	4 1/2"	6'-6 1/2"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mab
B16		13'-6 1/4"	2 1/2"	6'-6 3/8"	9 1/2"	1'-11 1/16"	1'-1 1/4"	4 3/8"	mm
B17		13'-6 3/8"	4 1/2"	6'-6 1/2"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mac
B18		13'-6 1/2"	4 1/2"	6'-7 1/8"	1 1/2"	6 1/2"	7 1/8"	11"	mad
B19		13'-6 3/4"	4 1/2"	6'-7 1/2"	1 1/2"	6 1/2"	7 1/8"	11 1/2"	maf
B20		13'-6 3/8"	2 1/2"	7'-1 1/2"	1 1/2"	1'-1 1/2"	1'-2"	4 3/8"	maa
B21		13'-6 3/8"	4 3/8"	6'-8 1/8"	1 1/2"	6 1/2"	7 1/8"	11 1/2"	mag
B22		13'-7 3/8"	4 1/2"	7'-0 1/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mac
B23		13'-7 3/8"	4 1/2"	6'-11 1/2"	1 1/2"	6 1/2"	7 1/8"	11 1/2"	maf
B24		13'-7 3/8"	4 1/2"	6'-11 1/2"	1 1/2"	6 1/2"	7 1/8"	11 1/2"	mag
B25		13'-10 1/2"	4 3/8"	6'-8 1/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mak
B26	↑	13'-11"	4 1/2"	6'-10 1/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mam
B27	ONE	13'-11 3/8"	4 3/8"	7'-2 3/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mak
B28	11	14'-1 3/8"	4 1/2"	6'-10 3/8"	1"	6 1/2"	7 1/8"	10 3/8"	man
B29	11	14'-1 1/2"	4 1/2"	6'-11 1/2"	1"	6 1/2"	7 1/8"	10 3/8"	map
B30	11	14'-2 3/8"	4 1/2"	7'-3 1/2"	1"	6 1/2"	7 1/8"	10 3/8"	man
B32	ONE	13'-10 1/2"	4 3/8"	6'-8 1/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mba
B33	ONE	13'-11"	4 1/2"	6'-10 1/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mbb
B34	ONE	13'-11 3/8"	4 3/8"	7'-2 3/8"	1 1/2"	6 1/2"	7 1/8"	10 3/8"	mbb
B35	5	14'-1 3/8"	4 1/2"	6'-10 3/8"	1"	6 1/2"	7 1/8"	10 3/8"	mbc
B36	5	14'-1 1/2"	4 1/2"	6'-11 1/2"	1"	6 1/2"	7 1/8"	10 3/8"	mbd
B37	5	14'-2 3/8"	4 1/2"	7'-3 1/2"	1"	6 1/2"	7 1/8"	10 3/8"	mbc



SECTION-B

26-REQ'D ~ B31

SHOP NOTE
HOLES: 1 1/2"
BOLTS: NONE
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LB.
2	maa	BAR-5 1/2" x 11	2 3/4"	B14, B20	9 1/2	
2	mak	BAR-5 1/2" x 3/8	1 1 1/2"	B25, B27	9 1/2	
1	mam	↑	1 1 1/2"	B26	9 1/2	
22	man	↑	1 2 1/2"	B28, B30	9 1/2	
11	map	BAR-5 1/2" x 3/8	1 2"	B29	9 1/2	
1	mp	BAR-5 1/2" x 1 1/2	1 1 1/4"	B7	9 1/2	
1	ms	↑	1 1 1/2"	B8	9 1/2	
1	mw	↑	1 1 1/2"	B11	9 1/2	
1	my	↑	1 1 1/2"	B13	9 1/2	
1	mab	↑	1 1 1/2"	B15	9 1/2	
2	mac	↑	1 1 1/2"	B17, B22	9 1/2	
1	mad	↑	1 1 1/2"	B18	9 1/2	
2	maf	BAR-5 1/2" x 1 1/2	1 1 1/2"	B19, B23	9 1/2	
2	mag	BAR-5 1/2" x 1 1/2	1 1 1/2"	B24, B24	9 1/2	
26	B31	WT 4 x 9	13 10		9 1/2	159
26	mas	BAR-5 1/2" x 3/8	2 6 3/8"		9 1/2	
ONE	B32	WT 4 x 9	14 3 3/8"		9 1/2	144
ONE	B33	↑	14 4 1/2"		9 1/2	145
ONE	B34	↑	14 4 3/8"		9 1/2	147
5	B35	↑	14 6 1/2"		9 1/2	147
5	B36	↑	14 7"		9 1/2	147
5	B37	WT 4 x 9	14 7 1/2"		9 1/2	148
2	mba	BAR-5 1/2" x 1 1/2	1 1 1/2"	B32, B34	9 1/2	
1	mbb	↑	1 1 1/2"	B33	9 1/2	
10	mbc	↑	1 2 1/2"	B35, B37	9 1/2	
5	mbd	BAR-5 1/2" x 1 1/2	1 2"	B36	9 1/2	

BILL OF MATERIAL						
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP WEIGHT LB.
ONE	B1	WT 4 x 9	13 4 1/2"		9 1/2	170
↑	B2	↑	13 5"		9 1/2	169
↑	B3	↑	13 5 3/8"		9 1/2	171
↑	B4	↑	13 6 1/8"		9 1/2	152
↑	B5	↑	13 7 1/8"		9 1/2	152
↑	B6	↑	13 7 3/8"		9 1/2	153
↑	B7	↑	13 8 1/8"		9 1/2	156
↑	B8	↑	13 9 1/2"		9 1/2	156
↑	B9	↑	13 8"		9 1/2	173
↑	B10	↑	13 8 1/2"		9 1/2	172
↑	B11	↑	13 10 1/8"		9 1/2	157
↑	B12	↑	13 8 1/2"		9 1/2	173
↑	B13	↑	13 11 1/8"		9 1/2	159
↑	B14	↑	13 10"		9 1/2	155
↑	B15	↑	13 11 1/4"		9 1/2	159
↑	B16	↑	13 10 3/8"		9 1/2	155
↑	B17	↑	13 11 1/8"		9 1/2	159
↑	B18	↑	13 11 3/8"		9 1/2	159
↑	B19	↑	13 11 1/2"		9 1/2	159
↑	B20	↑	13 10 3/8"		9 1/2	156
↑	B21	↑	14 0 1/8"		9 1/2	159
↑	B22	↑	14 1"		9 1/2	160
↑	B23	↑	14 1"		9 1/2	160
↑	B24	↑	14 1"		9 1/2	159
↑	B25	↑	14 3 3/8"		9 1/2	144
↑	B26	↑	14 4 1/2"		9 1/2	145
ONE	B27	↑	14 4 3/8"		9 1/2	147
11	B28	↑	14 6 1/2"		9 1/2	147
11	B29	↑	14 7"		9 1/2	147
11	B30	WT 4 x 9	14 7 1/2"		9 1/2	148
4	mh	BAR-5 1/2" x 3/8	3 8 1/2"	B1, B3, B9, B12	9 1/2	
1	mk	BAR-5 1/2" x 3/8	3 6 1/2"	B2	9 1/2	
3	mm	BAR-5 1/2" x 1 1/2	2 2 1/2"	B4, B6, B16	9 1/2	
1	mn	BAR-5 1/2" x 1 1/2	2 2 3/8"	B5	9 1/2	
1	mt	BAR-5 1/2" x 3/8	3 7 1/2"	B10	9 1/2	

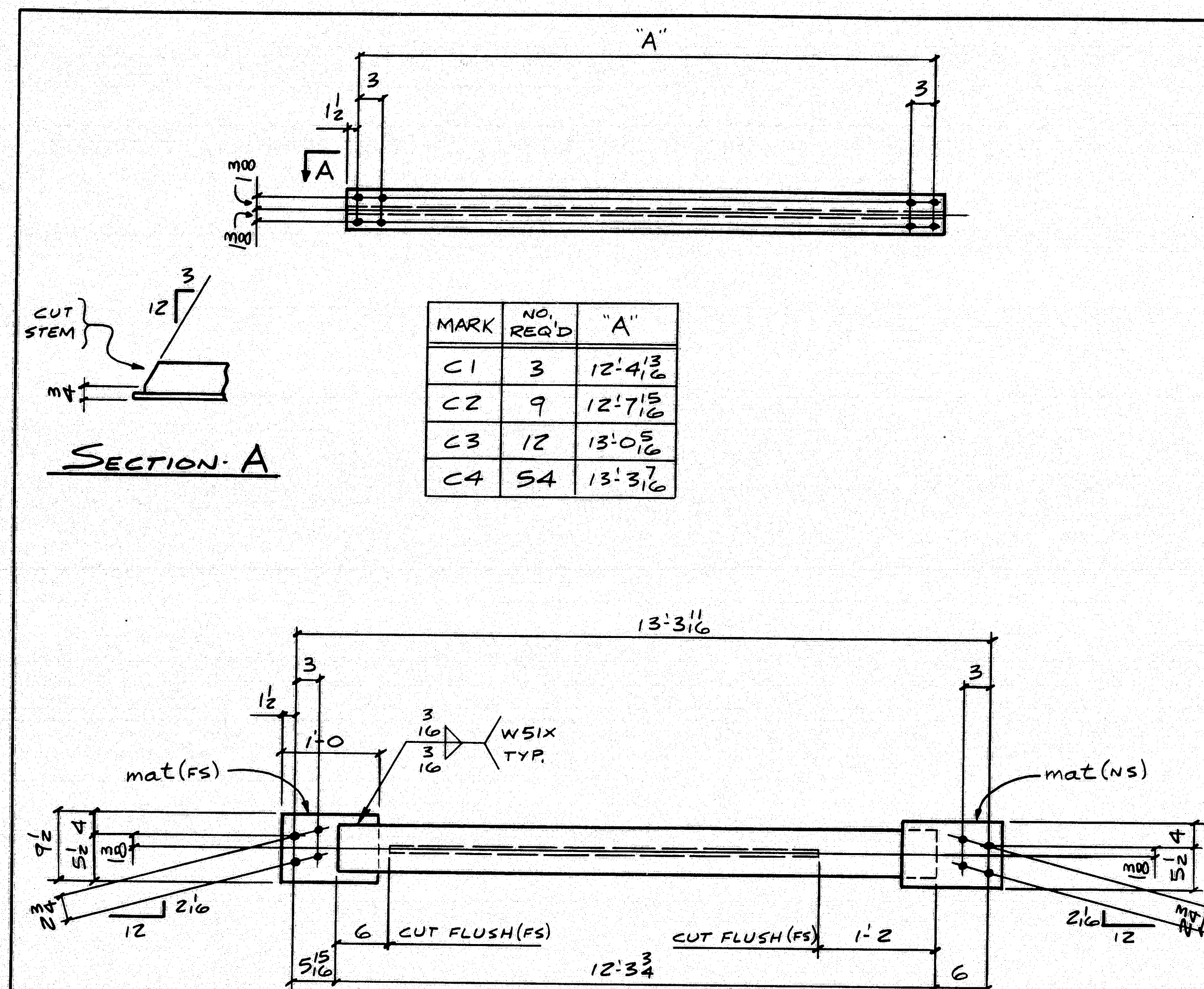
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS TAKEN
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS
DATE: NOV 27 1996

117-43

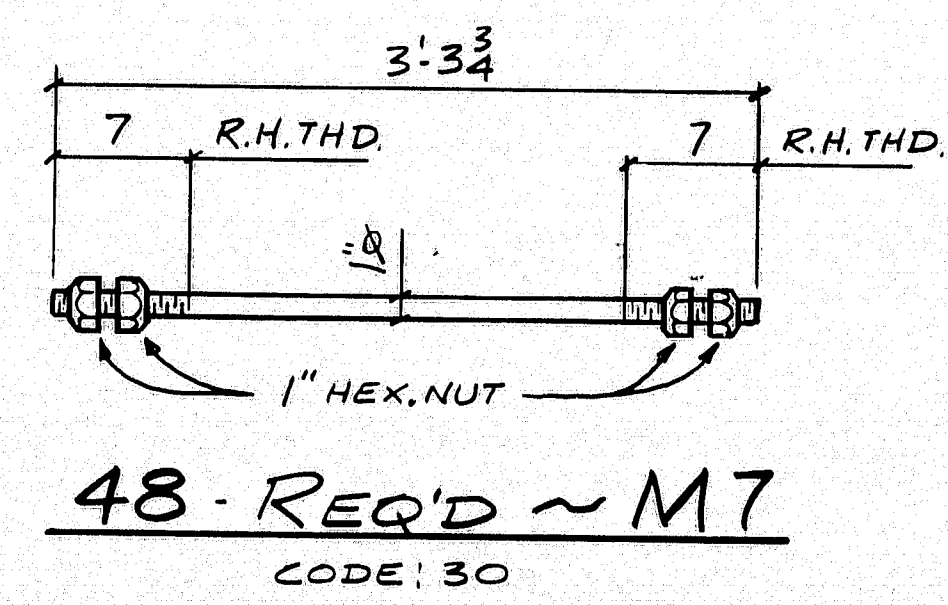
DESIGN INFO	5/23/96
DELETE mab, add mag	5-20-96
NO.	REVISION
DATE	

HIGH STEEL STRUCTURES, INC.
1770 Hampden Road
Lancaster, PA 17605-0008
Phone 717/299-9211
A Division of High Industries, Inc.

CROSSFRAMES (KNOCK DOWN)
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO. BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00
CONTRACTOR REED & REED, INC.
IN CHARGE LANGE (WC) MADE BY SJR CHK'D BY DWG DATE 2-22-94
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 13 OF 77



26-REQ'D ~ C5



48-REQ'D ~ M7
CODE: 30

SHOP NOTE
HOLES: 1/8"
BOLTS: NONE
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1

BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
3	C1	WT 5x11	12 7 1/2		9 2 139.2
9	C2		12 11		9 2 142.1
12	C3		13 3 3/8		9 2 146.1
54	C4	WT 5x11	13 6 1/2		9 2 149.0
26	C5	WT 5x11	12 3 3/4		9 2 160
52	mat	12-9 1/2 x 8	1 0		9 2
48	M7	1\"	3 3/4		7 18 9.9
192	1\"	HEX. NUT			5 21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS

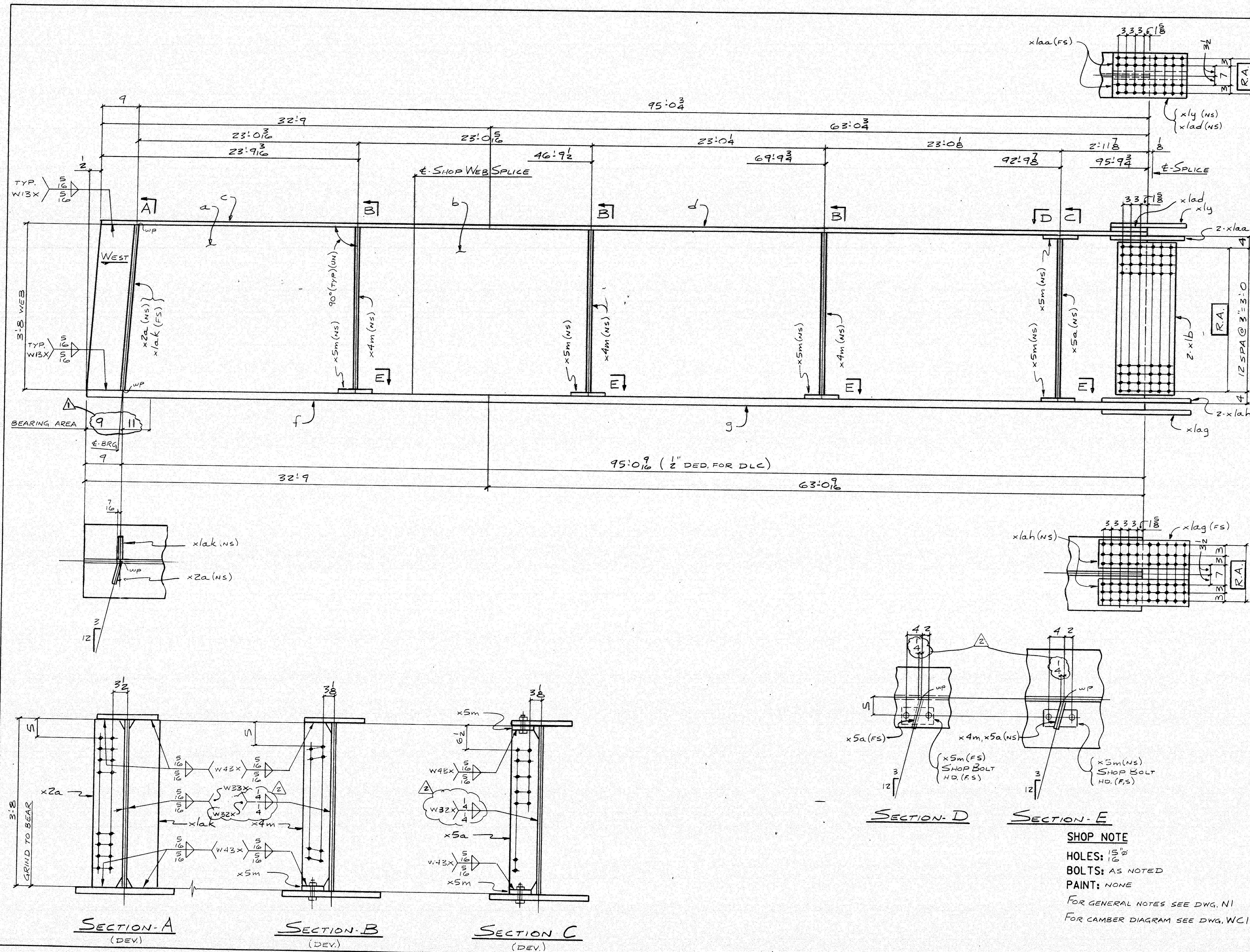
117-44

NO.	REVISION	DATE

HIGH STEEL STRUCTURES, INC.
1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industries, Inc.

CROSS FRAMES (KNOCK DOWN) & MISC.
PENOBSCOT RIVER BRIDGE
PENOBSCOT RIVER BRIDGE STA. 18+70
PENOBSCOT CO. BANGOR TO BREWER
STATE OF MAINE
DEPT. OF TRANSPORTATION
STATE CONTRACT
OR REF. NO. BR-BRF-03B-1 (35) PIN 2672.00
CONTRACTOR REED & REED INC.
IN CHARGE: LANCO (WC) MADE BY: SJR DWG DATE: 2-22-96
CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 14 OF 77

NOV 25 1996



FED. ROAD DIV. NO.		STATE		FED. AID	
1 ME		BR-BRF-038-1		(35)	
BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM
ONE	GIA	GIRDER			20,648
1	a	R-44x16	29'9 1/2"	(T)	1
1	b	R-44x16	66'1 1/2"	(T)	1
1	c	R-16x1	32'9"	(T)	1
1	d	R-16x1	63'0 1/2"	(T)	1
1	e	R-26x26	32'9"	(T)	1
1	f	R-26x26	63'0 1/2"	(T)	1
2	x1b	R-39x1/2	1'6 1/2"	(T)	6
1	x1y	R-16x1/2	2'0 1/2"	(T)	6
2	x1aa	BAR-7x11	2'0 1/2"	(T)	6
1	x1ag	R-24x1/2	2'6 1/2"	(T)	6
2	x1ah	R-11x1/2	2'6 1/2"	(T)	6
1	x1ad	R-12x1/2	1'4"	(T)	6
1	x2a	BAR-8x3/4	3'8 1/2"		7
1	x1ak	BAR-8x3/4	3'8"		7
3	x4m	BAR-7x3/8	3'7 1/2"		7
1	x5a	BAR-7x3/8	3'6 1/2"		7
5	x5m	BAR-5x5/8	0'9"		7
2	3/8"	H.S. BOLT	0'3"	8" H. TOP FLG.	8
8	3/8"	H.S. BOLT	0'4"	8" H. BOT. FLG.	8
10		WASHERS FOR 3/8" BOLT			8

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

NOV 27 1996

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.

DATE: 11/27/96

DESIGN INFO	117-45	5/27/96
DESIGN INFO		3-25-96
NO.	REVISION	DATE

HIGH STEEL STRUCTURES, INC.

1710 Hampden Road
Lewiston, ME 04203
Phone: 207/259-5229

A Division of High Industries

GIRDER - GIA

PENOBSCOT RIVER BRIDGE

PENOBSCOT RIVER BRIDGE STA. 12+70

PENOBSCOT CO. BANGOR TO BREWER

STATE OF MAINE

DEPT. OF TRANSPORTATION

STATE CONTRACT BR-BRF-038-1 (35) PIN 2672.00

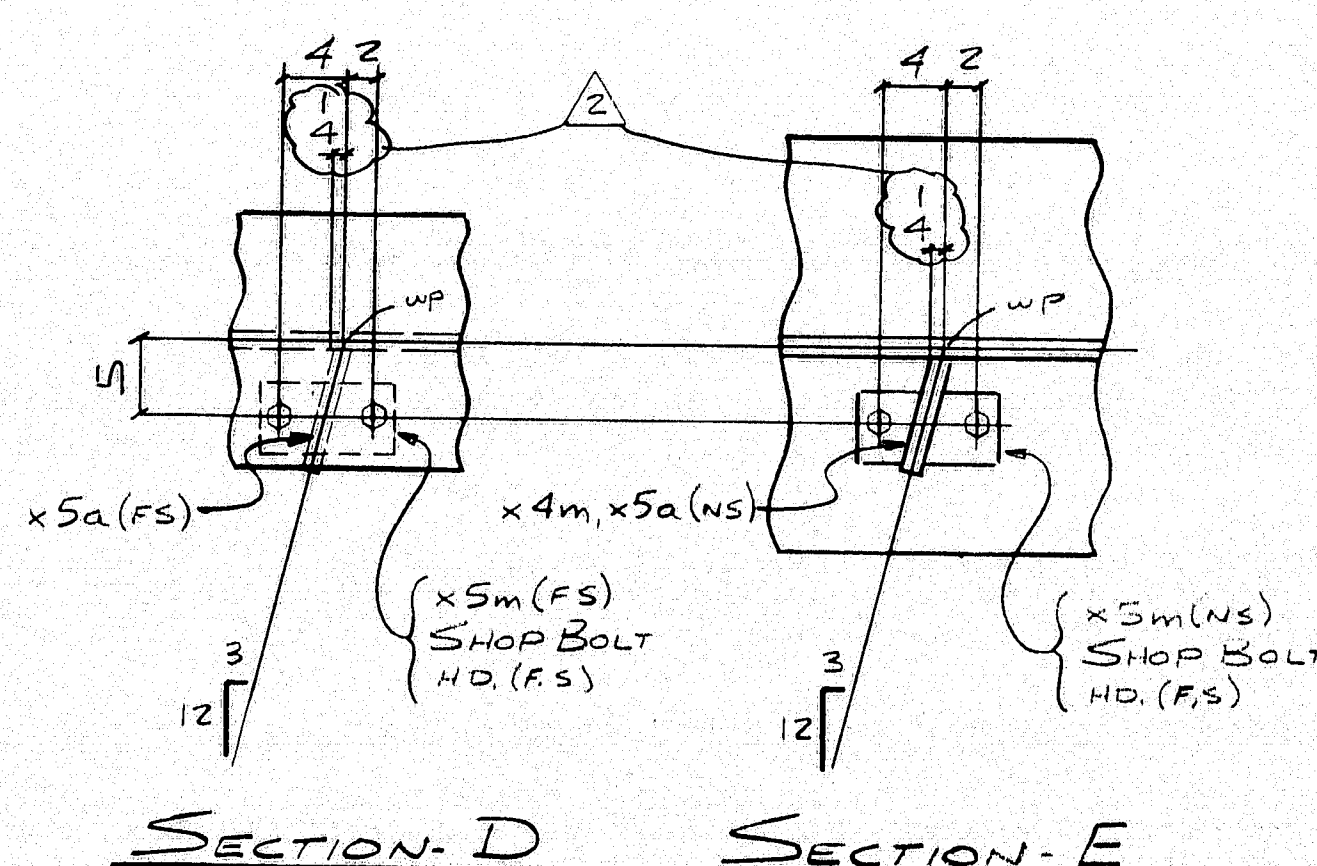
OR REF. NO.

CONTRACTOR: REED & REED, INC.

IN CHARGE: LANGE (WC) MADE BY: SJR CHK'D: DWG DATE: 2-21-96

CONTRACT NUMBER: ME-95293-1 DRAWING NUMBER: 15 OF 77

NOV 25 1996



SHOP NOTE

HOLES: 1 1/2"

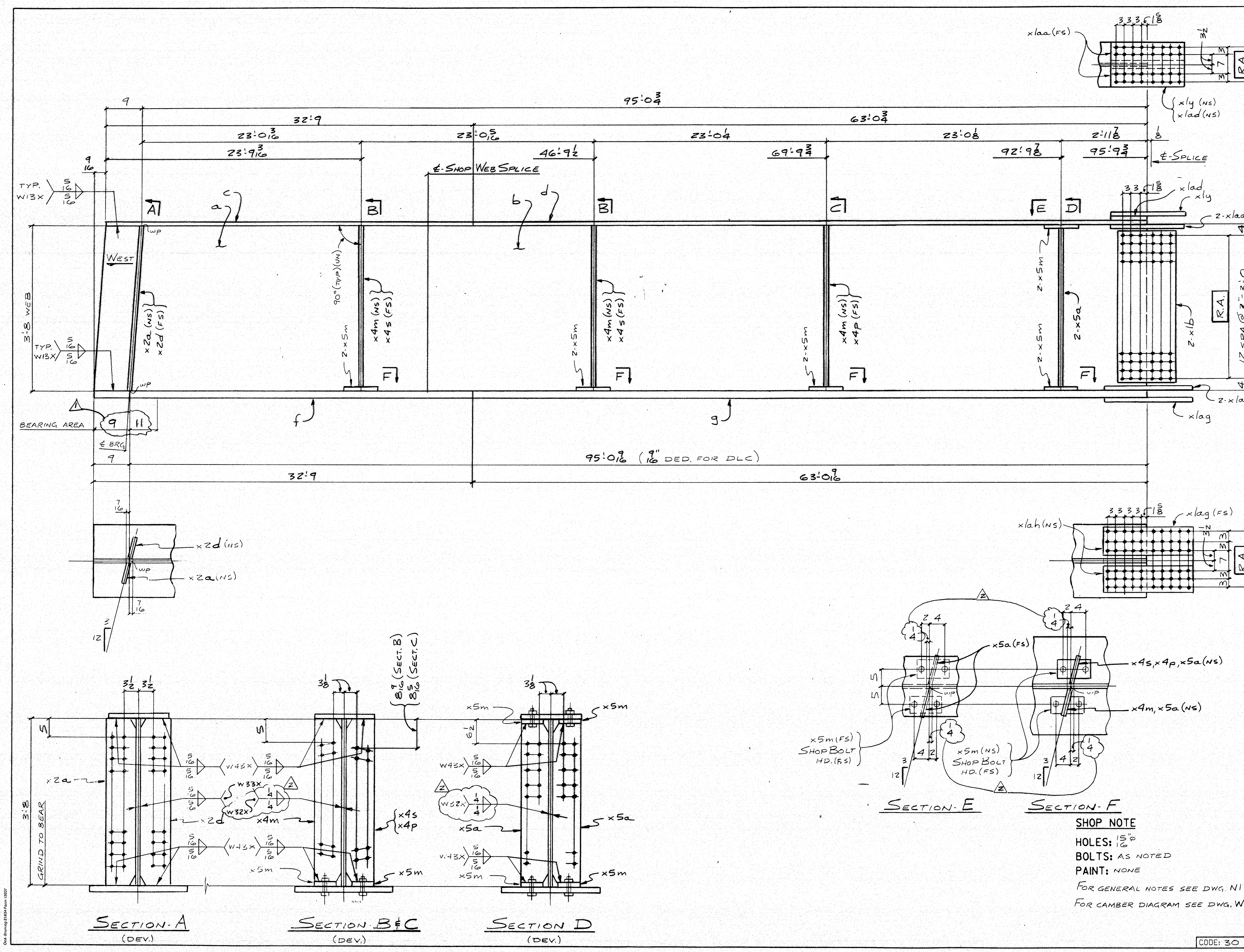
BOLTS: AS NOTED

PAINT: NONE

FOR GENERAL NOTES SEE DWG. N1

FOR CAMBER DIAGRAM SEE DWG. WC1

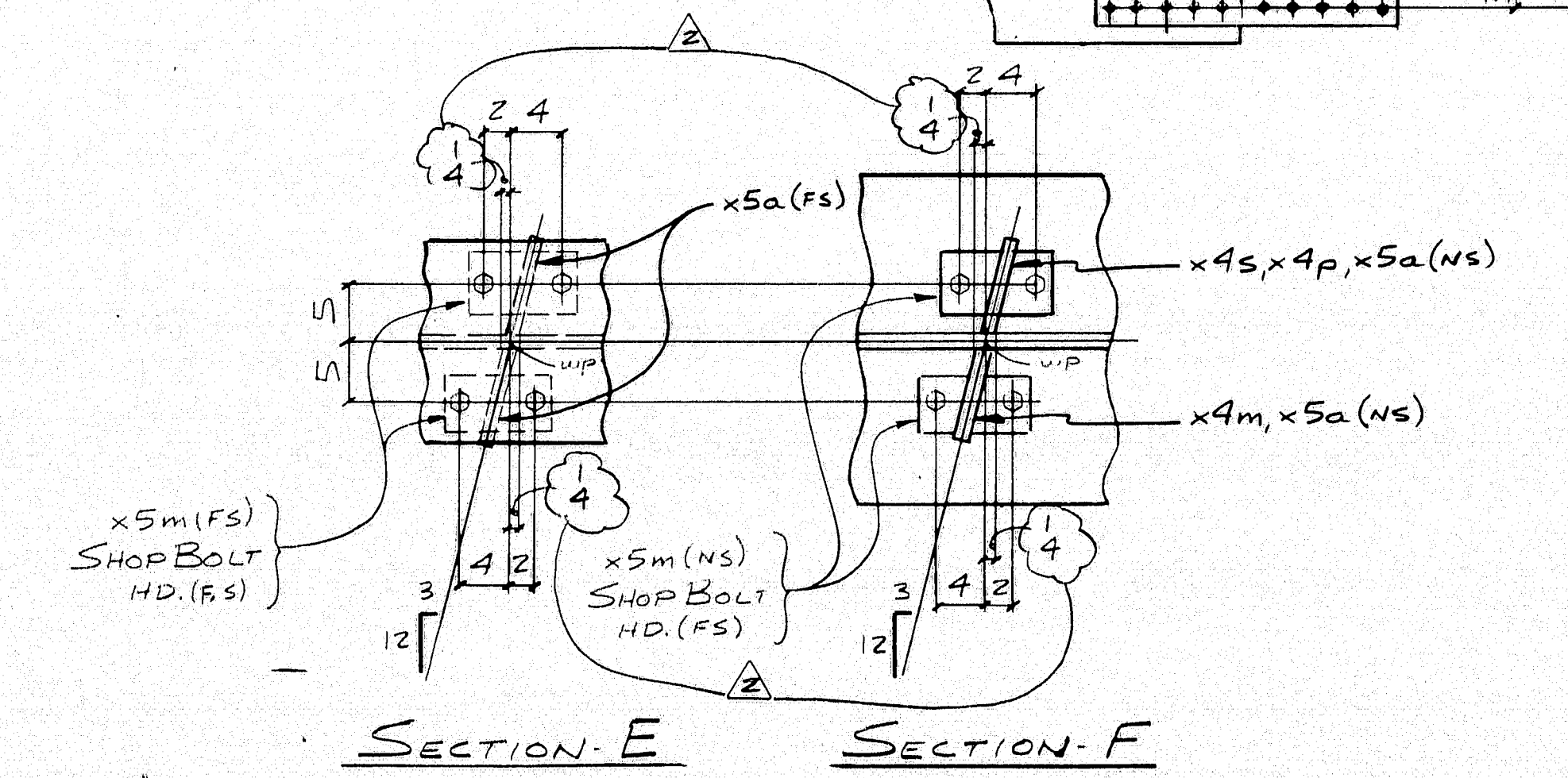
CODE: 30



FED. ROAD DIV. NO.	STATE	FED. AID DIST. NO.
1	ME	BR-BRF-038-1 (35)

BILL OF MATERIAL					
NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM WEIGHT
ONE	G2A	GIRDER			32.45
1	a	R-44x16	29 9 3/8 (T)		24
1	b	R-44x16	66 1 3/4 (T)		17
1	c	R-16x1	32 9 (T)		4 1/4
1	d	R-16x1	63 0 3/8 (T)		4 1/2
1	f	R-26x26	32 9 (T)		3 8
1	g	R-26x26	63 0 3/8 (T)		3 8
2	x/b	R-37x1/2	1 6 1/2 (T)		6 10
1	x/y	R-16x1/2	2 0 1/2 (T)		6 8
2	x/aa	BAR-7x1/2	2 0 1/2 (T)		6 5
1	x/ag	R-24x1/2	2 6 1/2 (T)		6 3
2	x/ah	R-11x1/2	2 6 1/2 (T)		6 2
1	x/ad	R-12x1/2	1 4		6 6
1	x/2a	BAR-8x3/4	3 8 1/2		7 3
1	x/2d	BAR-8x3/4	3 8 1/2		7 3
3	x/4m	BAR-7x1/2	3 7 3/4		7 8
1	x/4p		3 7 3/4		7 8
2	x/4s		3 7 3/4		7 8
2	x/5a	BAR-7x1/2	3 6 1/4		7 8
10	x/5m	BAR-5x3/8	0 9		7 10
4	7/8"	H.S. BOLT	0 3	3" E, TOP FLG.	8 1/2
16	7/8"	H.S. BOLT	0 4	3" E, BOT. FLG.	8 1/2
20		WASHERS FOR 7/8" BOLT			8 1/2

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION
☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED
NOV 27 1996
☐ RETURNED FOR CORRECTIONS ☐ REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105
OF STANDARD SPECIFICATIONS.
DATE: 11/27/96 BY: [Signature]



SHOP NOTE
HOLES: 15"
BOLTS: AS NOTED
PAINT: NONE
FOR GENERAL NOTES SEE DWG. N1
FOR CAMBER DIAGRAM SEE DWG. WCI

DESIGN INFO	117-46	5/24/96
DESIGN INFO		3-25-96
NO.	REVISION	DATE
HIGH STEEL STRUCTURES, INC. 1770 Hempstead Road Lancaster, PA 17605-0208 Phone 717/299-5378 A Division of High Industries, Inc.		
GIRDER ~ G2A PENOBSCOT RIVER BRIDGE PENOBSCOT RIVER BRIDGE STA. 18+70 PENOBSCOT CO., BANGOR TO BREWER STATE OF MAINE DEPT. OF TRANSPORTATION STATE CONTRACT OR REF. NO. BR-BRF-038-1(35) PIN 2672.00 CONTRACTOR REED & REED, INC. IN CHARGE LANGE (WC) BY S.J.R. DATE 2-21-96 CONTRACT NUMBER ME-95393-1 DRAWING NUMBER 16 OF 77		

NOV 27 1996

