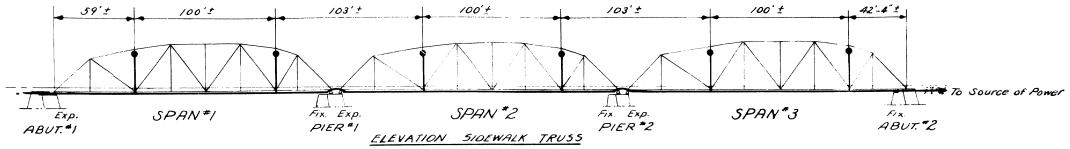
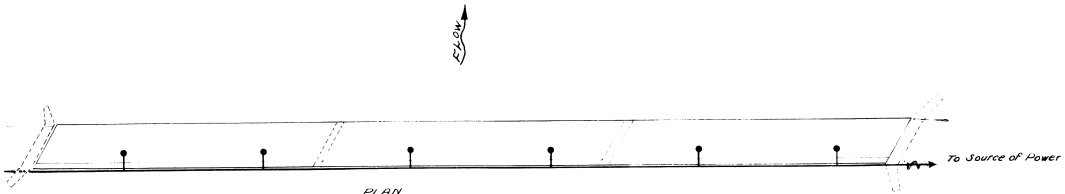
NOTES:
1. Feeder Conduit to be 1½" galvanized Rigid Conduit.
2. Branch Conduit to be 1½" " " "
3. Pull wires to be installed in all conduits.
4. All Conduits buried in earth to be painted with 2 coats of asphaltic paint.
5. Feeder Conduits to be provided with a drain hole every 100 feet.
6. All conduits and fitting are those listed in the following Catalogs.
   Wesco Catalog No. 100 (1949)
   Crouse-Hinds Catalog No. 3300 (1952)
   General Electric Catalog No. 3010 (1948)
   References to Catalog number serve as a guide. Substitutions may be made provided they are equivalent, Underwriters Laboratories Inc. approved, and approved by the engineer.
7. Luminaires will be supplied by others.

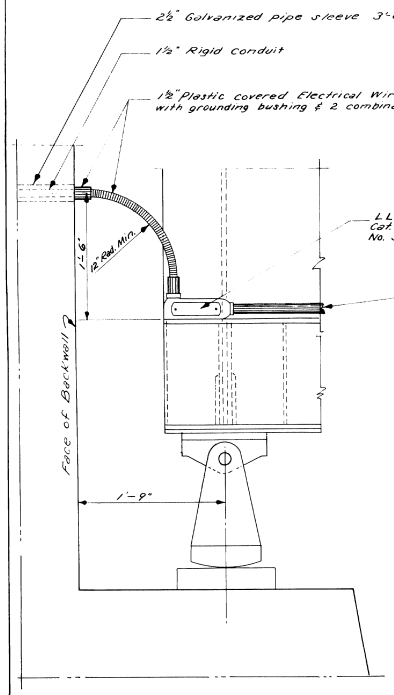
● Type 79R PENDANT LUMINAIRE for Type III Distribution 6000 lumen G.E. Holophane C-Symetric Refractor Globe Cat. No. A4G75 Mounting Height 25', Overhang from curb 5'-0" & Required. Average Foot-Candles .61 Maintained.



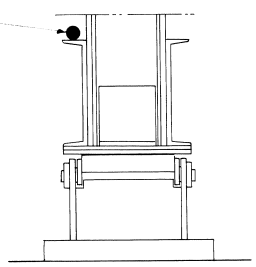
ELEVATION SIDEWALK TRUSS

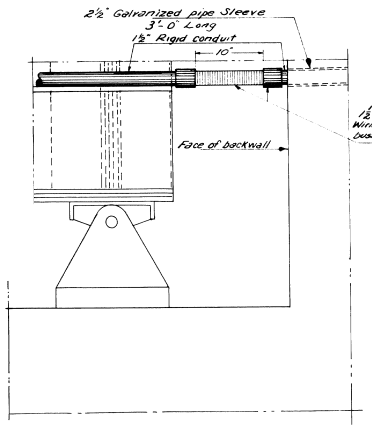


PLAN
LIGHT and CONDUIT LOCATION

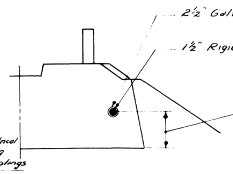


CONDUIT INSTALLATION at ABUTMENT NO. 1





CONDUIT ENTRANCE THROUGH BACKWALL at ABUTMENT NO. 2



The exact location of the conduit shall be determined in the field. The conduit passing through the backwall shall be located so that the bottom of the conduit will be in the same horizontal plane as the outside top flange of the bottom cord.

CONDUIT and PIPE SLEEVE - ABUT NO. 2

DESIGN - MURRELL TRACE - MCDOUGAL CHECK - Hersum	BRIDGE - 3248

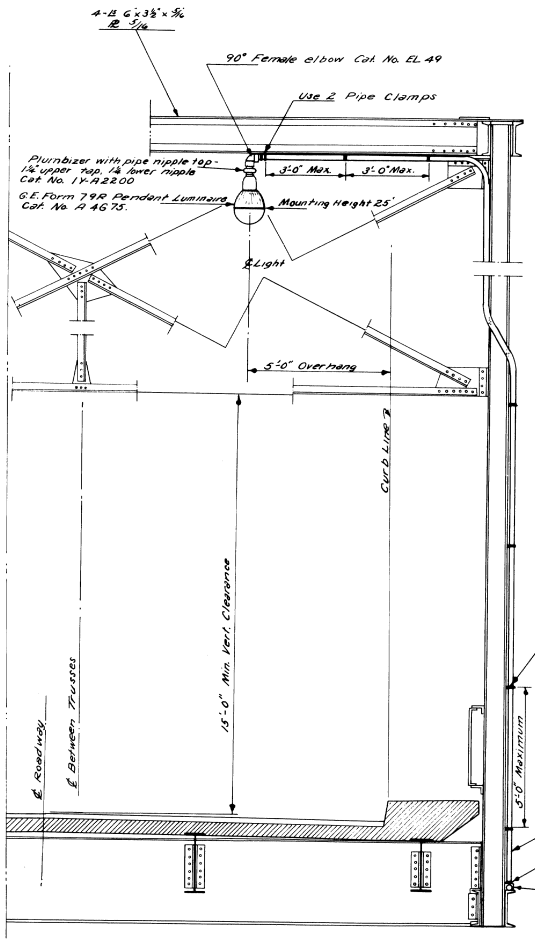
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
LAYOUT & CONDUIT DETAIL

SHEET 1 OF 2 AUGUSTA, MAINE APRIL 1955

60-108

0 1 2 3 4 5 INCHES



TYPICAL CONDUIT and LUMINAIRE INSTALLATION

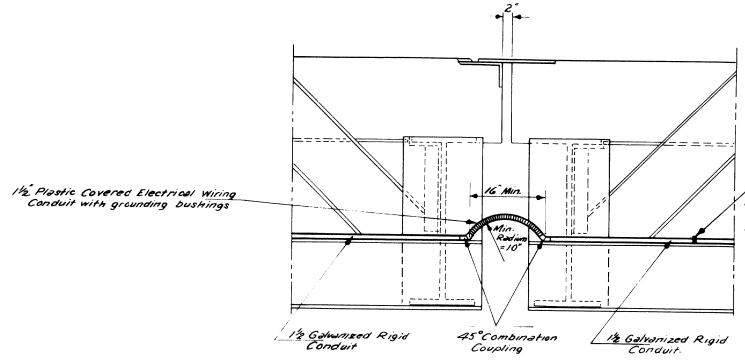
CONDUIT CLAMPING

Steel City 1- Hole Malleable Iron Pipe Strap No. 179 with 3/8" hole
5/16" Galvanized Hex-head machine bolt with galvanized lockwasher and nut. Conduit clamps to be spaced a maximum of 5'-0".

1¼" Galvanized Rigid Conduit.

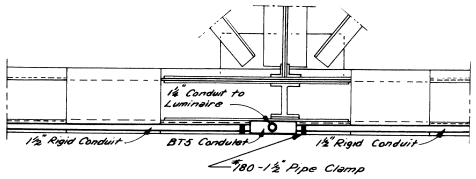
Threaded Condulet Reducer-1½ x 1¼ Cat. No. RE54.

Mogul Condulet Cat. No. BT5
Blank Cover- Cast Feroloy with Gasket Cat. No. BG-68.



CONDUIT CLAMPING
Use Steel City 1-Hole Malleable Iron Pipe Strap #180 with 3/8" hole.
5/16" Galvanized Hex. Head machine bolt with galvanized lockwasher and nut.
Conduit clamps to be spaced a maximum of 5'-0".
Do not clamp any portion of flexible conduit or their fittings.

CONDUIT EXPANSION DETAILS at PIERS 1 and 2



PLAN VIEW-TYPICAL CONDUIT INSTALLATION on BOTTOM CHORD

DESIGN-MURRELL
TRACE-MCDOUGAL
CHECK-

BRIDGE-3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

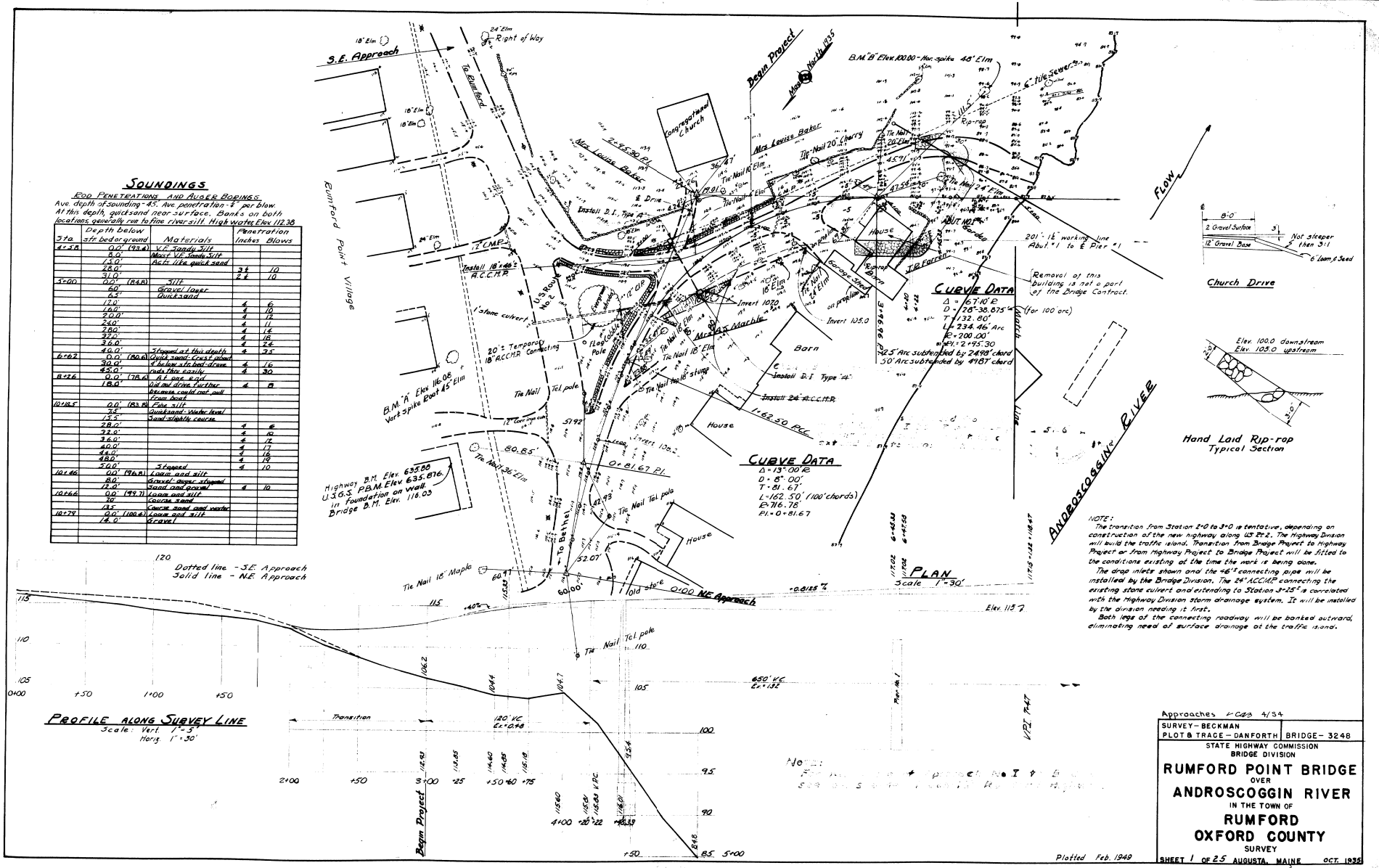
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

CONDUIT DETAIL

SHEET 2 OF 2 AUGUSTA, MAINE APRIL 1935

60-109

0 1 2 3 4 5 INCHES



Soundings

Rod Penetrations and Auger Borings

Ave. depth of sounding - 45'. Ave. penetration - ¾" per blow. At this depth, quicksand near surface. Banks on both locations, generally run to fine river silt. High water Elev. 112.38

Sta.	Depth below str. bed or ground	Materials	Penetration Inches	Penetration Blows
4+58	0.0' (93.4)	V.F. Sandy Silt		
	8.0'	Moist V.F. Sandy Silt		
	15.0'	Acts like quick sand		
	28.0'		3½	10
	31.0'		2½	10
5+00	0.0' (84.8)	Silt		
	6.0'	Gravel layer		
	6.5'	Quicksand		
	12.0'		4	6
	16.0'		4	10
	20.0'		4	12
	24.0'		4	11
	28.0'		4	14
	32.0'		4	18
	36.0'		4	24
	40.0'	Stopped at this depth	4	25
6+62	0.0' (80.6)	Quick sand - Crust about		
	30.0'	4' below str. bed - drove	4	16
	45.0'	rods thru easily	4	30
8+26	0.0' (78.6)	At one end		
	18.0'	Did not drive further	4	8
		because could not pull		
		from boat		
10+18.5	0.0' (83.8)	Fine silt		
	7.5'	Quicksand - Water level		
	15.5'	Sand - slightly coarse		
	28.0'		4	6
	32.0'		4	10
	36.0'		4	12
	40.0'		4	17
	44.0'		4	16
	48.0'		4	19
	50.0'	Stopped	4	10
10+46	0.0' (96.8)	Loam and silt		
	8.0'	Gravel - auger stopped		
	12.0'	Sand and gravel	4	10
10+66	0.0' (99.7)	Loam and silt		
	7.0'	Course sand		
	13.5'	Course sand and water		
10+79	0.0' (100.4)	Loam and silt		
	14.0'	Gravel		

NOTE:

The transition from Station 2+0 to 3+0 is tentative, depending on construction of the new highway along US Rt 2. The Highway Division will build the traffic island. Transition from Bridge Project to Highway Project or from Highway Project to Bridge Project will be fitted to the conditions existing at the time the work is being done.

The drop inlets shown and the 46'± connecting pipe will be installed by the Bridge Division. The 24" A.C.C.M.P. connecting the existing stone culvert and extending to Station 3+25± is correlated with the Highway Division storm drainage system. It will be installed by the division needing it first.

Both legs of the connecting roadway will be banked outward, eliminating need of surface drainage at the traffic island.

Approaches LCAS 4/54

SURVEY - BECKMAN	
PLOT & TRACE - DANFORTH	BRIDGE - 3248

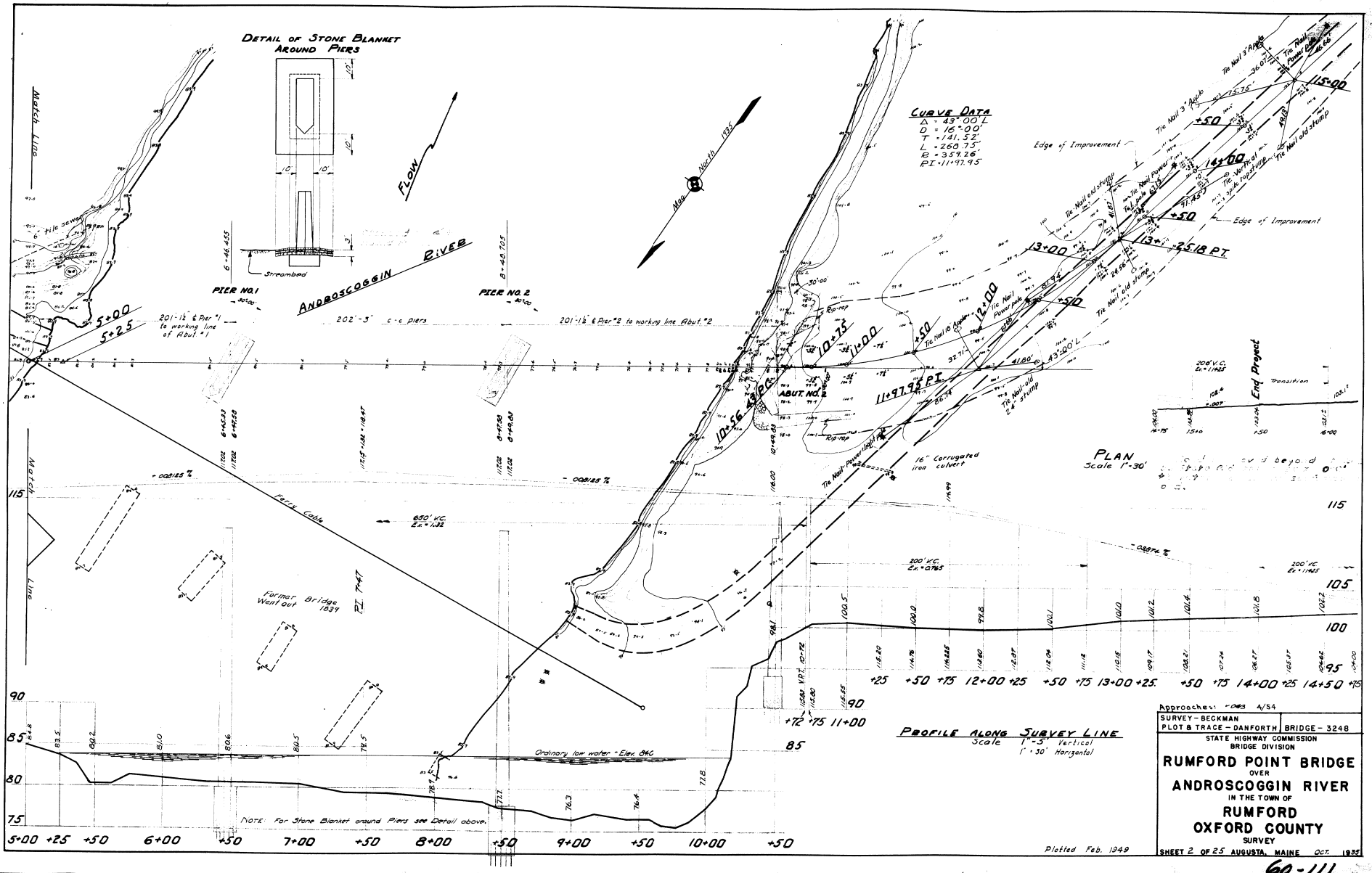
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
SURVEY

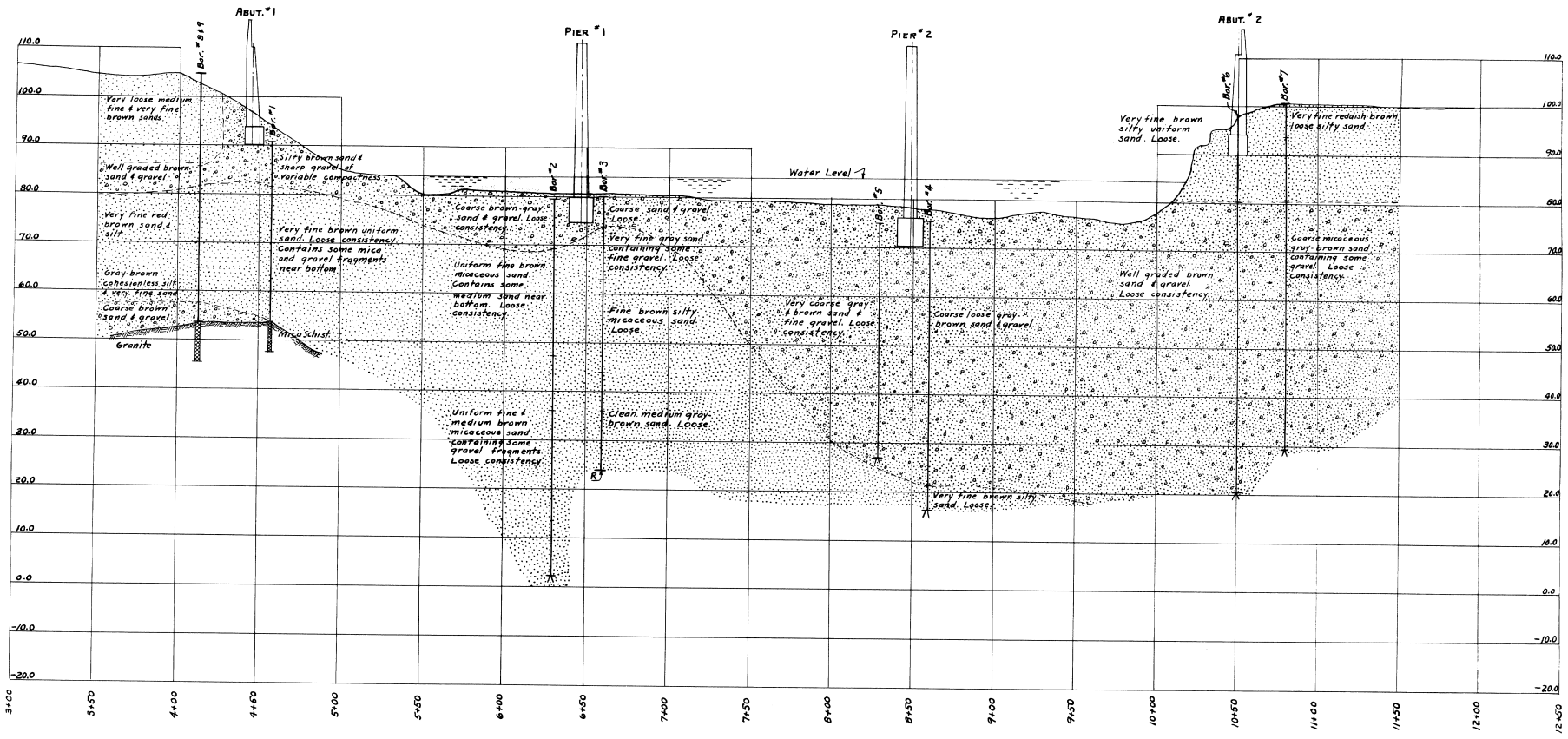
SHEET 1 OF 25 AUGUSTA, MAINE OCT. 1935

60-110

0 1 2 3 4 5 INCHES



DETAIL OF STONE BLANKET AROUND PIERS
FLOW
ANDROSCOGGIN RIVER
PIER NO. 1
PIER NO. 2
ABUT. NO. 2
Match Line
Ferry Cable
Former Bridge Went out 1839
Ordinary low water - Elev. 84.0
NOTE: For Stone Blanket around Piers see Detail above.
CURVE DATA
Δ = 43°-00' L
D = 16°-00'
T = 141.52'
L = 268.75'
R = 359.26'
P.I. = 11+97.95
Edge of Improvement
PLAN
Scale 1"=30'
PROFILE ALONG SURVEY LINE
Scale 1"=5' Vertical
1"=30' Horizontal
Approaches: -043 A/54
SURVEY - BECKMAN
PLOT & TRACE - DANFORTH
BRIDGE - 3248
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
SURVEY
SHEET 2 OF 25 AUGUSTA, MAINE OCT. 1935
Plotted Feb. 1949
60-111



PROFILE

HOR. SCALE 1" = 30 FT.
VERT. " 1" = 10 FT.

SOILS ENGINEER – H. GRAY TRACE-WELCH

BRIDGE – 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

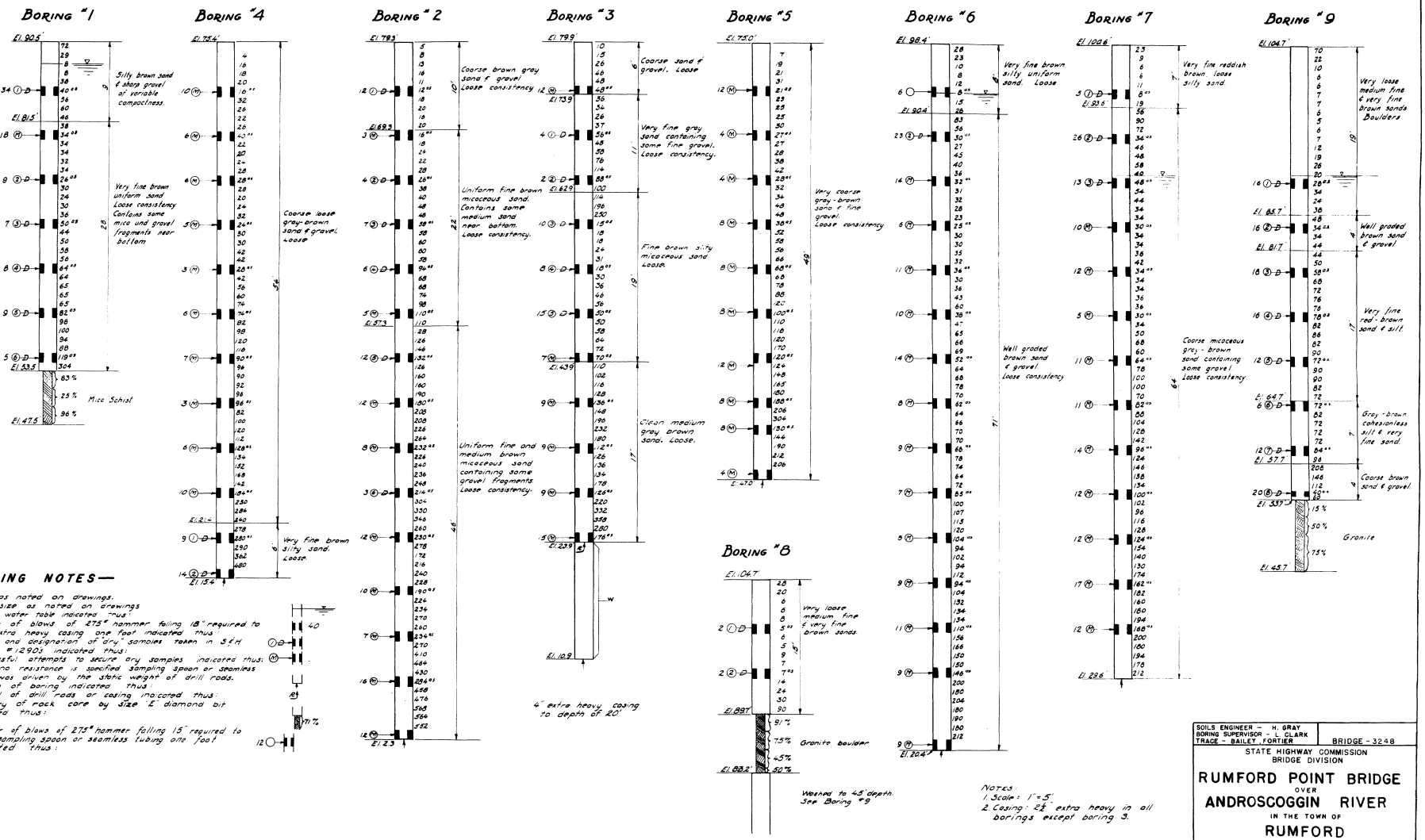
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

GENERAL PROFILE & BORINGS

SHEET 3 OF 25 AUGUSTA, MAINE APRIL 1954

60-112

0 1 2 3 4 5 INCHES



— BORING NOTES —

1. Scales as noted on drawings.
2. Casing size as noted on drawings
3. Ground water table indicated thus:
4. Number of blows of 275# hammer falling 18" required to drive extra heavy casing one foot indicated thus:
5. Location and designation of "dry" samples taken in S&H sampler #1290's indicated thus:
6. Unsuccessful attempts to secure dry samples indicated thus:
7. Where no resistance is specified sampling spoon or seamless tubing was driven by the static weight of drill rods.
8. Bottom of boring indicated thus:
9. Refusal of drill rods or casing indicated thus:
10. Recovery of rock core by size "E" diamond bit indicated thus:
11. Number of blows of 275# hammer falling 15" required to drive sampling spoon or seamless tubing one foot indicated thus:

Notes:
1. Scale: 1" = 5'
2. Casing: 2½" extra heavy in all borings except boring 3.

SOILS ENGINEER — H. GRAY
BORING SUPERVISOR — L. CLARK
TRACE — BAILEY, FORTIER

BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

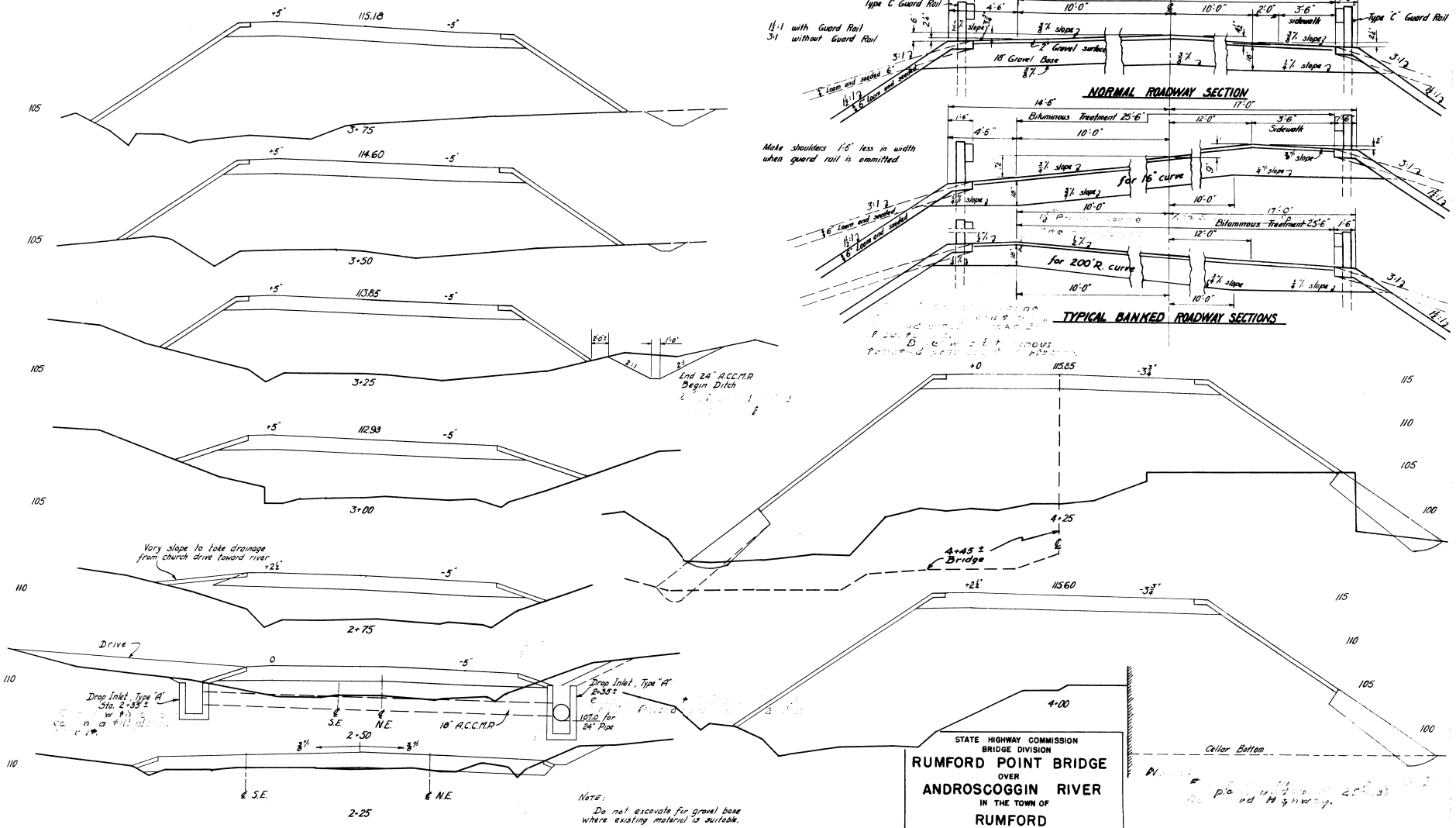
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

— WASH BORING LOGS —

SHEET 4 OF 25 AUGUSTA, MAINE APRIL 1954

60-113

0 1 2 3 4 5 INCHES



STATE HIGHWAY COMMISSION
BRIDGE DIVISION

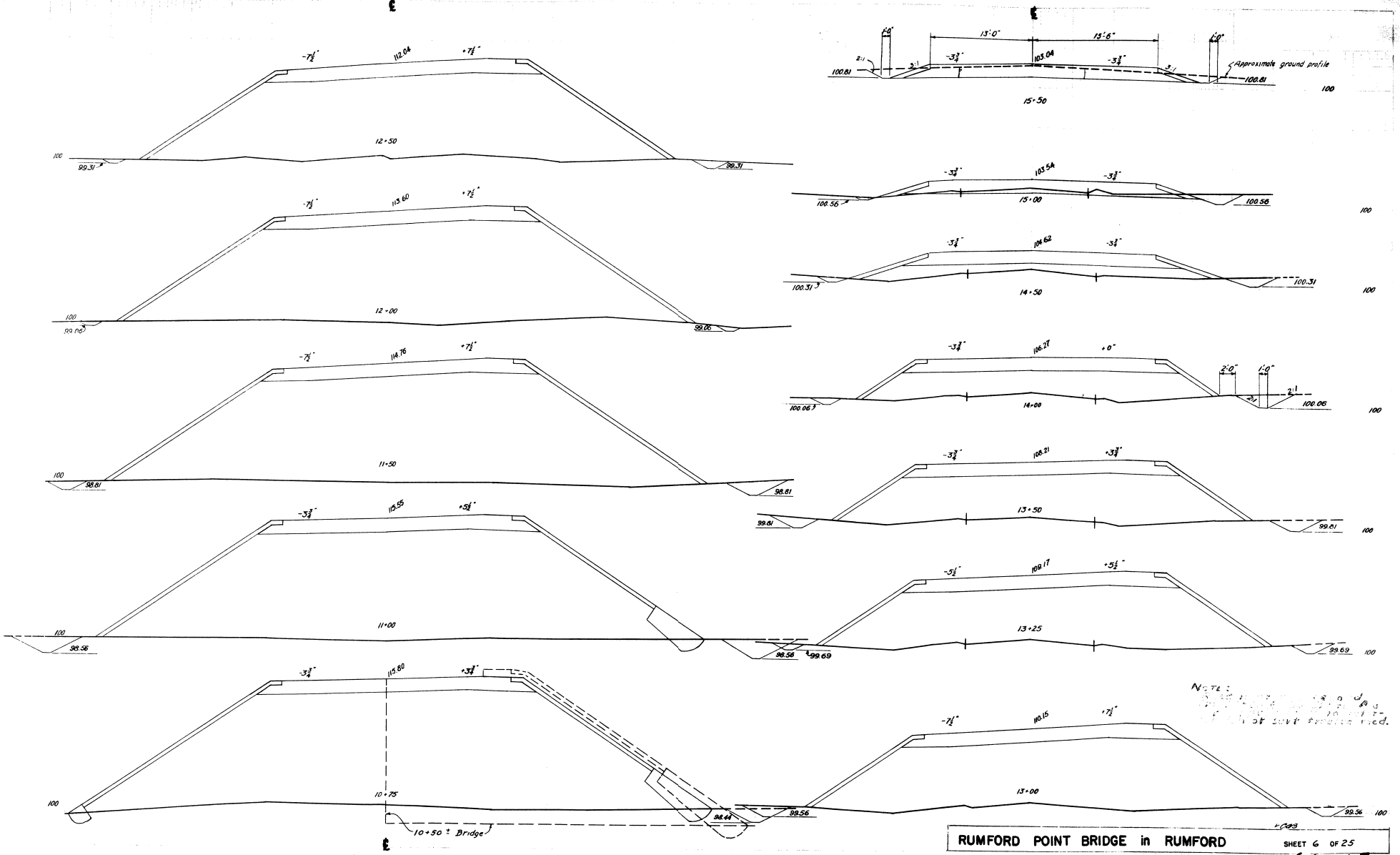
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
X-SECTIONS

SHEET 5 OF 25 AUGUSTA, MAINE MAR. 1954

PLOT - FORTIER
TRACE - FOSTER
CHECK - [illegible]

BRIDGE - 3248

60-114

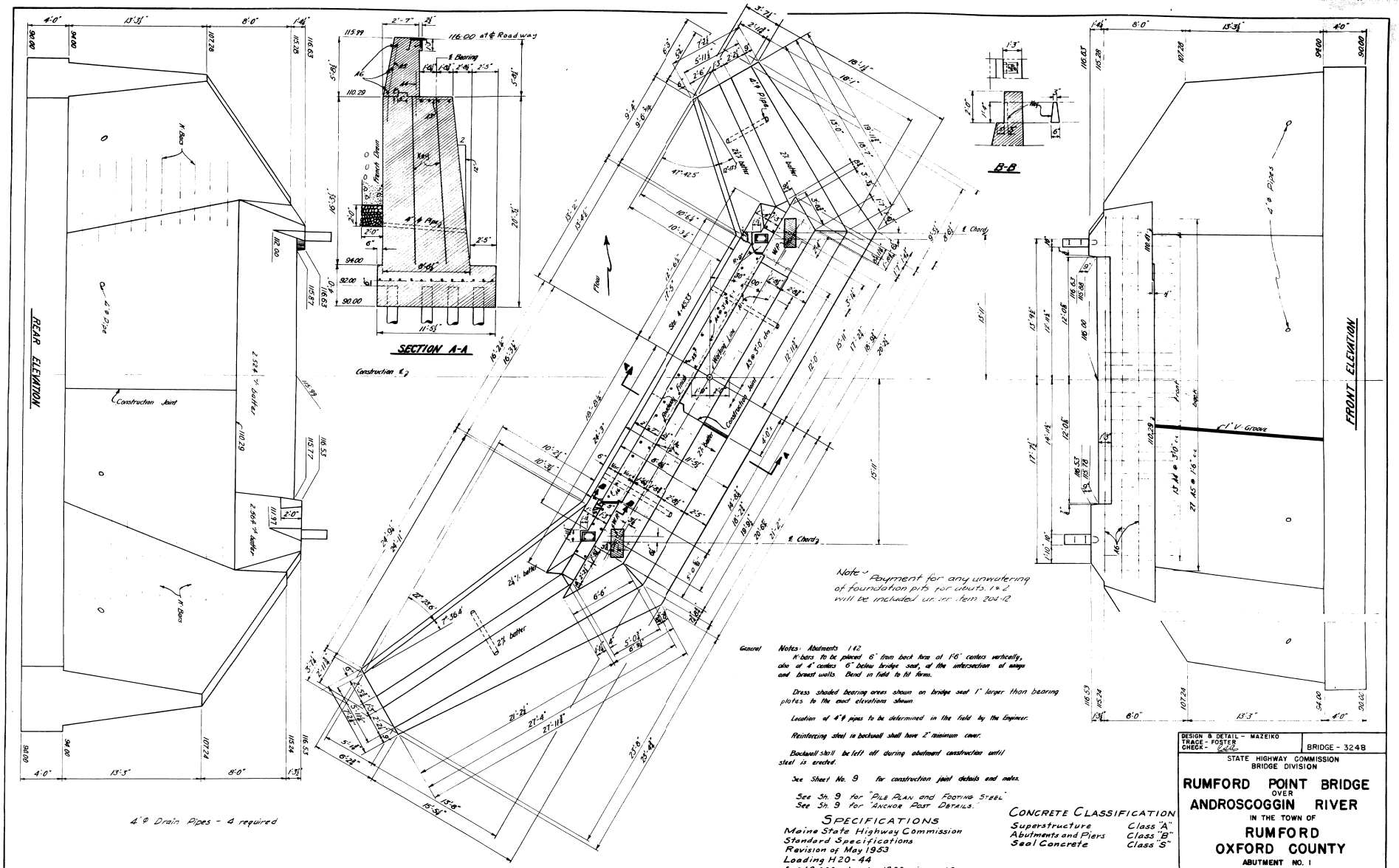


RUMFORD POINT BRIDGE in RUMFORD

SHEET 6 OF 25

60-115

0 1 2 3 4 5 INCHES



Note - Payment for any unwatering of foundation pits for abuts. 1 & 2 will be included under item 204-12

General Notes: Abutments 1 & 2

K-bars to be placed 6" from back form at 1'-6" centers vertically, also at 4" centers 6" below bridge seat, at the intersection of wings and breast walls. Bend in field to fit forms.

Dress shaded bearing areas shown on bridge seat 1" larger than bearing plates to the exact elevations shown.

Location of 4" ϕ pipes to be determined in the field by the Engineer.

Reinforcing steel in backwall shall have 2" minimum cover.

Backwall shall be left off during abutment construction until steel is erected.

See Sheet No. 9 for construction joint details and notes.

See Sh. 9 for "Pile Plan and Footing Steel"
See Sh. 9 for "Anchor Post Details."

Specifications

Maine State Highway Commission
Standard Specifications
Revision of May 1953
Loading H20-44
f_s = 18,000 psi. f_c = 1200 psi. n = 10

Concrete Classification

Superstructure	Class "A"
Abutments and Piers	Class "B"
Seal Concrete	Class "S"

DESIGN & DETAIL - MAZEIKO
TRACE - FOSTER
CHECK - [illegible]

BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

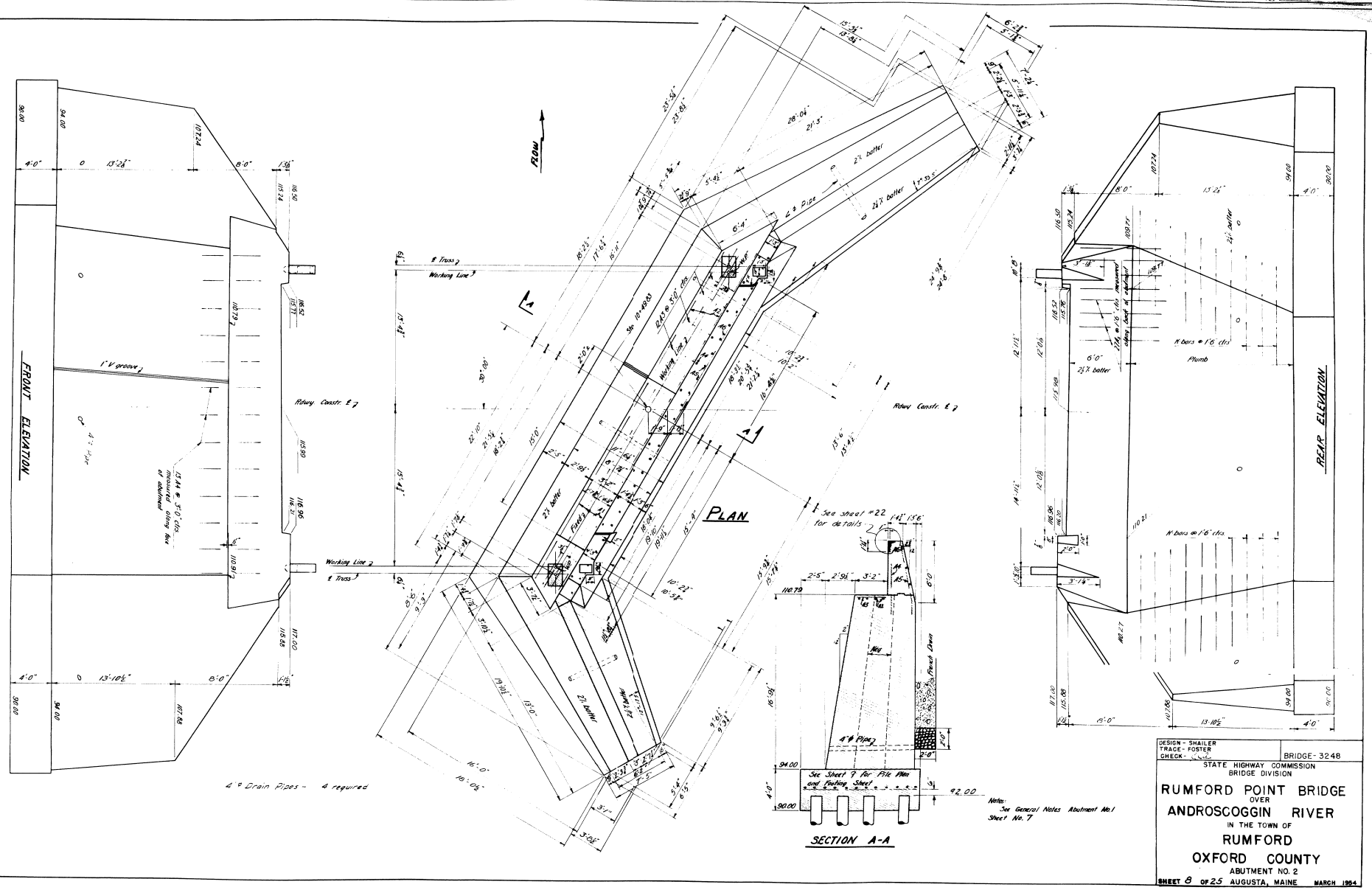
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

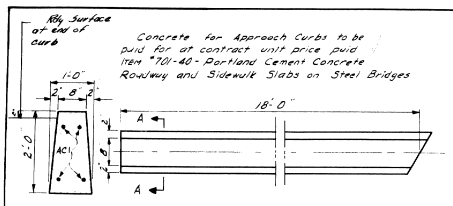
ABUTMENT NO. 1

SHEET 7 OF 25 AUGUSTA, MAINE MARCH 1954

60-116

0 1 2 3 4 5 INCHES

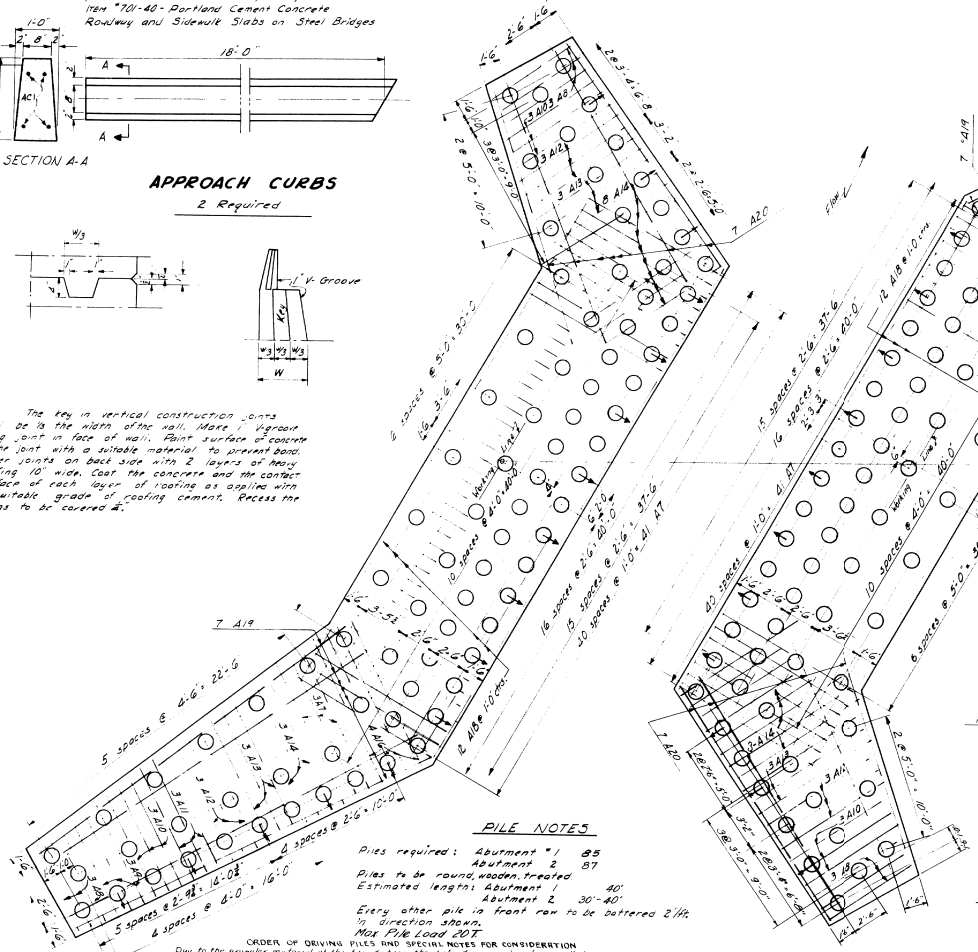

FRONT ELEVATION
PLAN
REAR ELEVATION
SECTION A-A
FLOW
℄ Truss
Working Line
Rdway Constr. ℄
1" V groove
13-#4 @ 3'-0" ctrs. measured along face of abutment
23% batter
2% batter
2½% batter
Fixed
Exp.
Sta. 10+40.63
10-#5 @ 3'-0" ctrs.
2-#4 @ 1'-6" ctrs. measured along back of abutment
K bars @ 1'-6" ctrs.
Plumb
See sheet #22 for details
See Sheet 7 for Pile Plan and Footing Sheet
4"ø Pipe
Fresh Dam
4"ø Drain Pipes - 4 required
Notes:
See General Notes Abutment No. 1 Sheet No. 7
DESIGN - SHAILER
TRACE - FOSTER
CHECK -
BRIDGE - 3248
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
ABUTMENT NO. 2
SHEET 8 OF 25
AUGUSTA, MAINE
MARCH 1964
60-117
0 1 2 3 4 5 INCHES



APPROACH CURBS

2 Required

The key in vertical construction joints shall be 1/3 the width of the wall. Make 1" V-groove along joint in face of wall. Paint surface of concrete in the joint with a suitable material to prevent bond. Cover joints on back side with 2 layers of heavy roofing 10" wide. Coat the concrete and the contact surface of each layer of roofing as applied with a suitable grade of roofing cement. Recess the areas to be covered ⅛".



PILE NOTES

Piles required: Abutment #1 85
Abutment 2 87

Piles to be round, wooden, treated
Estimated length: Abutment 1 40'
Abutment 2 30'-40'

Every other pile in front row to be battered 2"/ft. in direction shown.

Max. Pile Load 20T.

ORDER OF DRIVING PILES AND SPECIAL NOTES FOR CONSIDERATION

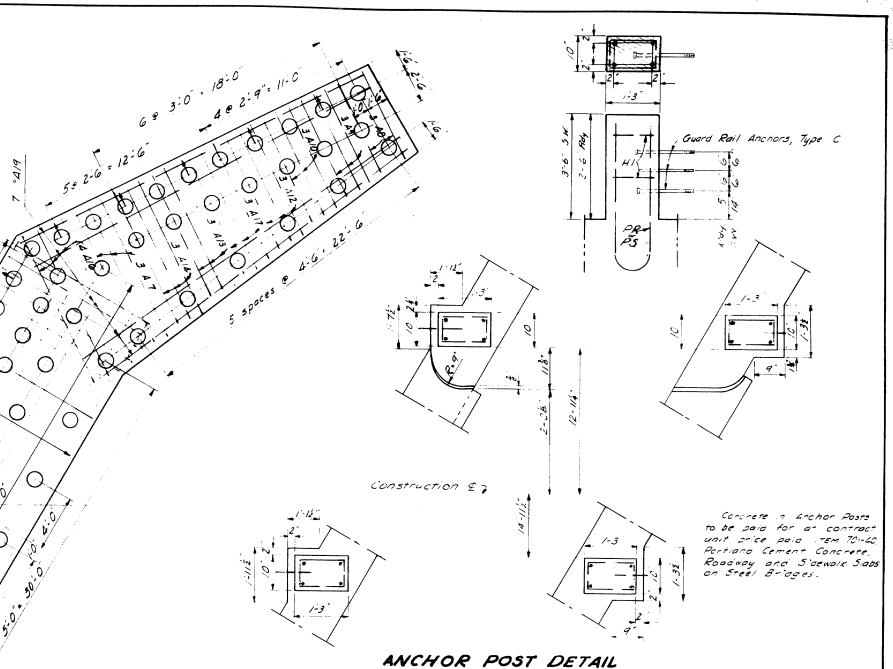
Due to the granular material of the foundation the pile driving operation will have a tendency to compact the ground so that the first piles driven may be expected to penetrate to somewhat greater depths than those driven later.

The order of driving piles in each foundation shall be:

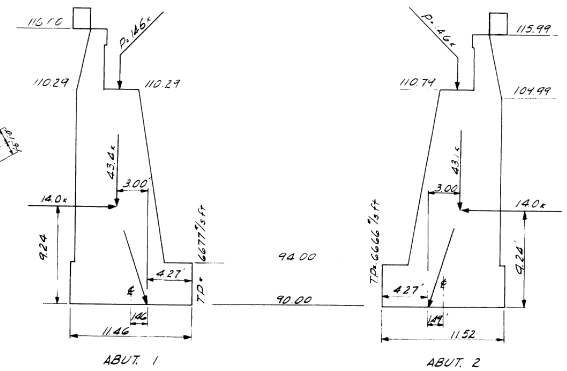
1. Alternate piles at various locations of the unit until about one-half the piles for the unit are driven.
2. The remaining piles.

In each of the above steps piles in the front row shall be driven first.

PILE PLAN AND FOOTING STEEL - ABUTMENTS



ANCHOR POST DETAIL



ABUTMENT ANALYSIS

DESIGN - MAZEIKO, SHAILER DETAIL & TRACE - MAZEIKO CHECK -	BRIDGE 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

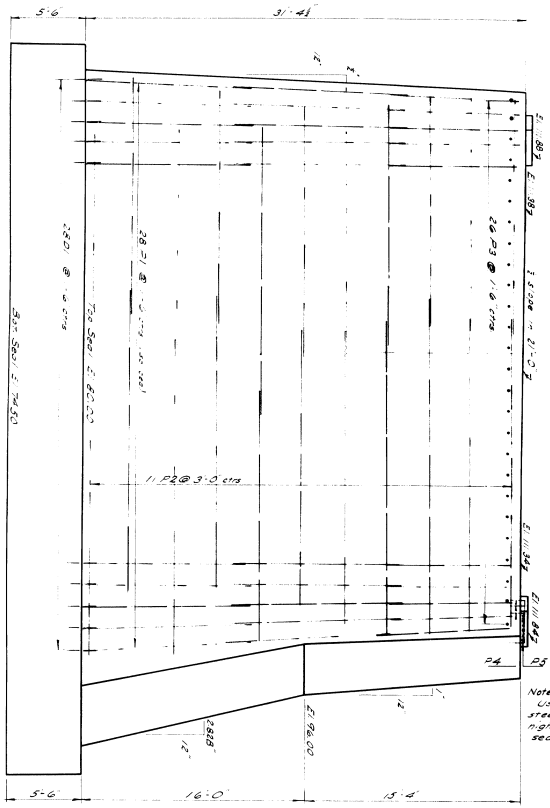
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN
RUMFORD
OXFORD COUNTY

PILE PLAN-ABUTMENTS

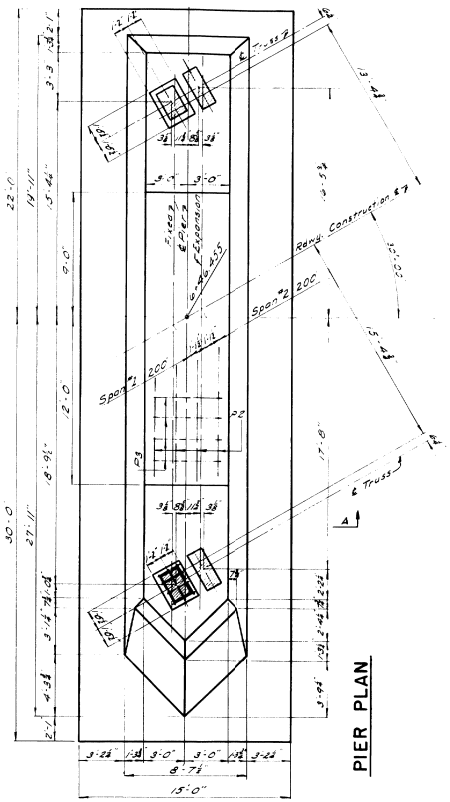
SHEET 9 OF 25 AUGUSTA, MAINE APRIL 1954

60-418

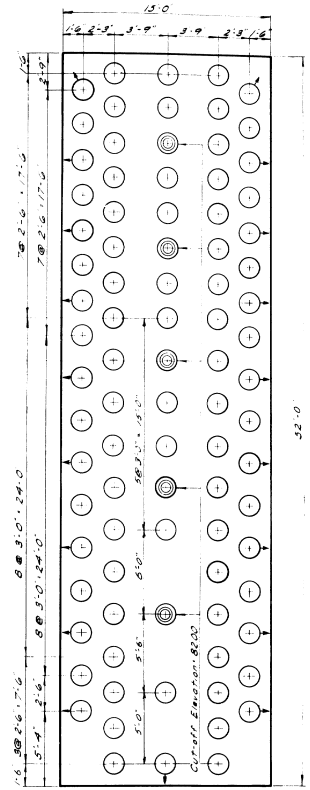
0 1 2 3 4 5 INCHES



SIDE ELEVATION

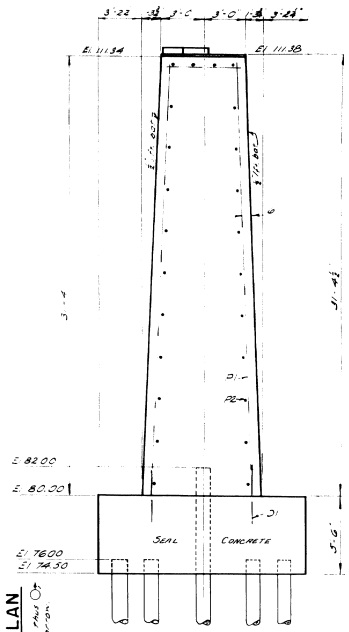


PIER PLAN



PILE PLAN

Borer piles shown thus ⊙
2'-11" or 6'-6" or 8'-0"



SECTION A-A

Note: Dress shaded areas on bridge seats to exact elevations shown, larger than bearing plates.

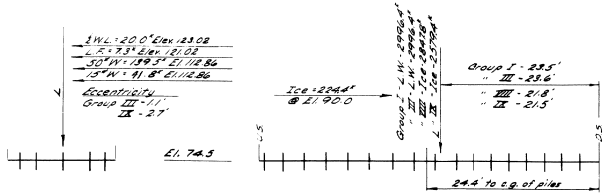
Place steel in top of pier so that it will not interfere with the anchor bolts.

Piles to be round, wooden, untreated

Estimated length 30'-40' feet

Maximum pile load 20 T.

Superstructure Live Loads
Fixed DS - 72.6T
US - 55.4
Exp. DS - 102.1
US - 78.0
Superstructure Dead Loads
Fixed DS - 250.3T
US - 270.3
Exp. DS - 238.4
US - 263.3
Pier Dead Loads
F.W. 96.0 - 1,458.3
Ice 90.0 - 1,376.9
L.W. 84.0 - 1,285.8



PIER ANALYSIS

GROUP	LOADS	STRESS	ALLOW.
I L.W.	D+L+B	18.6T	20T
III L.W.	Group I+L.F.+B+W+W.L.	24.1T	25T
VIII	Group I + Ice	20.5T	28T
IX	Group II + Ice	19.4T	30.0T

NOTES

ORDER OF DRIVING PILES AND SPECIAL NOTES FOR CONSIDERATION

Due to the granular material of the foundation the pile driving operation will have the tendency to compact the ground so that the first piles driven may be expected to penetrate to somewhat greater depths than those driven later.

The order of driving piles in each foundation shall be:

1. Alternate piles of various locations of the unit until about one-half of the piles for the unit are driven.
2. The remaining piles.

In each of the above steps, piles in the outside rows shall be driven first.

Stone Blanket around Piers - See Detail on Survey Sheet.

DESIGN - SHAILER
TRACE - GRAY
CHECK

BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

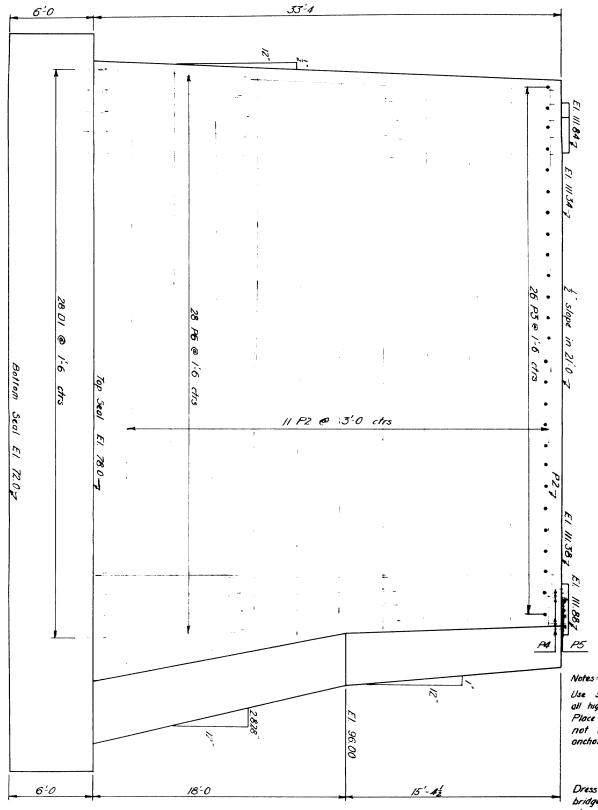
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

PIER NO. 1

SHEET 10 OF 25 AUGUSTA, MAINE MAR. 1954

60-119

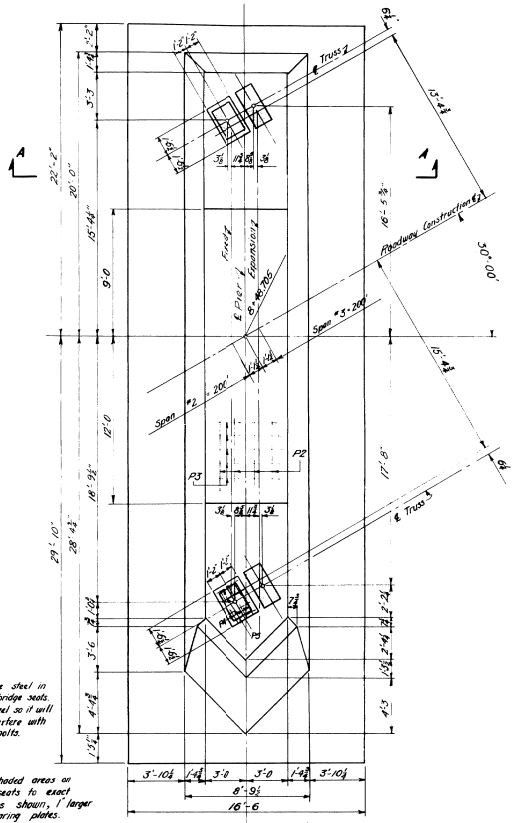
0 1 2 3 4 5 INCHES



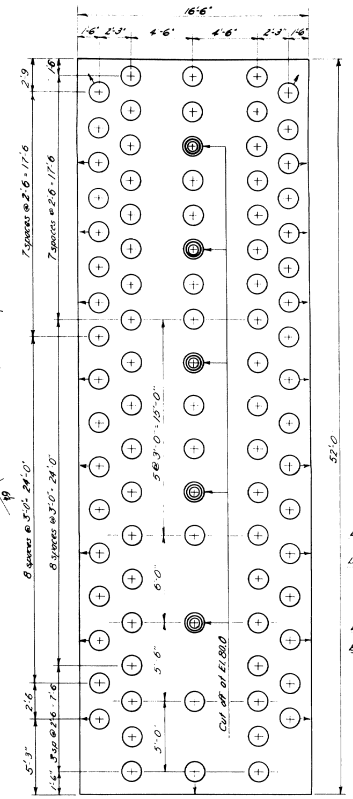
SIDE ELEVATION

Notes:
Use same steel in all high bridge seats. Place steel so it will not interfere with anchor bolts.

Dress shaded areas on bridge seats to exact elevations shown, 1" larger than bearing plates.



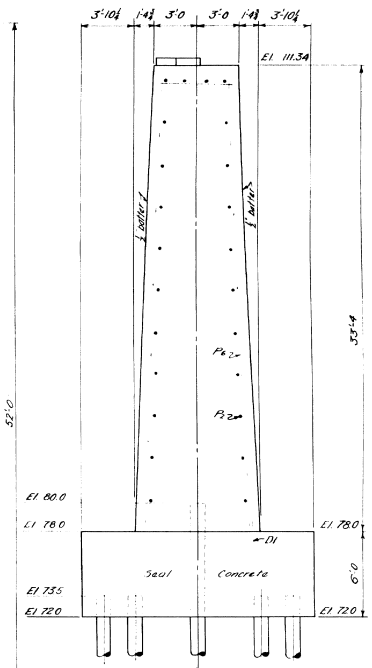
PLAN PIER #2



PILE PLAN

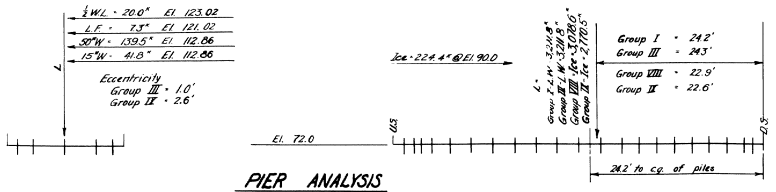
Batter piles shown thus, ⊕→, 2"/ft in direction of arrow.

See Note on Sheet 10 for Pile & Stone Blanket Data.
Piles to be round, wooden, untreated.
Estimated length 30-40 ft
Maximum pile load 20 T.



SECTION A-A

Superstructure Live Loads
Fixed D.S. - 72.6"
Fixed U.S. - 55.4"
Expansion D.S. - 102.1"
Expansion U.S. - 78.0"
Superstructure Dead Loads
Fixed D.S. - 230.3"
Fixed U.S. - 270.3"
Expansion D.S. - 238.4"
Expansion U.S. - 263.5"
Pier Dead Loads
H.W. 96.0 - 1,647.4"
Ice 90.0 - 1,768.0"
L.W. 84.0 - 1,901.2"



PIER ANALYSIS

Group	Loads	Stress	Allow.
I L.W.	D + L + B	19.0 T	20 T
III L.W.	Group I + L.F. + 15"W + ½ W.L.	23.5 T	25 T
VIII	Group I + Ice	26.5 T	28 T
II	Group II + Ice	29.4 T	30 T

DESIGN - SHAILER
TRACE - FOSTER
CHECK -

BRIDGE - 3248

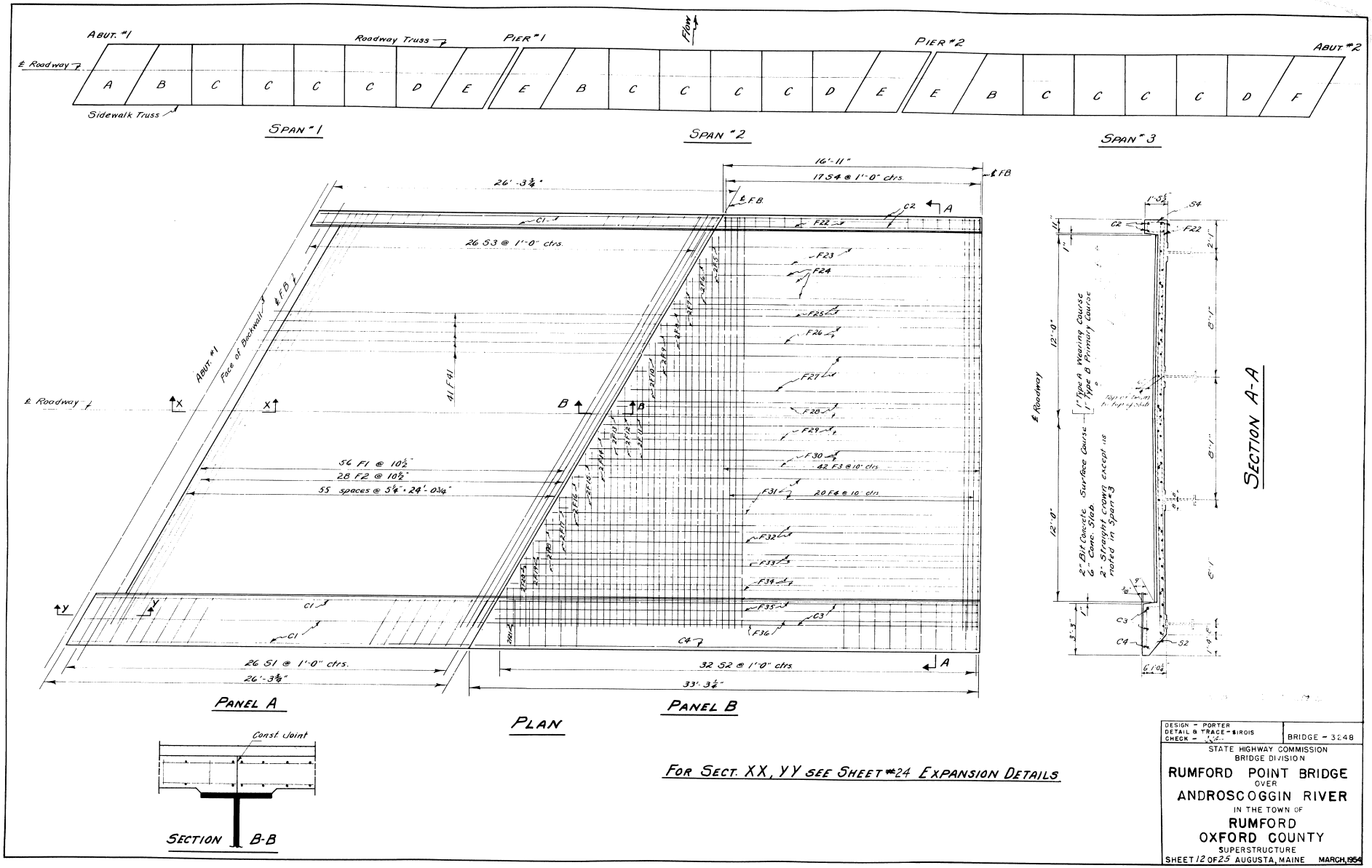
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
PIER NO. 2

SHEET 11 OF 25 AUGUSTA, MAINE MAR 1954

60-120

0 1 2 3 4 5 INCHES



FOR SECT. XX, YY SEE SHEET #24 EXPANSION DETAILS

DESIGN - PORTER
DETAIL & TRACE - SIROIS
CHECK -

BRIDGE - 3248

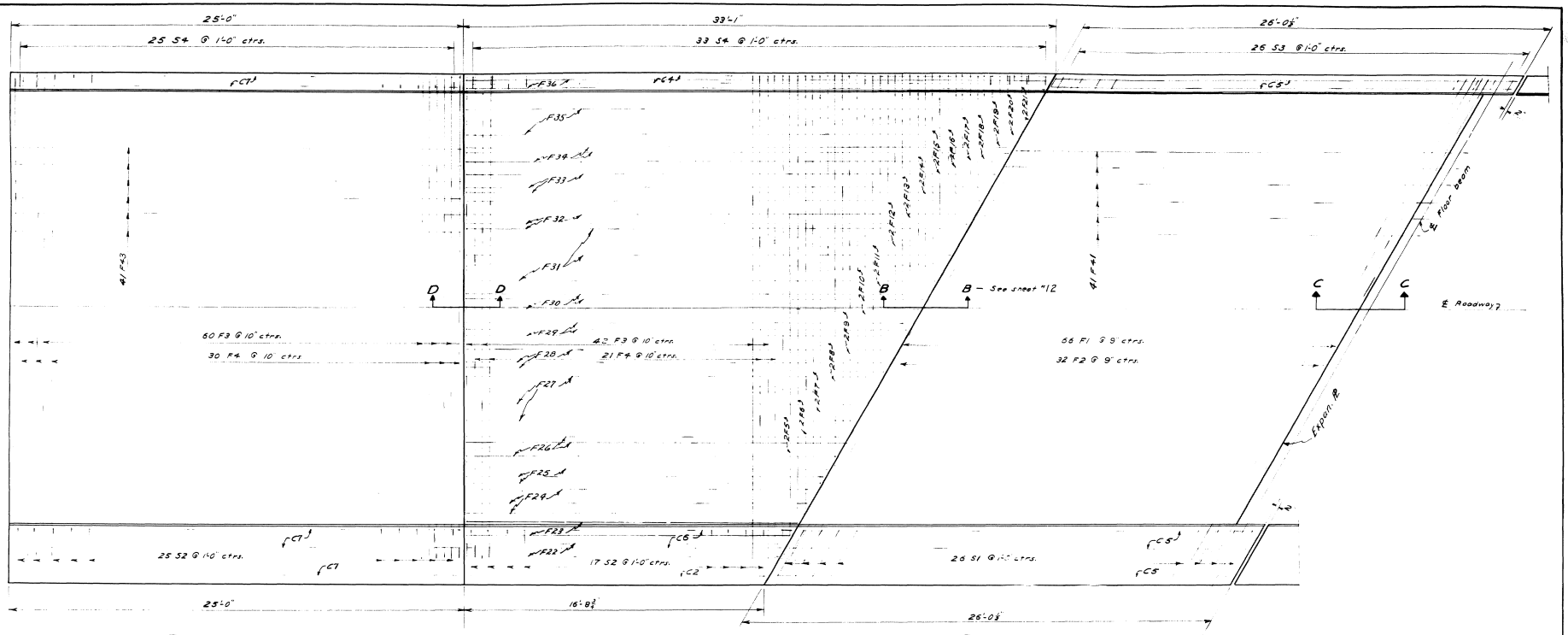
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

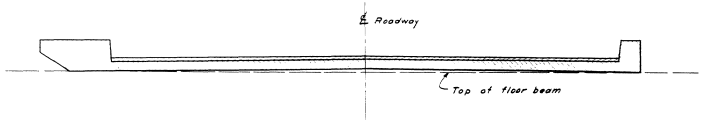
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
SUPERSTRUCTURE

SHEET 12 OF 25 AUGUSTA, MAINE MARCH, 1954

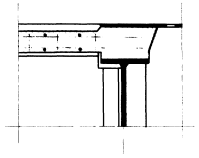
60-121

0 1 2 3 4 5 INCHES



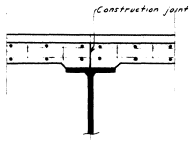


NORMAL SECTION



SECTION C-C

See Sh #25 Sect 4-4



SECTION D-D

DESIGN– PORTER
DETAIL– SIROIS TRACE– KELLEY
CHECK–

BRIDGE– 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

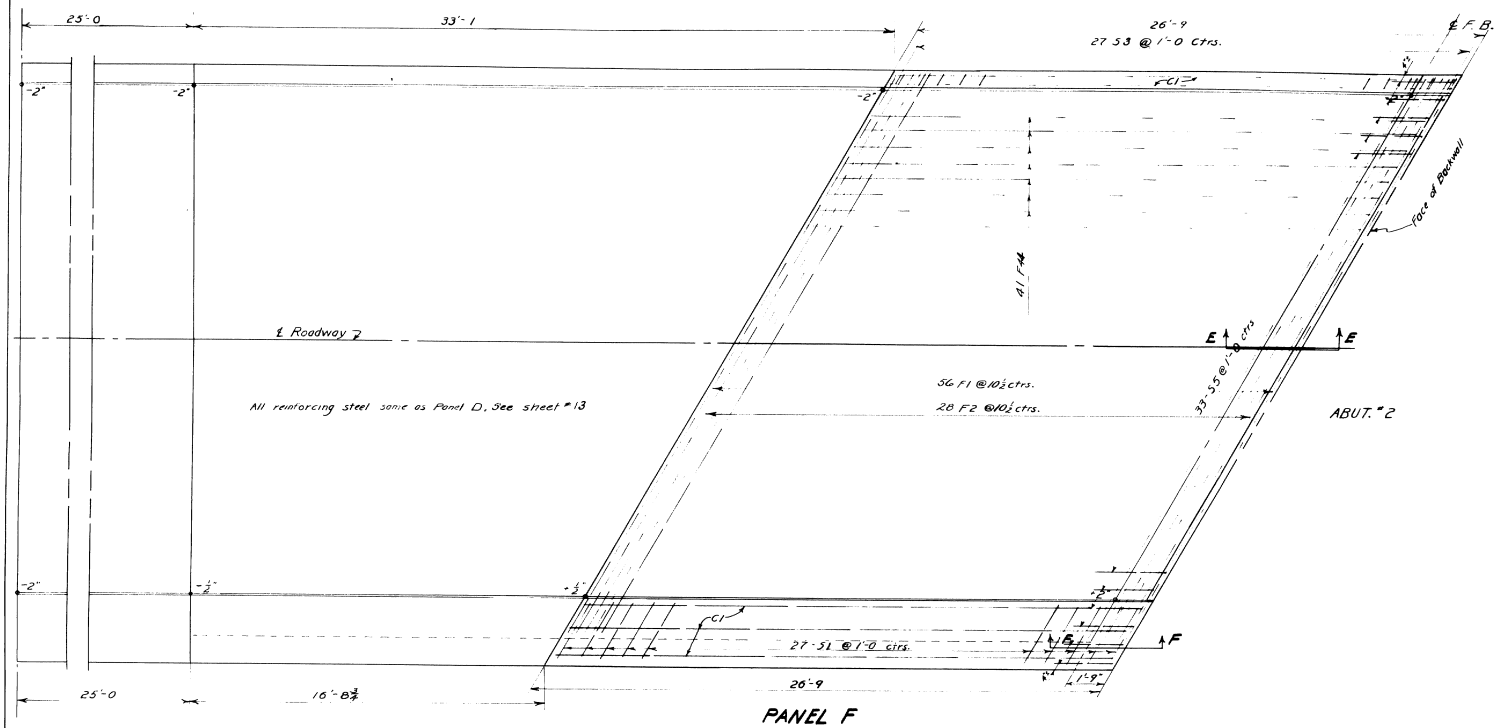
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

SUPERSTRUCTURE

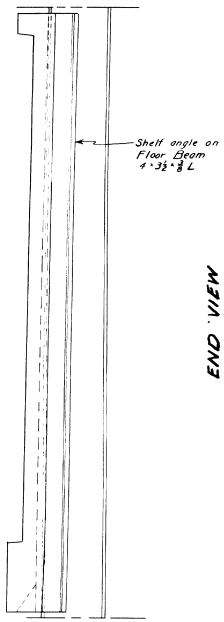
SHEET 13 OF 25 AUGUSTA, MAINE MAR. 1954

60-122

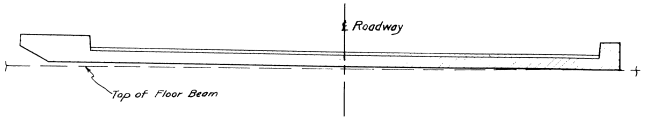
0 1 2 3 4 5 INCHES



PANEL F

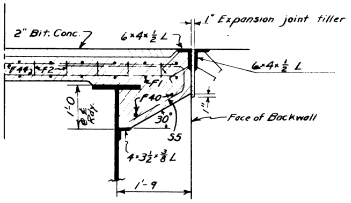


END VIEW

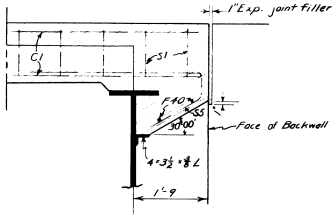


BANKED SECTION

Three end Panels, Span #3, See plan view for amount of bank at panel points.



SECTION E-E



SECTION F-F

CONCRETE SLAB NOTE

Top of slab to be a constant distance of 6" above the tops of the steel stringers, measured at their center lines.

DESIGN – PORTER DETAIL – SIROIS TRACE – CUTTING CHECK –	BRIDGE – 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
SUPERSTRUCTURE

SHEET 14 OF 25 AUGUSTA, MAINE MAR. 1954

60-123

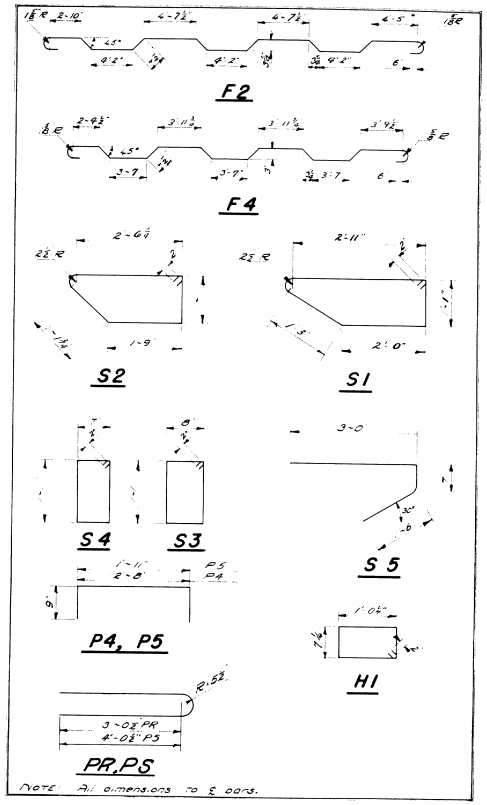
0 1 2 3 4 5 INCHES

REINFORCING STEEL SCHEDULE

STRAIGHT BARS

Mark	Size	No.	Length	Location
F1	#5	336	30'-11"	Conc Slab, Panels A, E, & F
F3	5	912	26'-9"	B, C, & D
F5	5	24	25'-7"	B & D
F6	5	24	24'-1"	B & D
F7	5	24	22'-9"	B & D
F8	5	24	21'-4"	B & D
F9	5	24	19'-0"	B & D
F10	5	24	18'-6"	B & D
F11	5	24	17'-1"	B & D
F12	5	24	15'-8"	B & D
F13	5	24	14'-3"	B & D
F14	5	24	12'-9"	B & D
F15	5	24	11'-4"	B & D
F16	5	24	9'-11"	B & D
F17	5	24	8'-6"	B & D
F18	5	24	7'-1"	B & D
F19	5	24	5'-7"	B & D
F20	5	24	4'-2"	B & D
F2	5	24	2'-9"	B & D
F22	4	12	16'-10"	B & D
F23	4	12	18'-0"	B & D
F24	4	12	18'-10"	B & D
F25	4	18	19'-10"	B & D
F26	4	18	20'-10"	B & D
F27	4	18	21'-9"	B & D
F28	4	18	23'-6"	B & D
F29	4	18	24'-9"	B & D
F30	4	18	25'-9"	B & D
F31	4	18	26'-9"	B & D
F32	4	18	28'-0"	B & D
F33	4	18	29'-0"	B & D
F34	4	18	30'-0"	B & D
F35	4	18	31'-0"	B & D
F36	4	18	32'-0"	B & D
F40	4	2	32'-5"	F
F41	4	205	25'-3"	Panel A & E
F43	4	492	24'-9"	Panel C
F44	4	41	26'-6"	Panel F

Mark	Size	No.	Length	Location
C1	#3	10	26'-0"	Rdwy Curb & Sawk, Panels A, & F
C2	3	9	16'-0"	" " B, D
C3	3	6	31'-3"	Sidewalk, Panel B
C4	3	9	32'-9"	Rdwy Curb & Sdw'k, Panels B & D
C5	3	20	25'-6"	" " Panel E
C6	3	6	17'-6"	Sidewalk Panel D
C7	3	60	29'-8"	Rdy. Curb & Sidewalk Pan. C
P1	6	68	11'-1"	Pier #1
P2	4	96	19'-6"	Piers #1 & 2
P3	4	52	5'-0"	Piers #1 & 2
P6	6	68	11'-9"	Pier #2
D1	6	12	4'-0"	Piers #1 & 2
K	6	40	12'-0"	Abut #1 & 2
AC	4	8	17'-6"	Approach Curbs
A1	6	8	21'-0"	Bridge Seat Abut #1 & 2
A2	6	8	15'-0"	Bridge Seat
A3	6	24	3'-0"	Bridge Seat
A4	5	26	4'-6"	Backwall
A5	5	54	8'-0"	"
A6	4	12	20'-9"	" (splice)
A7	6	88	11'-0"	Footing Abut #1 & 2
A8	6	12	7'-0"	"
A9	6	6	7'-6"	"
A10	6	12	8'-0"	"
A11	6	3	8'-6"	"
A12	6	12	9'-0"	"
A13	6	12	10'-0"	"
A14	6	22	10'-6"	"
A16	6	8	11'-6"	"
A17	6	3	9'-6"	"
A18	6	48	20'-9"	" 1 & 2 (Splice)
A19	6	28	14'-0"	" 1 & 2 (Splice)
A20	6	14	19'-6"	" #1



BENT BARS

Mark	Size	No.	Length	Location
F2	#5	168	33'-1"	Conc Slab, Panels A, E, & F
F4	5	483	29'-0"	" " B, C, & D
S	3	157	8'-1"	Conc Sdw'k, Panels A, E, & F
S2	3	447	7'-4"	" " B, C & D
S3	3	157	3'-0"	" Curb A, E & F
S4	3	450	3'-8"	" " B, C & D
S5	3	33	5'-1"	Edge of Slab Panel F
P2	5	12	4'-2"	Pier #1 & 2
P3	5	16	3'-5"	Pier #1 & 2
P5	6	4	8'-0"	Sidewalk
PR	6	8	7'-6"	Anchor Posts, Rdy.
H	3	8	3'-7"	

DETAIL - SIROIS, MAZEIKO
TRACE - BAILEY
CHECK - [illegible]

BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

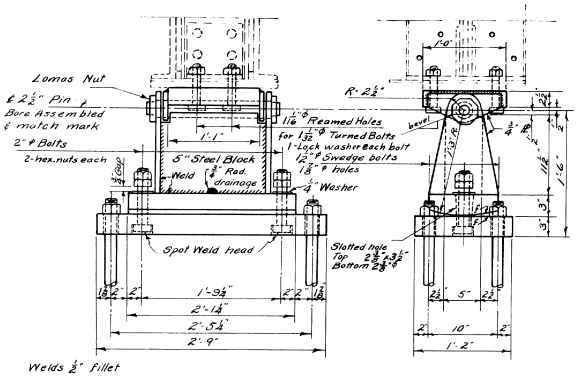
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

— REINFORCING STEEL —

SHEET 15 OF 25 AUGUSTA, MAINE APRIL 1954

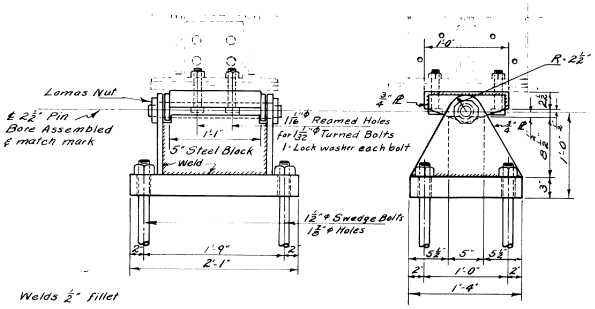
60-124

0 1 2 3 4 5 INCHES



EXPANSION PEDESTAL

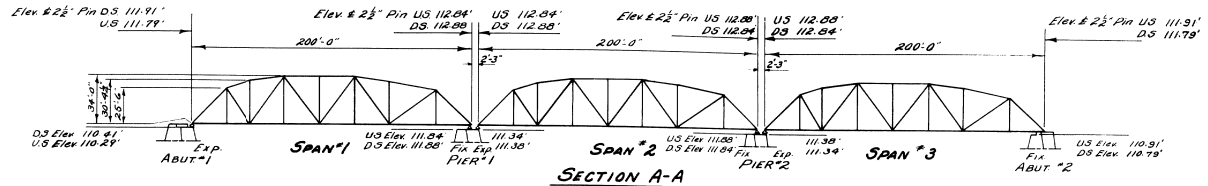
6 Required



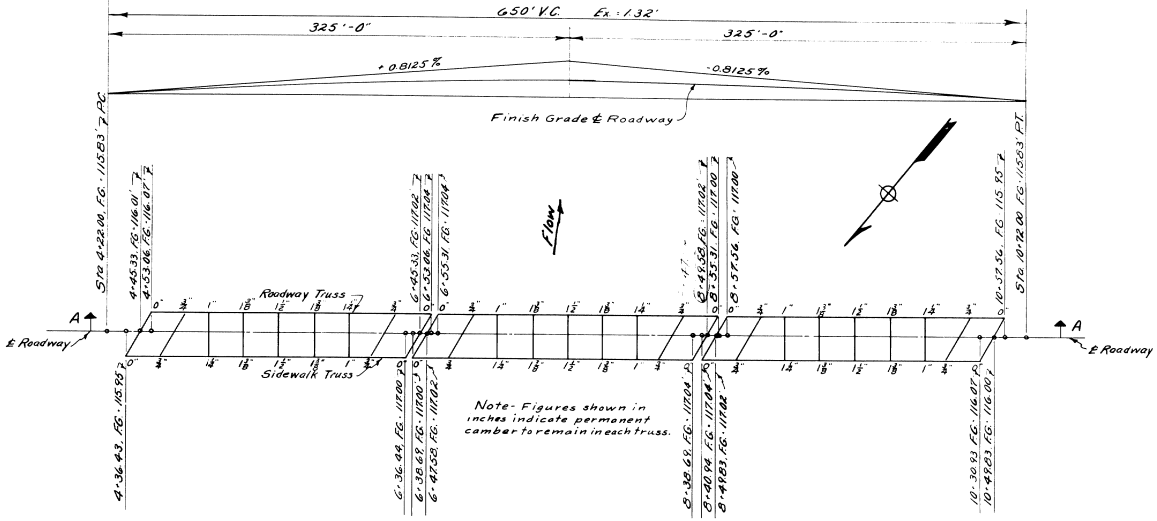
FIXED PEDESTAL

6 Required

Note - Anchor bolts to be set before erection of steel.



SECTION A-A



PLAN

SPECIFICATIONS
Maine State Highway Commission
Standard Specifications
Revision of May 1953
Loading H20-44
fs = 18,000
Rivets 7/8" ⌀
Holes for field connections and splices of Main Members shall be sub-punched and reamed to a metal template or reamed assembled.

DESIGN PORTER DETAIL & TRACE SIROIS CHECK	BRIDGE 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

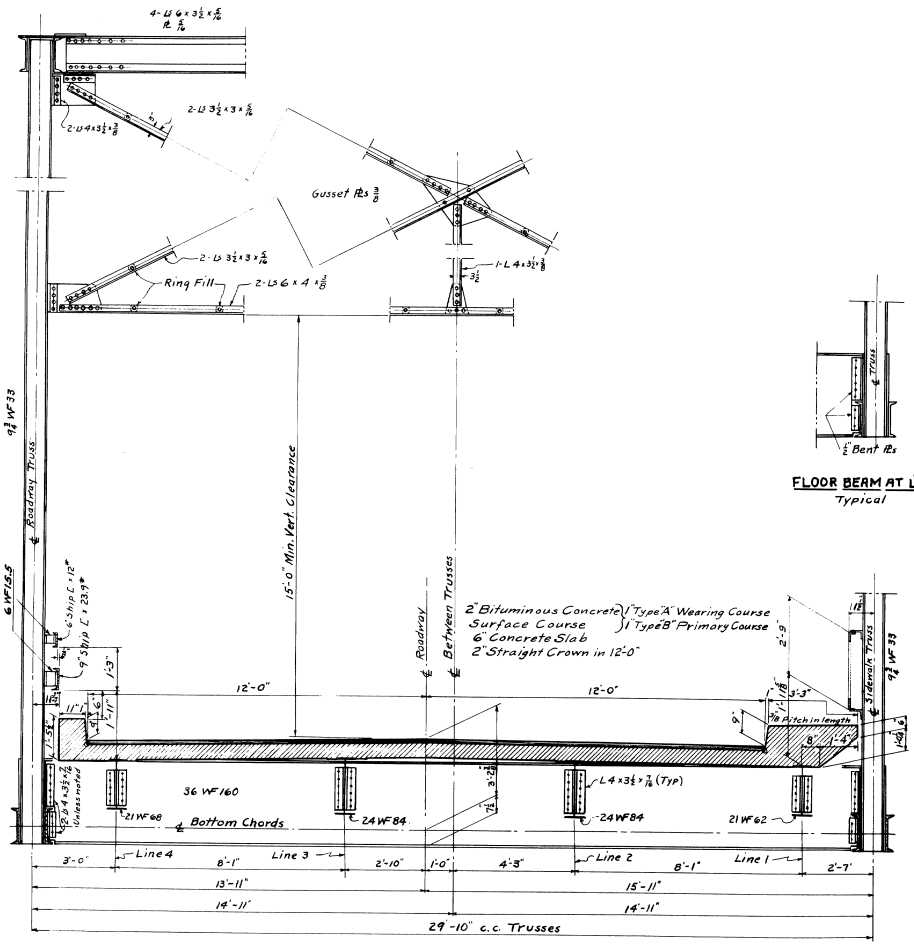
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN
RUMFORD
OXFORD COUNTY

LAYOUT AND PEDESTALS

SHEET 16 OF 25 AUGUSTA, MAINE FEB. 1954

60-185

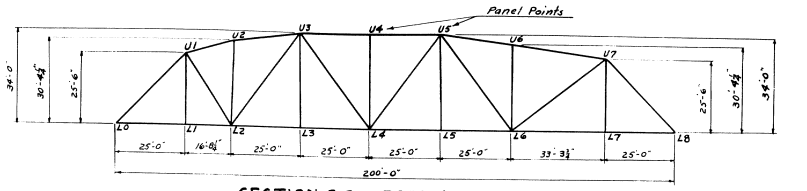
0 1 2 3 4 5 INCHES



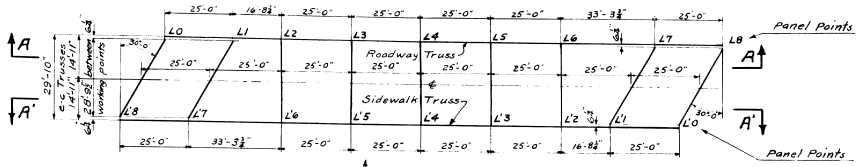
TYPICAL SECTION
(L2 to L6)

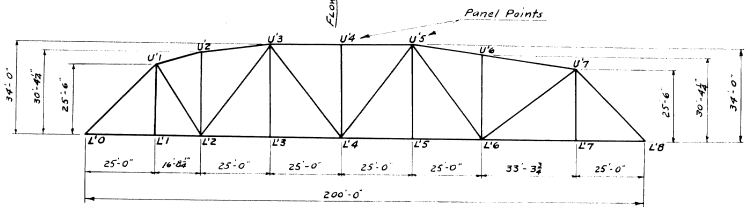
Sidewalk on Upstream side of bridge.

FLOOR BEAM AT L1
Typical



SECTION A-A – ROADWAY TRUSS





SECTION A'-A' – SIDEWALK TRUSS

SIDEWALK TRUSS							ROADWAY TRUSS						
Member	Dead Load	Live Load +Impact	Sidewalk Live Load	Total Stress	Material		Member	Dead Load	Live Load +Impact	Sidewalk Live Load	Total Stress	Material
L'0-U'1	-320.2	-131.9	-15.8	-467.9	2-D 15 x 50, 1-Pl 19 x 7/16		L0-U1	-297.8	-148.8	-1.4	-448.0	2-D 15 x 50, 1-Pl 19 x 7/16
U'1-U'2	-292.0	-109.9	-14.6	-416.5	2-D 15 x 40, 1-Pl 19 x 3/8		U1-U2	-271.5	-124.0	-1.3	-396.8	2-D 15 x 40, 1-Pl 19 x 3/8
U'2-U'3	-283.0	-106.5	-16.1	-403.6	2-D 15 x 40, 1-Pl 19 x 3/8		U2-U3	-269.1	-120.2	-1.2	-384.5	2-D 15 x 40, 1-Pl 19 x 3/8
U'3-U'5	-369.4	-138.0	-18.9	-526.3	2-D 15 x 50, 1-Pl 19 x 7/16		U3-U5	-342.9	-156.4	-1.6	-500.9	2-D 15 x 50, 1-Pl 19 x 7/16
U'5-U'7	-342.5	-126.9	-17.8	-487.2	2-D 15 x 40, 1-Pl 19 x 3/8		U5-U7	-317.4	-144.4	-1.5	-463.3	2-D 15 x 40, 1-Pl 19 x 3/8
U'7-L'8	-302.0	-122.6	-15.8	-440.4	2-D 15 x 50, 1-Pl 19 x 1/2		U7-L8	-279.5	-139.8	-1.4	-420.7	2-D 15 x 50, 1-Pl 19 x 1/2
L'0-L'2	+224.2	+84.4	+11.1	+319.7	2-D 15 x 40		L0-L2	+208.3	+95.2	+1.0	+304.7	2-D 15 x 40
L'2-L'4	+333.0	+114.8	+16.9	+474.7	2-D 15 x 40, 2-Pl 12 x 7/16		L2-L4	+309.3	+141.2	+1.5	+452.0	2-D 15 x 40, 2-Pl 12 x 7/16
L'4-L'6	+369.3	+135.8	+18.5	+511.6	2-D 15 x 40, 2-Pl 12 x 7/16		L4-L6	+339.3	+151.9	+1.6	+486.8	2-D 15 x 40, 2-Pl 12 x 7/16
L'6-L'8	+211.4	+77.9	+11.1	+300.4	2-D 15 x 40		L6-L8	+195.7	+88.8	+1.0	+285.5	2-D 15 x 40
U'1-L'1	+58.5	+54.0	+4.9	+117.4	9¾ WF 33		U1-L1	+54.5	+60.8	+0.4	+115.7	9¾ WF 33
U'2-L'2	+42.5	+15.4	+2.1	+60.0	9¾ WF 33		U2-L2	+39.5	+17.3	+0.2	+57.0	9¾ WF 33
U'3-L'3	+63.2	+54.6	+5.9	+123.7	9¾ WF 33		U3-L3	+58.7	+61.9	+0.5	+121.1	9¾ WF 33
U'4-L'4	0	0	0	0	9¾ WF 33		U4-L4	0	0	0	0	9¾ WF 33
U'5-L'5	+63.2	+54.6	+5.9	+123.7	9¾ WF 33		U5-L5	+58.7	+61.9	+0.5	+121.1	9¾ WF 33
U'6-L'6	0	0	0	0	9¾ WF 33		U6-L6	0	0	0	0	9¾ WF 33
U'7-L'7	+69.8	+55.2	+4.9	+129.9	9¾ WF 33		U7-L7	+64.2	+63.1	+0.4	+127.7	9¾ WF 33
U'1-L'2	+103.3	+54.8	+6.9	+165.0	10 WF 39		U1-L2	+96.0	+62.0	+0.6	+158.6	10 WF 39
U'3-L'2	-89.3	-59.8	-7.9	-157.0	10 WF 49		U3-L2	-82.6	-68.0	-0.7	-151.3	10 WF 49
		+29.9	+2.3	+32.4					+33.6	+0.2	+33.8	
U'3-L'4	+61.4	+54.8	+7.5	+123.7	9¾ WF 33		U3-L4	+56.7	+62.4	+0.6	+119.7	9¾ WF 33
		-29.9	-3.1	-33.0					-33.7	-0.3	-34.0	
U'5-L'4	+17.0	+45.3	+5.4	+67.7	9¾ WF 33		U5-L4	+16.1	+51.2	+0.5	+67.8	9¾ WF 33
		-37.6	-4.7	-42.3					-42.8	-0.4	-43.2	
U'5-L'6	-34.4	-45.6	-5.9	-85.9	9¾ WF 33		U5-L6	-32.4	-51.6	-0.5	-84.5	9¾ WF 33
		+38.3	+4.2	+42.5					+43.9	+0.4	+44.3	
U'7-L'6	+160.0	+80.8	+10.8	+251.6	10 WF 39, 2-Pl 10 x 5/16		U7-L6	+148.7	+91.9	+0.9	+241.5	10 WF 39, 2-Pl 10 x 5/16

STRESS TABLE

Stresses given in Kips
- Indicates Compression
+ Indicates Tension

DESIGN- PORTER
DETAIL- WHITE
TRACE- WELCH
CHECK-

BRIDGE 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

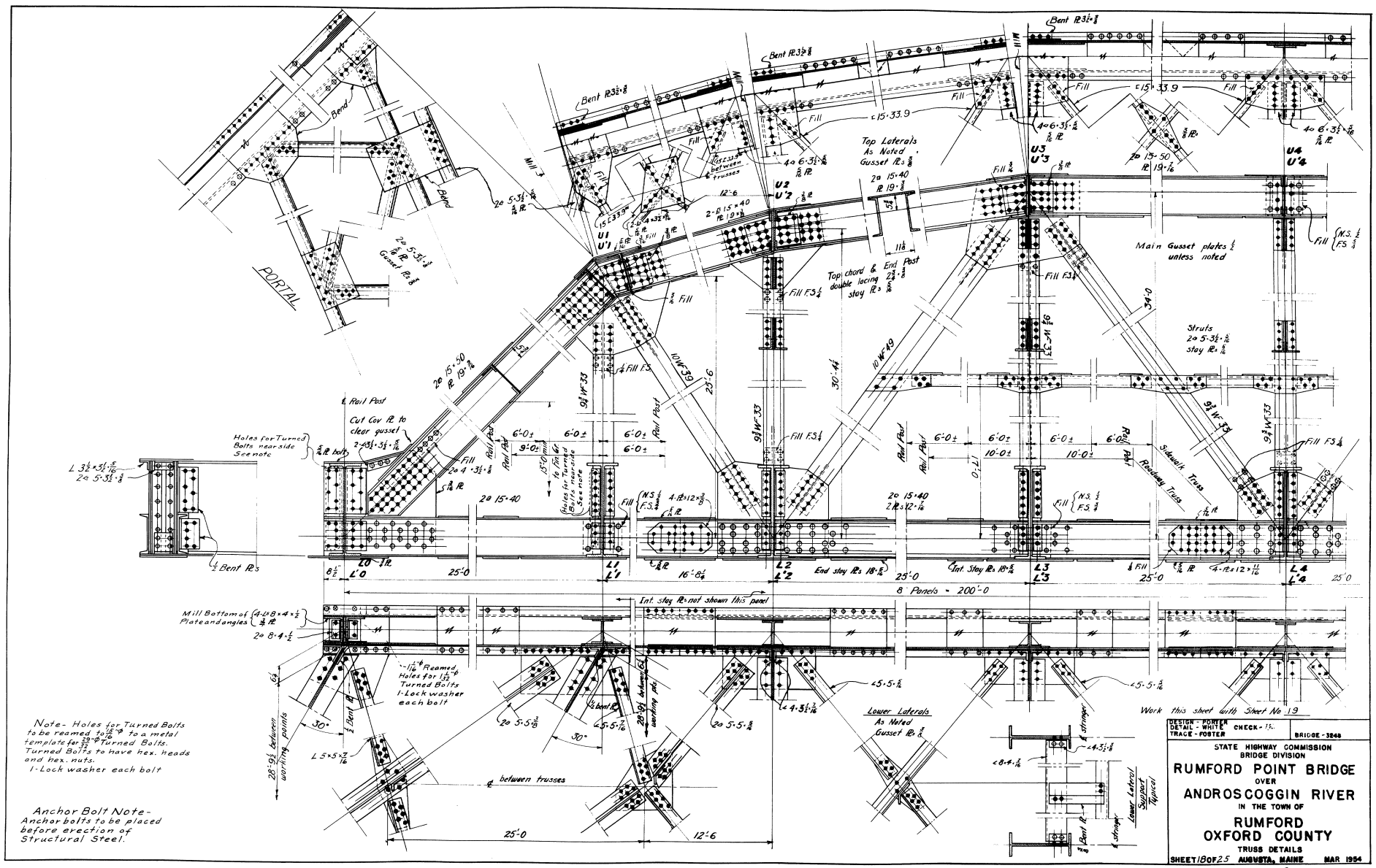
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

STRESS TABLE & TYPICAL SECTION

SHEET 17 OF 25 AUGUSTA, MAINE MAR. 1954

60-126

0 1 2 3 4 5 INCHES

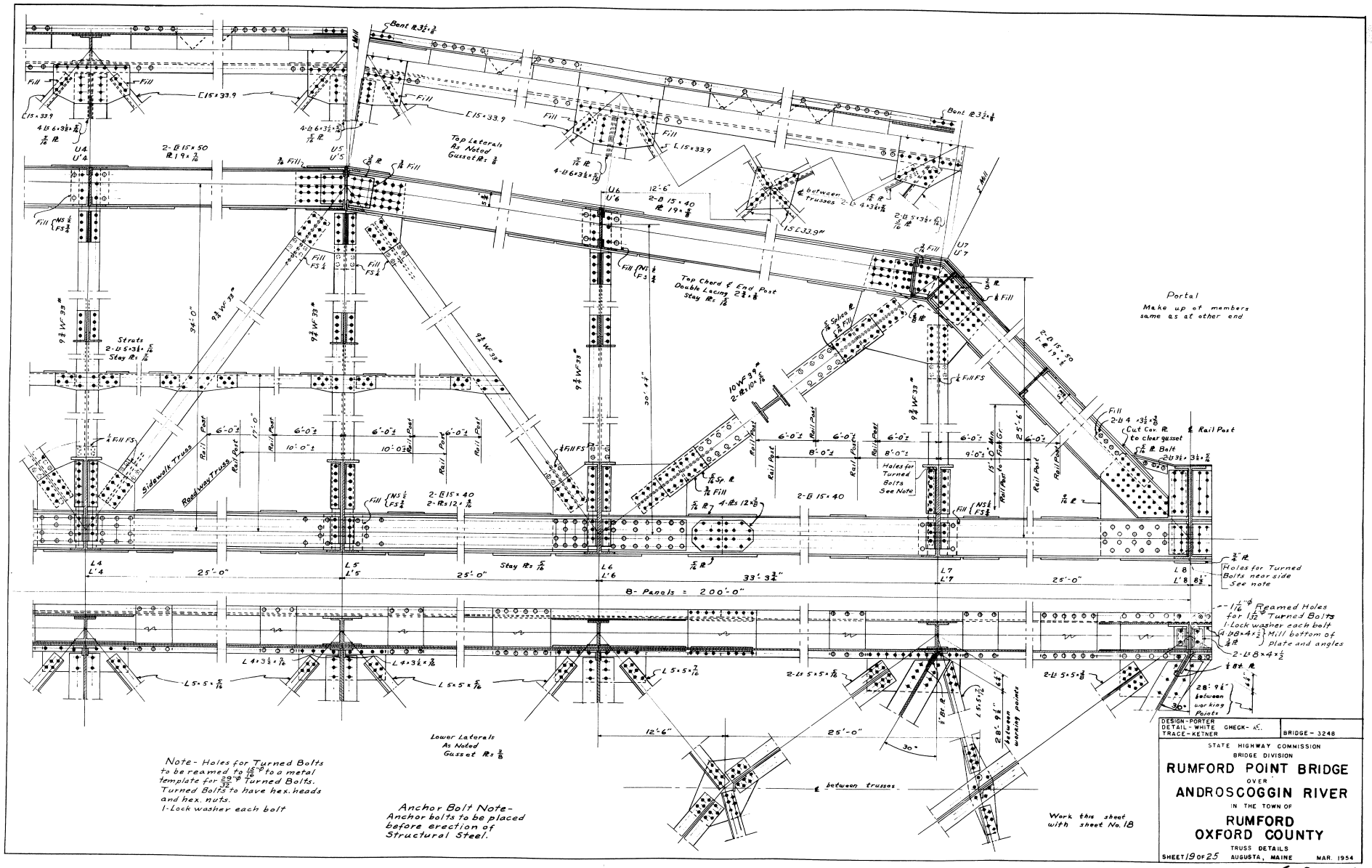


Note- Holes for Turned Bolts to be reamed to 1 1/16"φ to a metal template for 1 1/32"φ Turned Bolts. Turned Bolts to have hex. heads and hex. nuts. 1-Lock washer each bolt

Anchor Bolt Note- Anchor bolts to be placed before erection of Structural Steel.

0 1 2 3 4 5 INCHES

60-127



Note- Holes for Turned Bolts to be reamed to $\frac{15}{16}$"ϕ to a metal template for $\frac{29}{32}$"ϕ Turned Bolts. Turned Bolts to have hex. heads and hex. nuts.
1-Lock washer each bolt

Anchor Bolt Note-
Anchor bolts to be placed before erection of Structural Steel.

DESIGN-PORTER
DETAIL-WHITE CHECK-
TRACE-KETNER

BRIDGE-3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

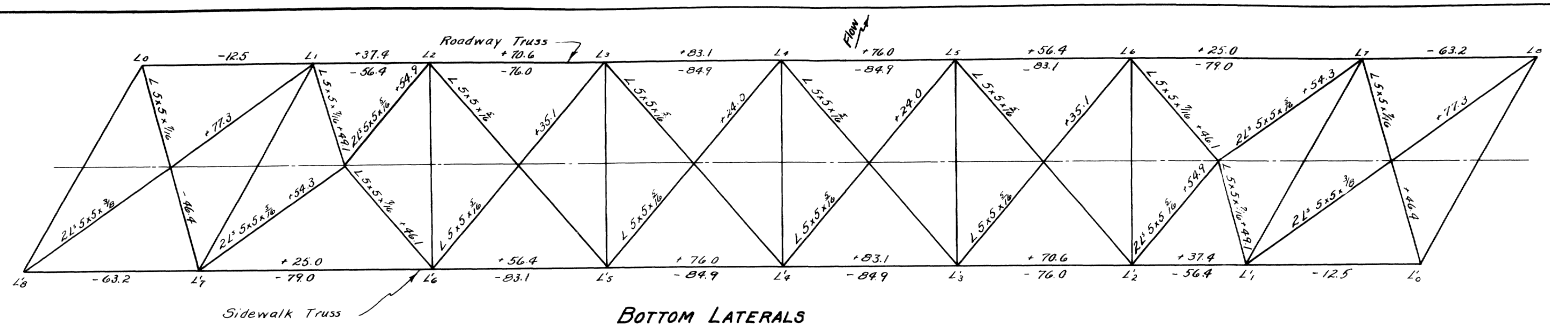
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

TRUSS DETAILS

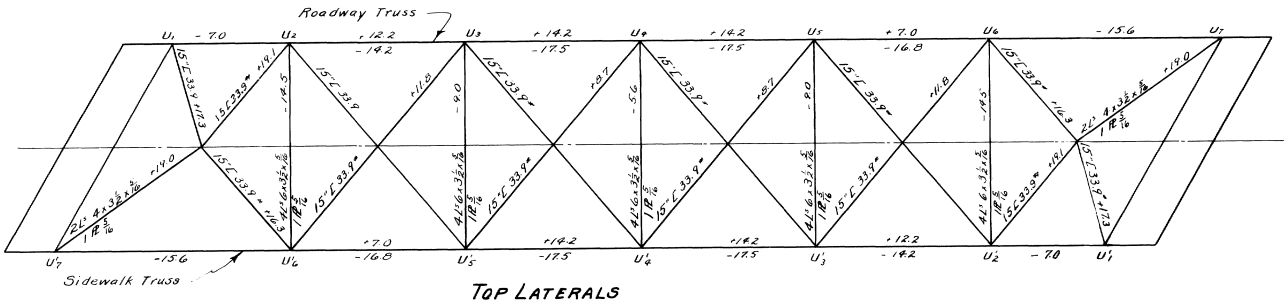
SHEET 19 OF 25 AUGUSTA, MAINE MAR. 1954

60-128

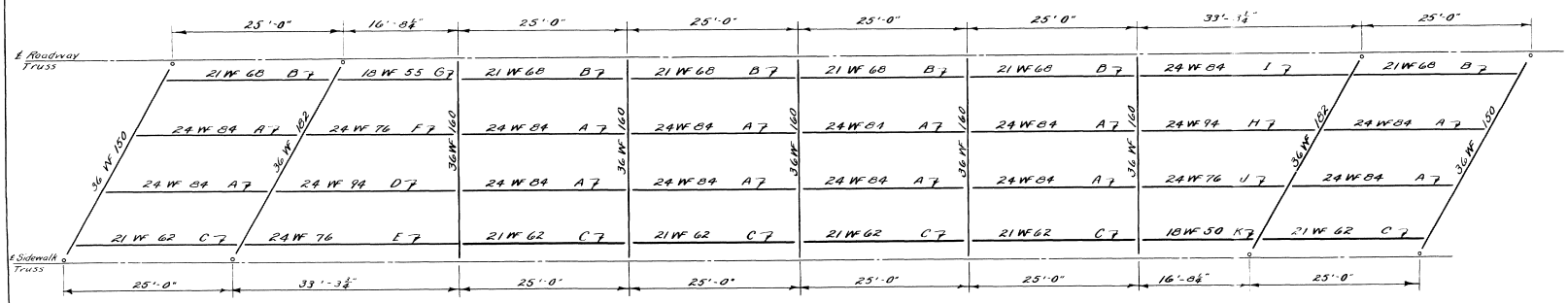
0 1 2 3 4 5 INCHES



BOTTOM LATERALS



TOP LATERALS



STRINGER PLAN

STRINGERS										
Stringer	A	B	C	D	E	F	G	H	I	J	K
M	280.6K'	194.9K'	171.3K'	318.8K'	261.7K'	251.3K'	129.8K'	312.2K'	283.4K'	245.9K'	103.3K'
Req'd S	187.3	129.9	114.9	212.3	174.0	161.5	86.1	208.1	188.9	163.9	68.9
Use	24WF84	21WF68	21WF62	24WF94	24WF76	24WF76	18WF55	24WF94	24WF84	24WF76	18WF50

FLOOR BEAMS			
Floor Beam	Regular	End	Int. Skewed
M	793.8K'	695.0K'	899.7K'
Req'd S	529.2	463.3	600.0
Use	36WF160	36WF150	36WF182

DESIGN - SHAILER
DETAIL & TRACE - SIROIS
CHECK - [illegible]

BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

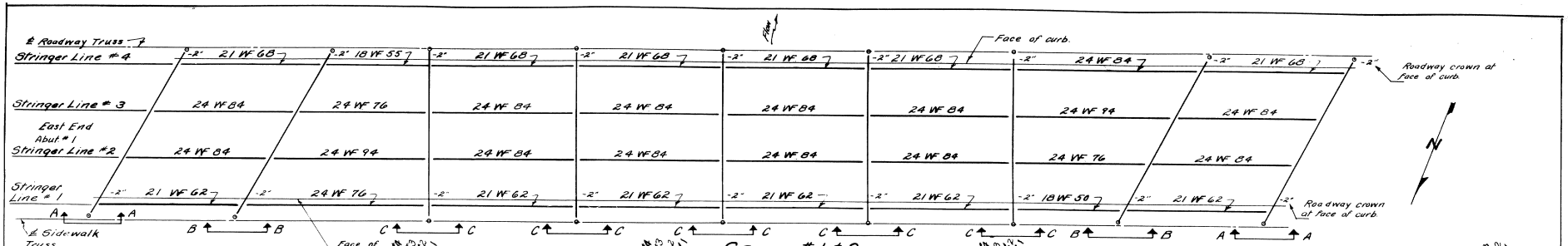
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

LATERALS & FLOOR SYSTEM

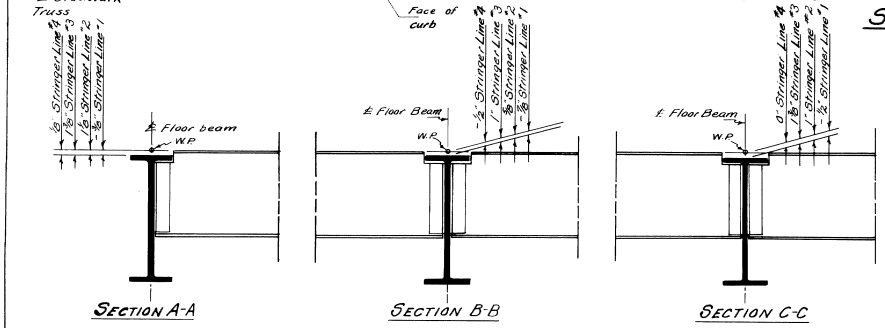
SHEET 20 OF 25 AUGUSTA, MAINE FEB. 1954

60-129

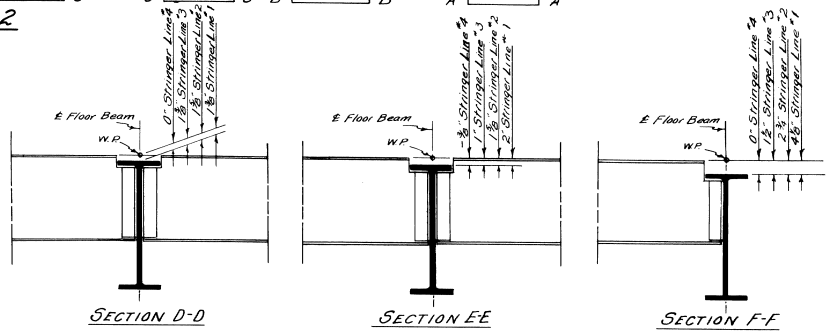
0 1 2 3 4 5 INCHES



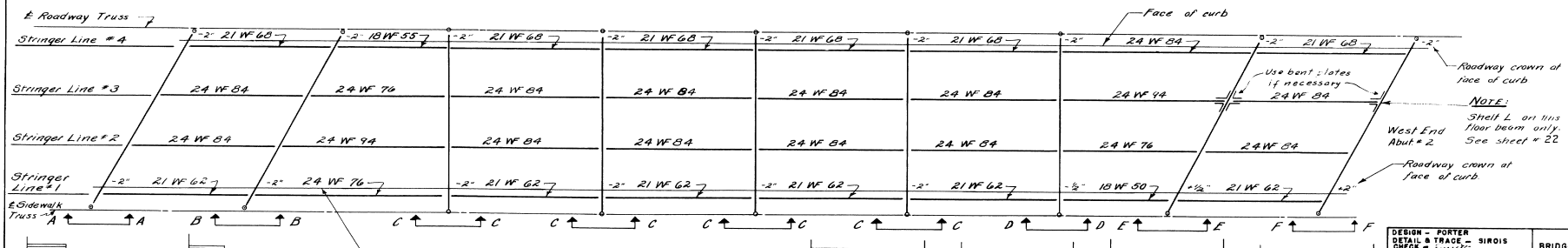
SPANS #1 & 2



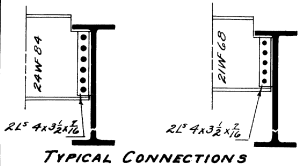
STRINGER DETAILS - SPANS #1, 2 & EAST END, SPAN # 3



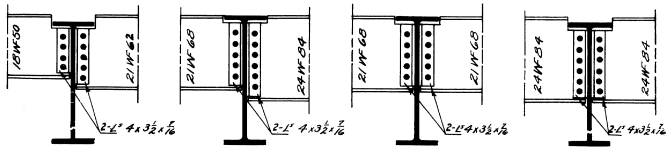
STRINGER DETAILS - LAST TWO PANELS - WEST END - SPAN # 3



SPAN # 3



TYPICAL CONNECTIONS STRINGER TO FLOOR BEAM



TYPICAL CONNECTIONS - STRINGER TO FLOOR BEAM

DESIGN - PORTER
DETAIL & TRACE - SIROIS
CHECK - [illegible]
BRIDGE - 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

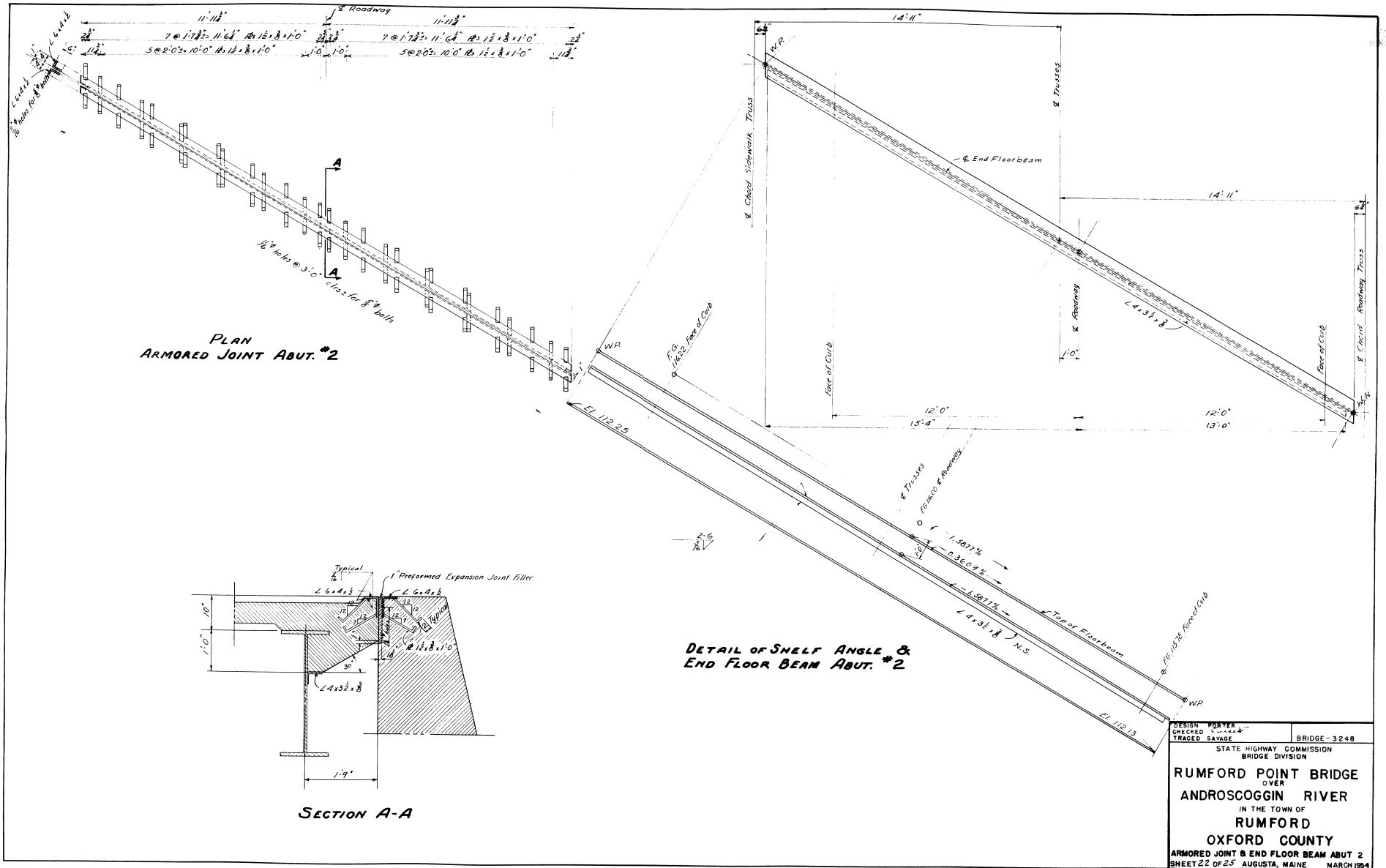
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

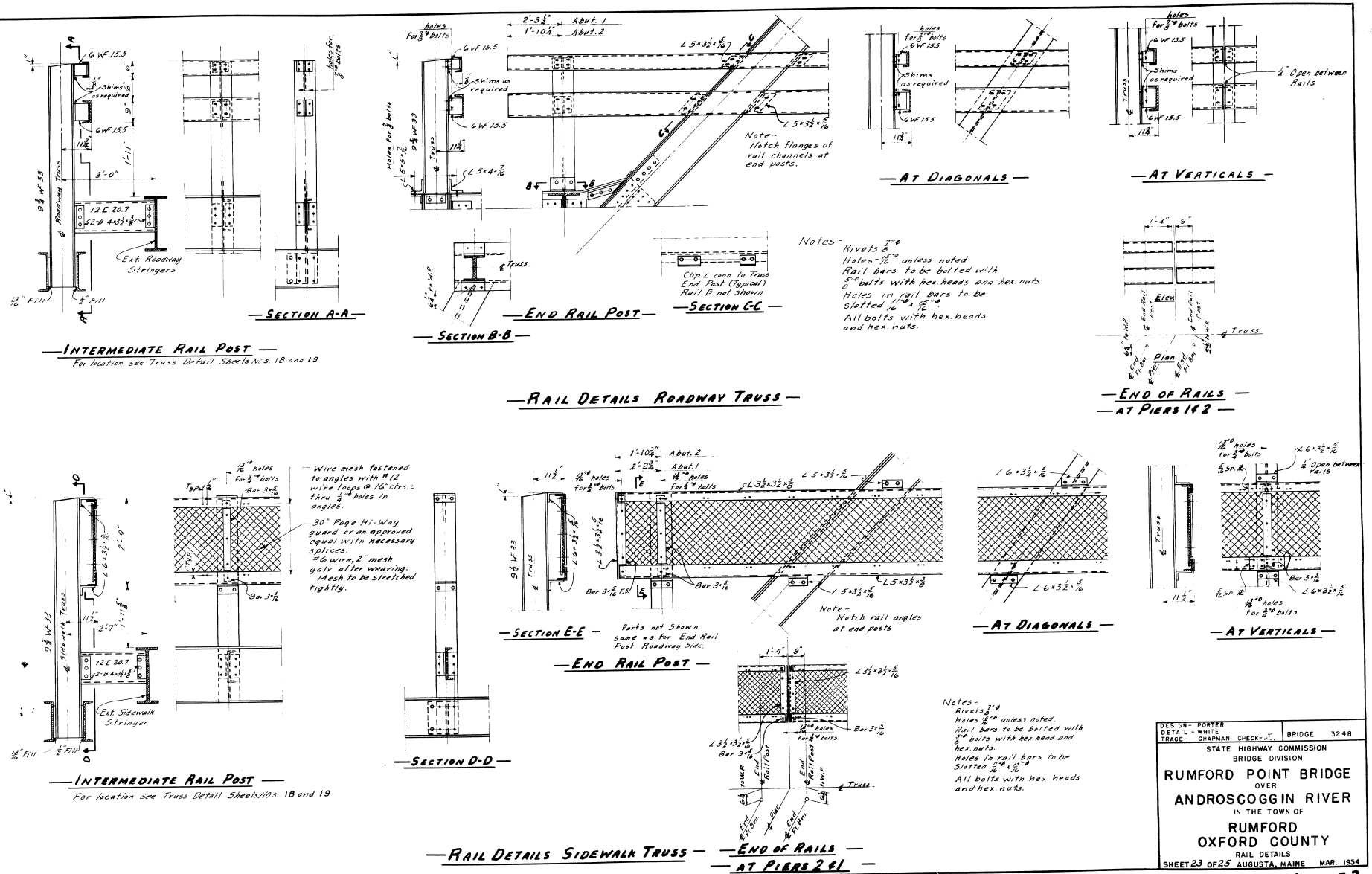
STRINGER DETAILS

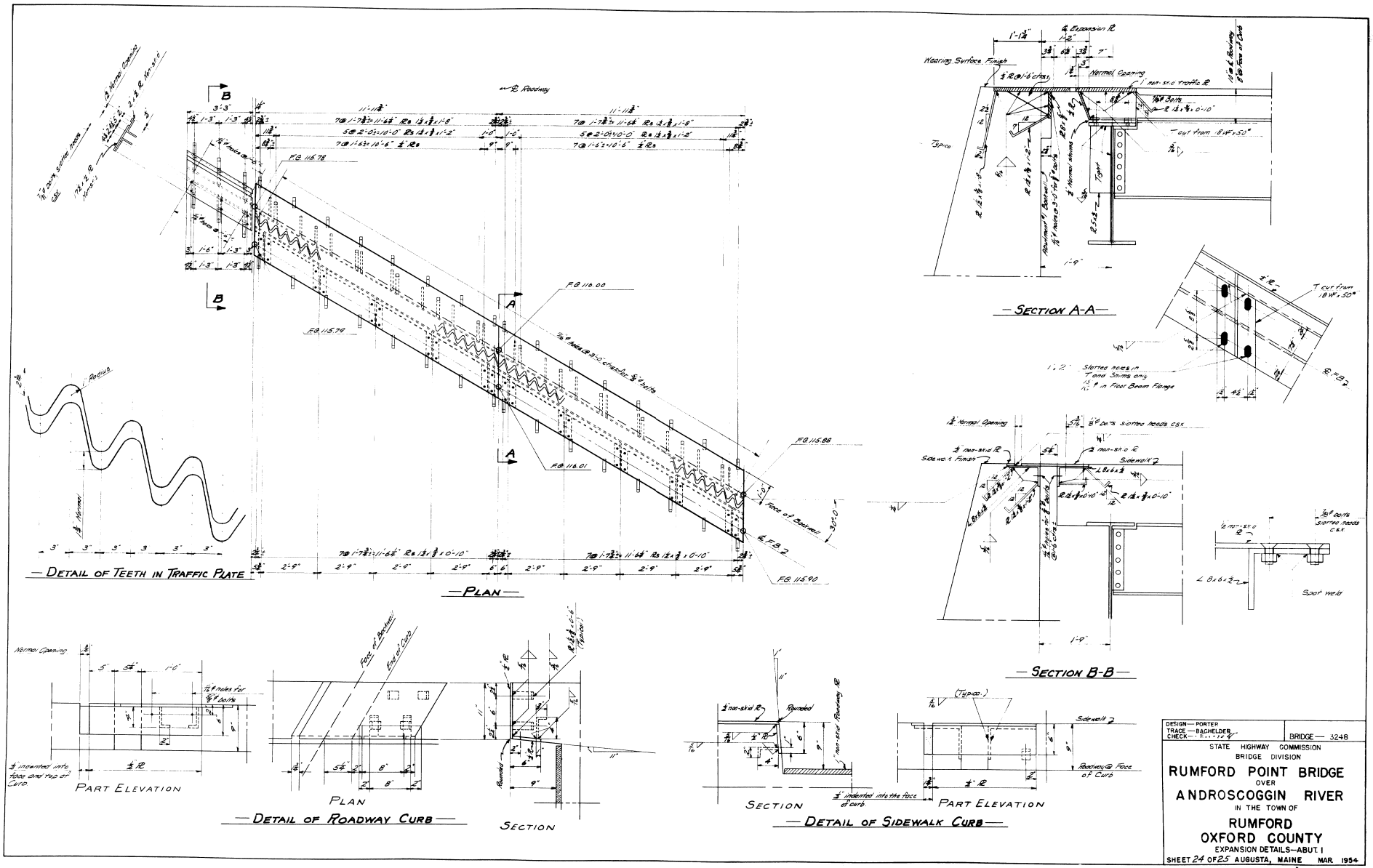
SHEET 2 OF 25 AUGUSTA, MAINE FEB. 1954

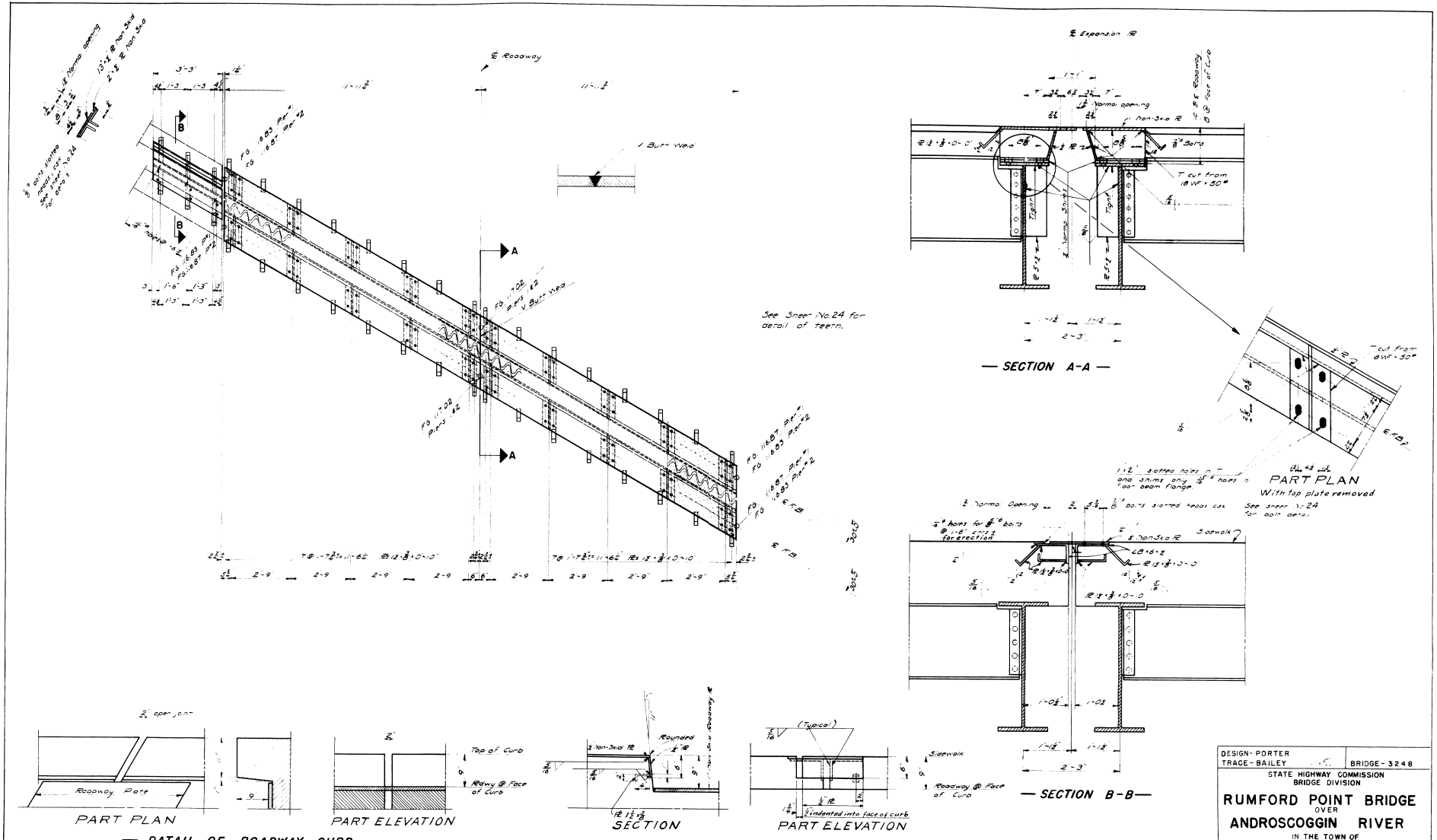
60-130

0 1 2 3 4 5 INCHES


PLAN
ARMORED JOINT ABUT. #2
DETAIL OF SHELF ANGLE & END FLOOR BEAM ABUT. #2
SECTION A-A
℄ Roadway
℄ Trusses
℄ End Floorbeam
℄ Chord Sidewalk Truss
℄ Chord Roadway Truss
Face of Curb
W.P.
Top of Floorbeam
N.S.
Typical
Preformed Expansion Joint Filler
DESIGN PORTER
CHECKED
TRACED SAVAGE
BRIDGE-3248
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
ARMORED JOINT & END FLOOR BEAM ABUT 2
SHEET 22 OF 25 AUGUSTA, MAINE MARCH 1954
60-131


INTERMEDIATE RAIL POST
For location see Truss Detail Sheets Nos. 18 and 19
SECTION A-A
SECTION B-B
END RAIL POST
SECTION C-C
Clip L conn. to Truss End Post (Typical) Rail B not shown
Note~ Notch flanges of rail channels at end posts.
AT DIAGONALS
AT VERTICALS
Open between Rails
Shims as required
Ext. Roadway Stringers
RAIL DETAILS ROADWAY TRUSS
Notes~
Rivets 7/8"ø
Holes 15/16"ø unless noted
Rail bars to be bolted with 5/8"ø bolts with hex heads and hex nuts
Holes in rail bars to be slotted 11/16"ø x 15/16"ø
All bolts with hex. heads and hex. nuts.
END OF RAILS
AT PIERS 1 & 2
Elev.
Plan
Wire mesh fastened to angles with #12 wire loops @ 16" ctrs. thru 1/4"ø holes in angles.
30" Page Hi-Way guard or an approved equal with necessary splices.
#6 wire, 2" mesh galv. after weaving. Mesh to be stretched tightly.
Ext. Sidewalk Stringer
INTERMEDIATE RAIL POST
For location see Truss Detail Sheets Nos. 18 and 19
SECTION D-D
SECTION E-E
END RAIL POST
Parts not shown same as for End Rail Post Roadway Side.
Note~ Notch rail angles at end posts
AT DIAGONALS
AT VERTICALS
Open between Rails
Notes~
Rivets 7/8"ø
Holes 15/16"ø unless noted.
Rail bars to be bolted with 5/8"ø bolts with hex. head and hex. nuts.
Holes in rail bars to be slotted 11/16"ø x 15/16"ø
All bolts with hex. heads and hex. nuts.
RAIL DETAILS SIDEWALK TRUSS
END OF RAILS
AT PIERS 2 & 1
DESIGN - PORTER
DETAIL - WHITE
TRACE - CHAPMAN CHECK -
BRIDGE 3248
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
RAIL DETAILS
SHEET 23 OF 25 AUGUSTA, MAINE MAR. 1954
60-132
0 1 2 3 4 5 INCHES


— Detail of Teeth in Traffic Plate —
— Plan —
— Section A-A —
— Section B-B —
Part Elevation
Plan
Section
— Detail of Roadway Curb —
Section
Part Elevation
— Detail of Sidewalk Curb —
DESIGN — PORTER
TRACE — BACHELDER
CHECK — E. J. [illegible]
BRIDGE — 3248
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY
EXPANSION DETAILS—ABUT. I
SHEET 24 OF 25 AUGUSTA, MAINE MAR. 1954
60-133



DESIGN- PORTER
TRACE- BAILEY
BRIDGE- 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

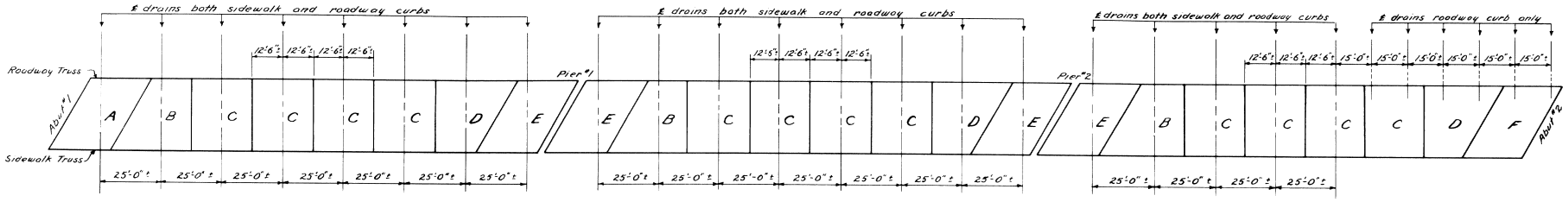
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

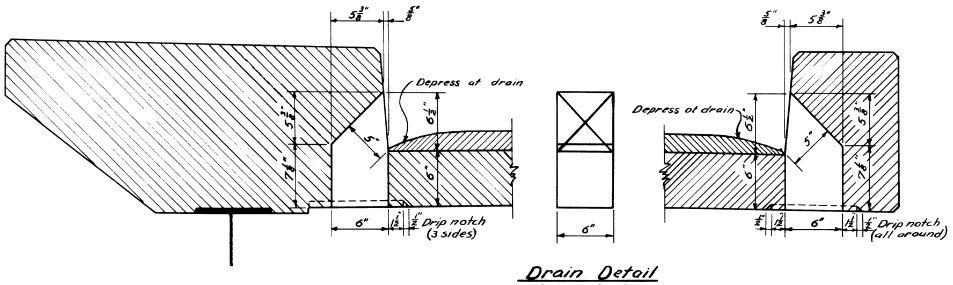
EXPANSION DETAILS PIERS 1 & 2

SHEET 25 OF 25 AUGUSTA, MAINE MARCH 1954

60-134

0 1 2 3 4 5 INCHES





Drain Detail
18 required
24 gage galvanized iron

DETAIL - DENNIS TRACE - " CHECK - Harris	BRIDGE 3248

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

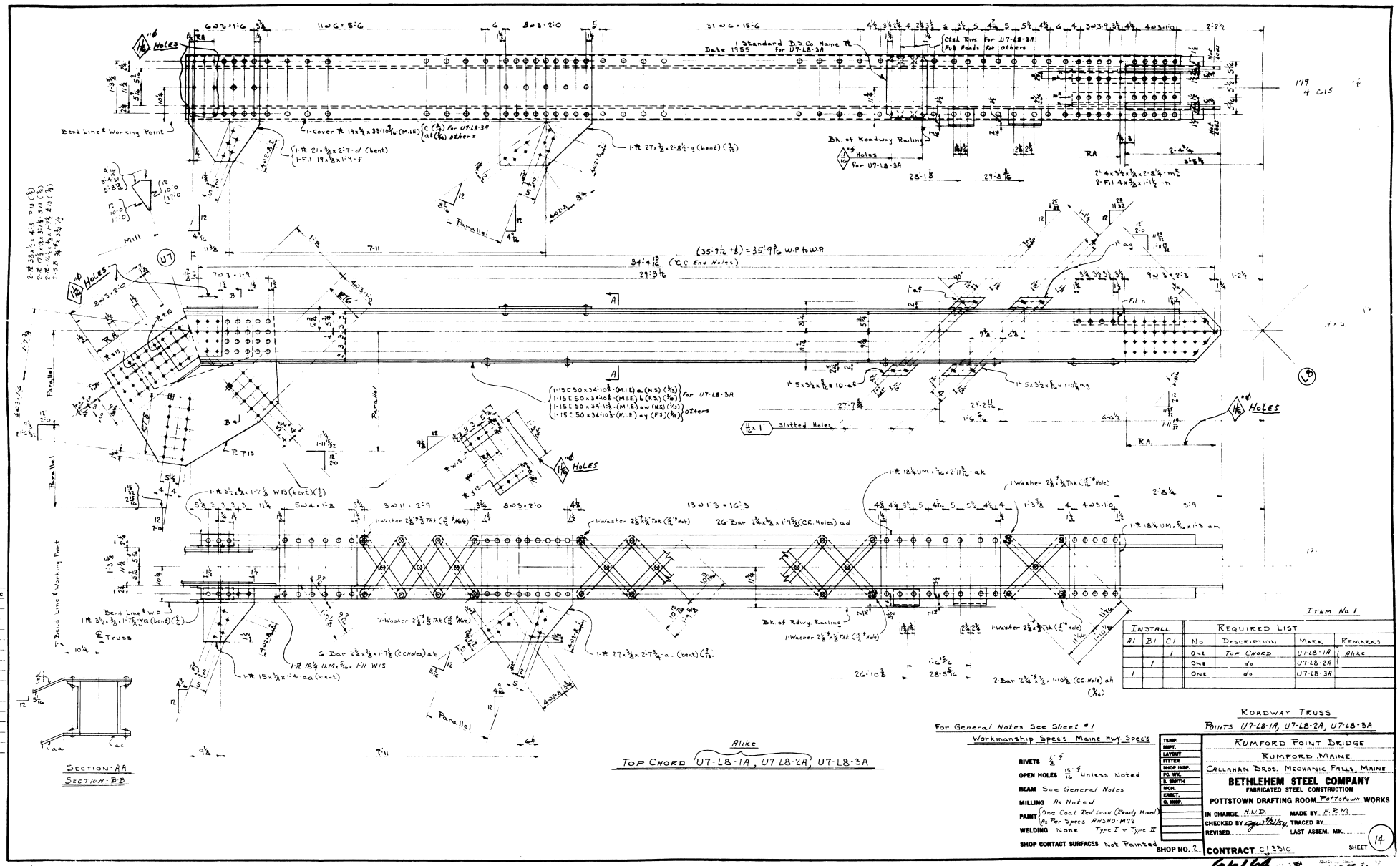
RUMFORD POINT BRIDGE
OVER
ANDROSCOGGIN RIVER
IN THE TOWN OF
RUMFORD
OXFORD COUNTY

DRAIN DETAILS

SHEET 25A OF 25 AUGUSTA, MAINE JAN. 1955

60-135

0 1 2 3 4 5 INCHES



ITEM No. 1

INSTALL			REQUIRED LIST			
A1	B1	C1	No	DESCRIPTION	MARK	REMARKS
		1	ONE	TOP CHORD	U7-L8-1A	Alike
	1		ONE	do	U7-L8-2A	
1			ONE	do	U7-L8-3A	

For General Notes See Sheet #1

Workmanship Spec's Maine Hwy Spec's

RIVETS 7/8"ϕ

OPEN HOLES 15/16"ϕ Unless Noted

REAM See General Notes

MILLING As Noted

PAINT One Coat Red Lead (Ready Mixed) As Per Specs AASHO-M72

WELDING None Type I or Type II

SHOP CONTACT SURFACES Not Painted

SHOP NO. 2

ROADWAY TRUSS

POINTS U7-L8-1A, U7-L8-2A, U7-L8-3A

RUMFORD POINT BRIDGE

RUMFORD, MAINE.

CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE H.W.D. MADE BY F.R.M.

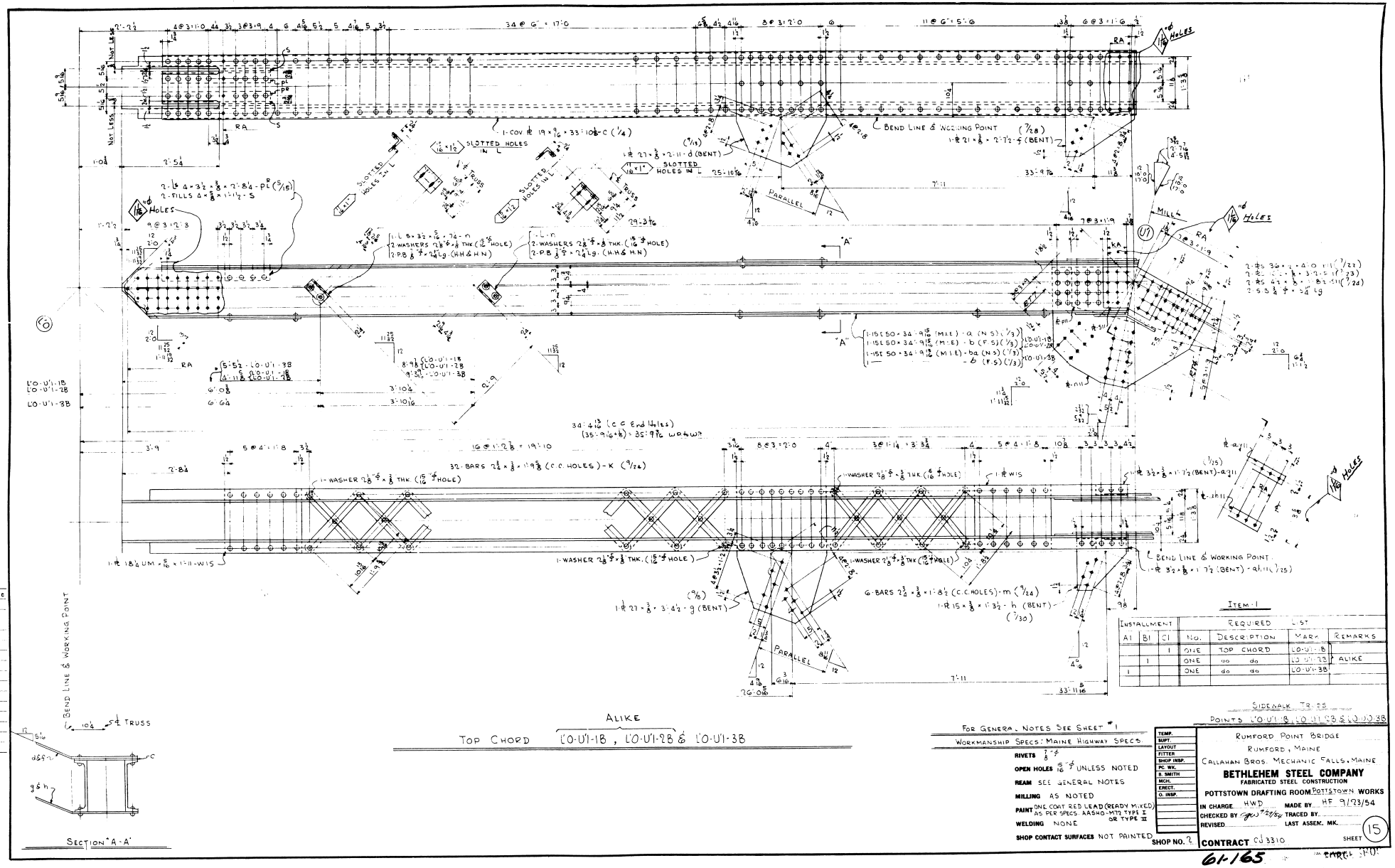
CHECKED BY [signature] 9/21/54 TRACED BY

REVISED LAST ASSEM. MK.

CONTRACT CJ 3310 SHEET 14

61-164

FORGE SH



ITEM-1

INSTALLMENT			REQUIRED LIST			
A1	B1	C1	No.	DESCRIPTION	MARK	REMARKS
		1	ONE	TOP CHORD	L'0-U'1-1B	
	1		ONE	do do	L'0-U'1-2B	ALIKE
1			ONE	do do	L'0-U'1-3B	

FOR GENERAL NOTES SEE SHEET #1

WORKMANSHIP SPECS: MAINE HIGHWAY SPECS.

RIVETS 7/8" ⌀

OPEN HOLES 15/16" ⌀ UNLESS NOTED

REAM SEE GENERAL NOTES

MILLING AS NOTED

PAINT ONE COAT RED LEAD (READY MIXED) AS PER SPECS. AASHO-M72 TYPE I OR TYPE II

WELDING NONE

SHOP CONTACT SURFACES NOT PAINTED

SHOP NO. 2

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

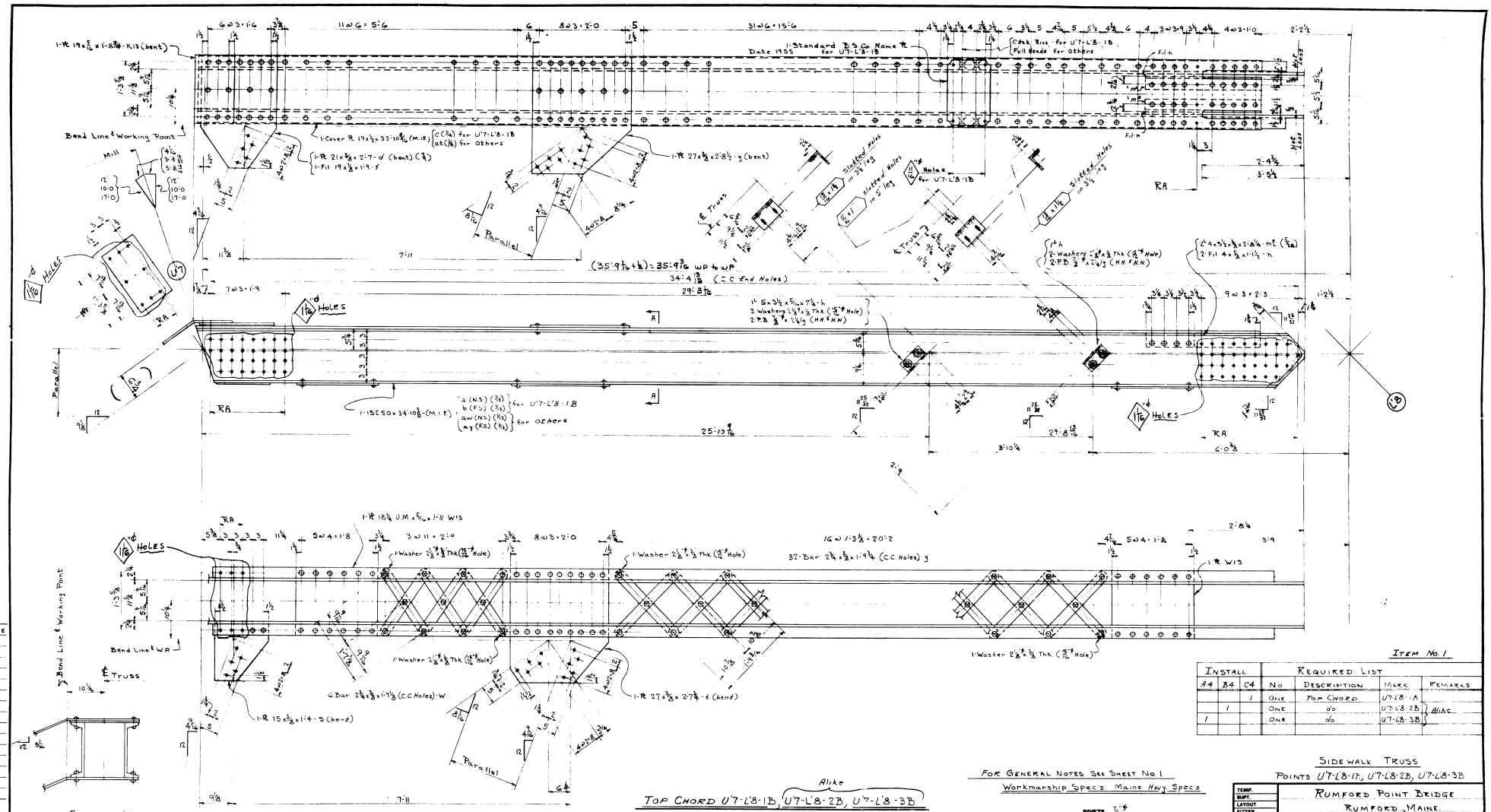
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE HWD MADE BY HF 9/23/54
CHECKED BY GW 9/29/54 TRACED BY
REVISED LAST ASSEM. MK.

CONTRACT CJ 3310 SHEET 15

61-165

0 1 2 3 4 5 INCHES



Top Chord U7-L8-1B, U7-L8-2B, U7-L8-3B (Alike)

Item No. 1

Install			Required List			
A4	B4	C4	No	Description	Mark	Remarks
		1	One	Top Chord	U7-L8-1A	
	1		One	do	U7-L8-2B	Alike
1			One	do	U7-L8-3B	

For General Notes See Sheet No. 1

Workmanship Spec's Maine Hwy. Spec's

RIVETS 7/8"φ

OPEN HOLES 15/16"φ Unless Noted

REAM See General Notes

MILLING As Noted

PAINT One Coat Red Lead (Ready Mixed) As Per Spec's AASHO-M72 Type I or Type II

WELDING None

SHOP CONTACT SURFACES Not Painted

SIDEWALK TRUSS

POINTS U7-L8-1B, U7-L8-2B, U7-L8-3B

RUMFORD POINT BRIDGE

RUMFORD, MAINE

CALLAHAN BROS MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE H.W.D. MADE BY F.R.M.

CHECKED BY G.W. 9/22/54 TRACED BY

REVISED LAST ASSEM. MK.

TEMP. SUPT. LAYOUT FITTER SHOP INSP. PC. WK. B. SMITH MCH. ERECT. O. INSP.

SHOP NO. 2

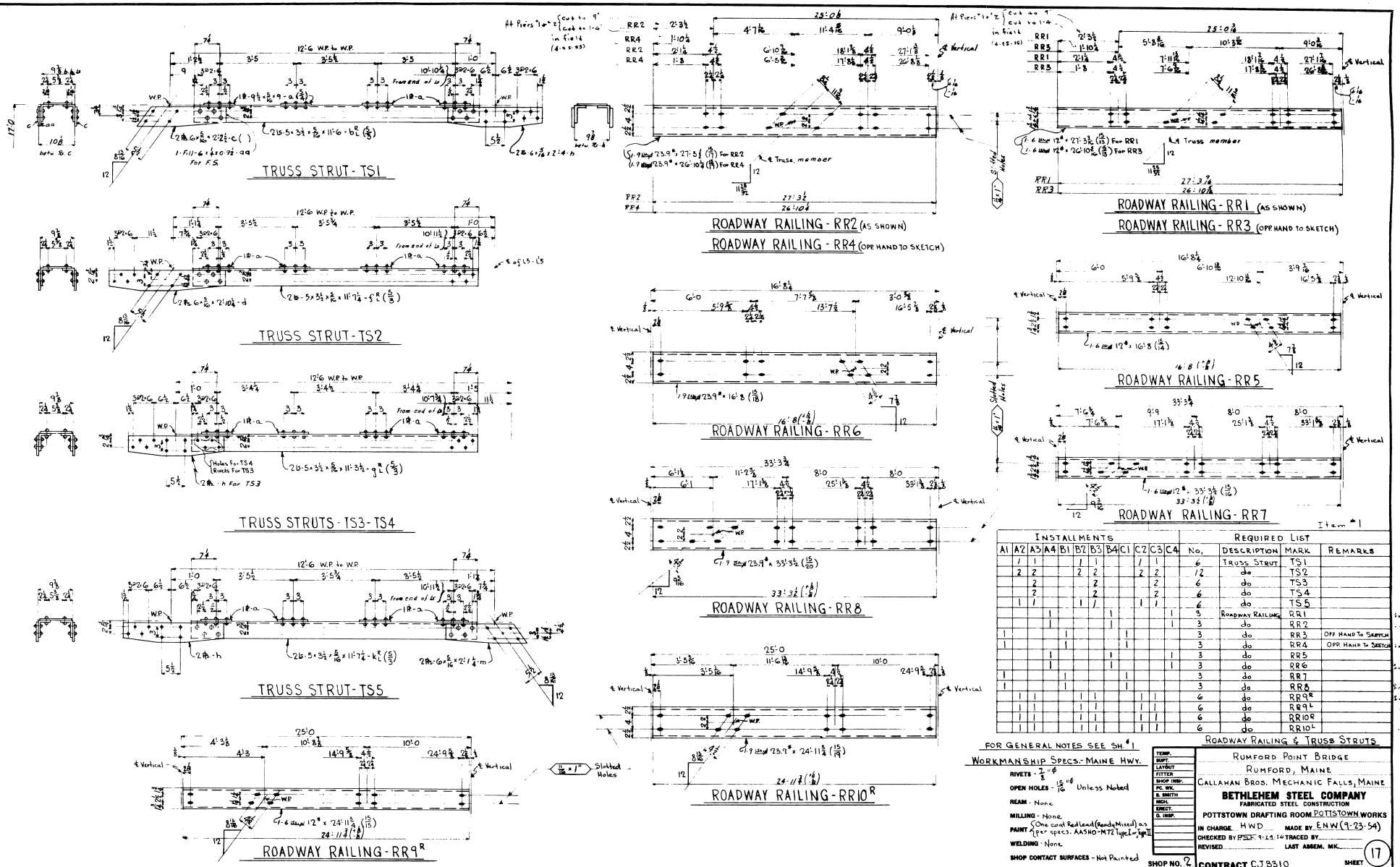
CONTRACT CJ3310

SHEET 16

61-166

FORGE SHOP

0 1 2 3 4 5 INCHES



INSTALLMENTS												REQUIRED LIST			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No.	DESCRIPTION	MARK	REMARKS
	1				1	1			1	1		6	TRUSS STRUT	TS1	
	2	2			2	2			2	2		12	do	TS2	
		2				2				2		6	do	TS3	
		2				2				2		6	do	TS4	
	1	1			1	1			1	1		6	do	TS5	
			1				1				1	3	ROADWAY RAILING	RR1	
			1				1				1	3	do	RR2	
1				1				1				3	do	RR3	OPP HAND TO SKETCH
1				1				1				3	do	RR4	OPP. HAND TO SKETCH
			1				1				1	3	do	RR5	
			1				1				1	3	do	RR6	
1				1				1				3	do	RR7	
1				1				1				3	do	RR8	
	1	1			1	1			1	1		6	do	RR9R	
	1	1			1	1			1	1		6	do	RR9L	
	1	1			1	1			1	1		6	do	RR10R	
	1	1			1	1			1	1		6	do	RR10L	

FOR GENERAL NOTES SEE SH. #1

WORKMANSHIP SPECS.- MAINE HWY.

RIVETS - $\frac{7}{8}$" ϕ

OPEN HOLES - $\frac{15}{16}$" ϕ Unless Noted

REAM - None

MILLING - None

PAINT - One coat Red Lead (Ready Mixed) as per specs. AASHO-M72 Type I or Type II

WELDING - None

SHOP CONTACT SURFACES - Not Painted

ROADWAY RAILING & TRUSS STRUTS

RUMFORD POINT BRIDGE

RUMFORD, MAINE

CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE HWD MADE BY ENW (9-23-54)

CHECKED BY PSF 9-24-54 TRACED BY

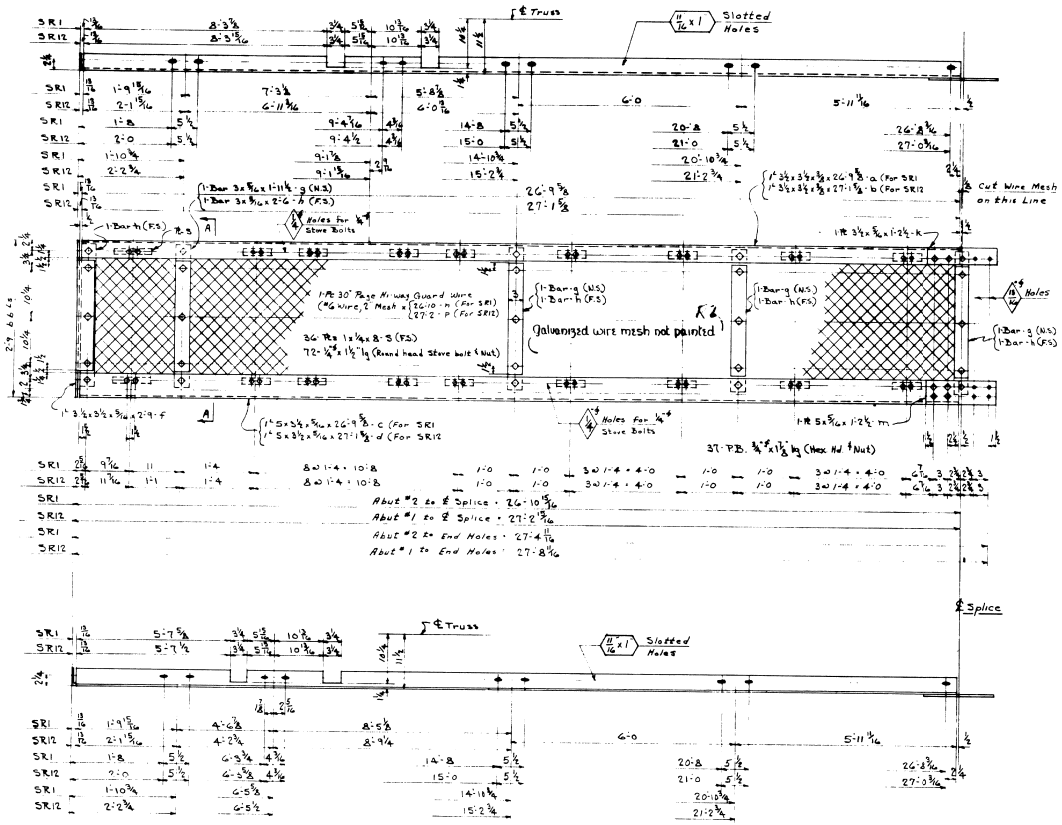
REVISED LAST ASSEM. MK.

SHOP NO. 2

CONTRACT CJ8310

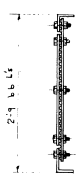
SHEET 17

61-167

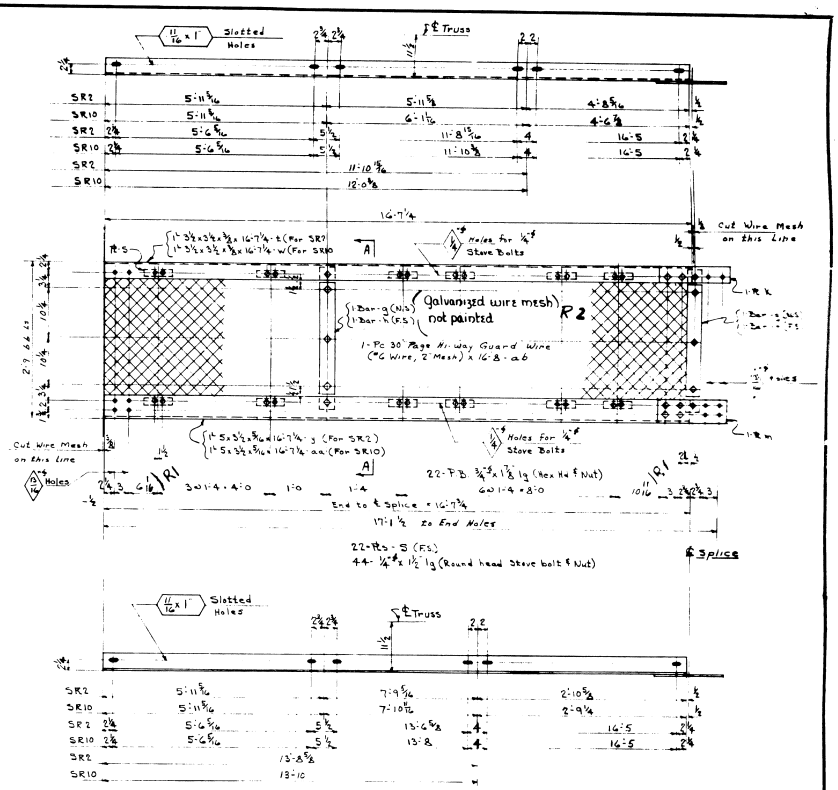


SIDEWALK RAILING SR1

" " -SR12 OPP HAND TO SKETCH



SECTION-AA



SIDEWALK RAILING - SR2 & SR10

ITEM-2

INSTALL				REQUIRED LIST			
A1	B1	C1	C4	No	DESCRIPTION	MARK	REMARKS
1				ONE	SIDEWALK RAILING	SR1	
			1	ONE	do	SR12	OPP HAND TO SKETCH
1				ONE	do	SR2	
	1	1		2	do	SR10	

For General Notes See Sheet #1

Workmanship Specs: Maine Highway Specs

RIVETS None

OPEN HOLES As Noted

REAM - See General Notes

MILLING None

PAINT One Coat Red Lead (Ready Mixed) (As Per Specs. AASHO-M72 Type 2 (Except as noted) or Type II

WELDING - None

SHOP CONTACT SURFACES - Not Painted

SIDEWALK RAILING

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
Q. INSP.	

RUMFORD POINT BRIDGE

RUMFORD, MAINE

CALLAHAN BROS MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE H.W.D. MADE BY F.R.M.

CHECKED BY WED 7-27-54 TRACED BY

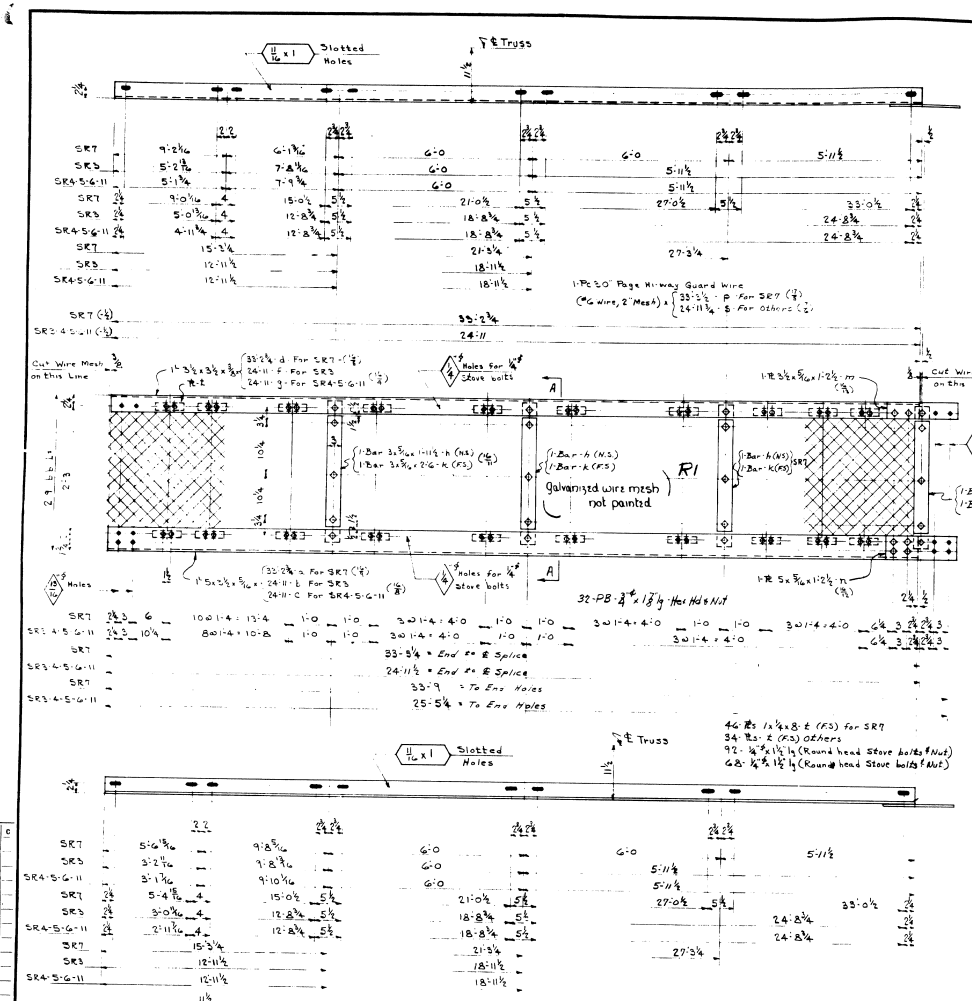
REVISED R1-12-6-54 LAST ASSEM. MK.

R2-12-22-54

SHOP NO. 2 CONTRACT CT 3310 SHEET 18

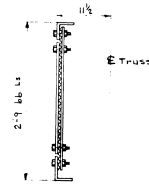
61-168

FORGE SUN

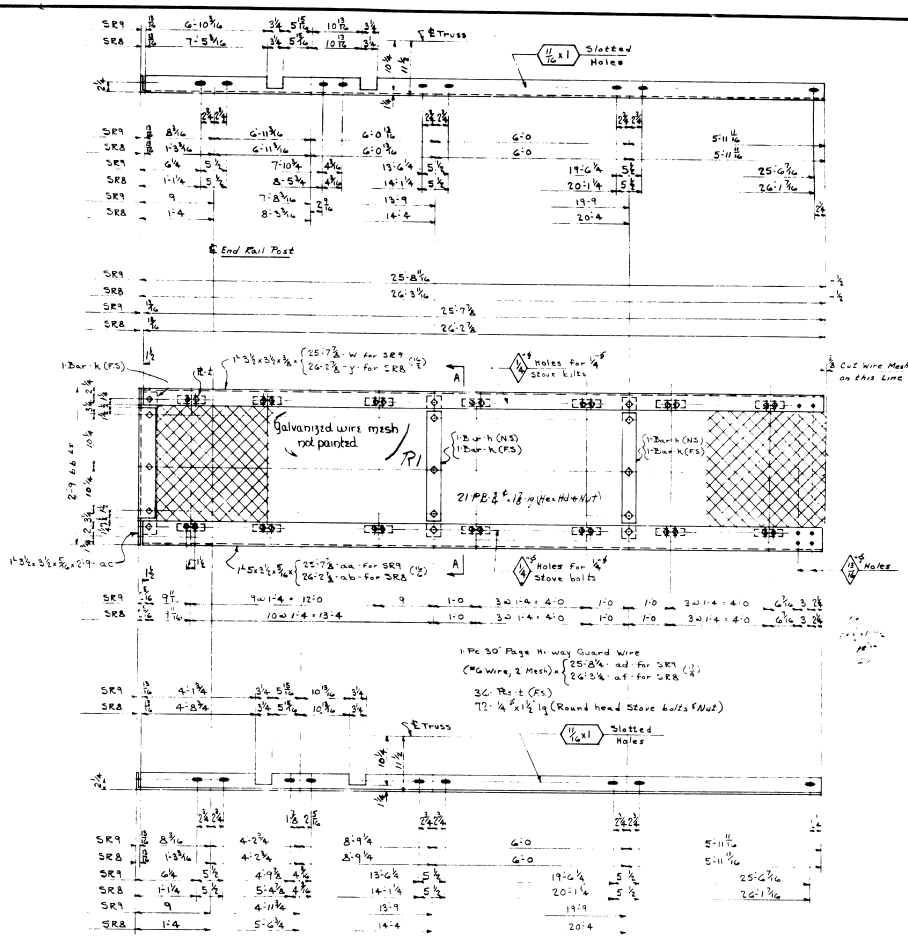


SIDEWALK RAILING - SR3 - SR4 - SR7 & SR11

do SR5 & SR6 (OPP HAND TO SR4)



SECTION - AA



SIDEWALK RAILING - SR9

do SR8 (OPP HAND TO SKETCH)

ITEM #2

INSTALLMENTS											REQUIRED LIST			
A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No	DESCRIPTION	MARK	REMARKS
1											ONE	SIDEWALK RAILING	SR3	
	1				1				1		3	do	SR4	
1				1				1			3	do	SR5	OPP HAND TO SR4
	1				1				1		3	do	SR6	OPP HAND TO SR4
		1				1				1	3	do	SR7	
		1				1					2	do	SR8	OPP HAND TO SKETCH
			1				1				2	do	SR9	
				1				1			2	do	SR11	

For General Notes See Sheet #1

Workmanship Spec's - Maine Highway Spec's

RIVETS None

OPEN HOLES As Noted

REAM See General Notes

MILLING None

PAINT One Coat Red Lead (Ready Mixed) As Per Specs - AASHO M72 Type I (Except as noted) or Type II

WELDING None

SHOP CONTACT SURFACES Not Painted

SIDEWALK RAILING

TEMP. / SUPT. / LAYOUT / FITTER / SHOP INSP. / PC. WK. / B. SMITH / MCH. / ERECT. / O. INSP.

RUMFORD POINT BRIDGE

RUMFORD, MAINE

CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE H.W.D. MADE BY F.P.M.

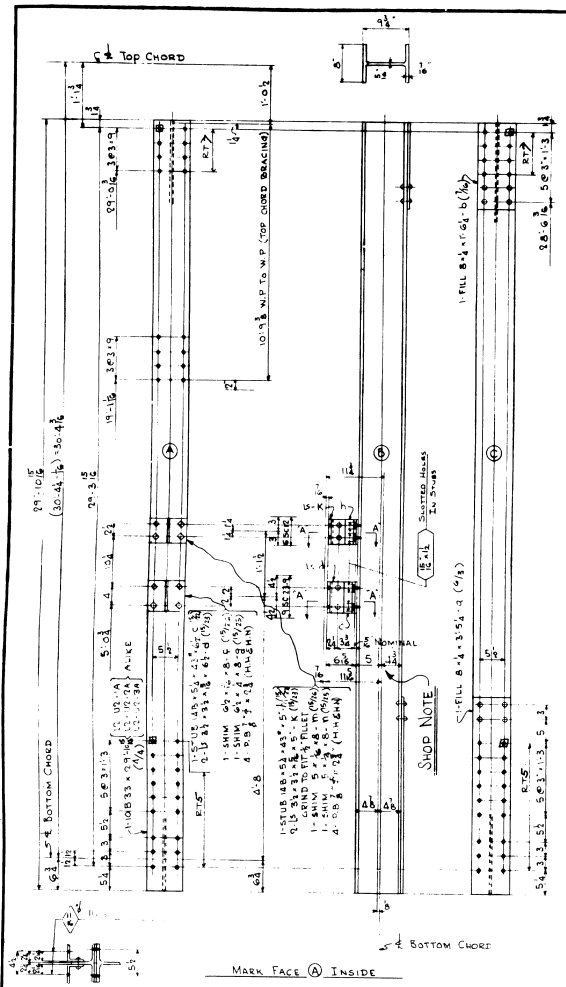
CHECKED BY WEL 12-1-54 TRACED BY

REVISED R1-12-22-54 LAST ASSEM. MK. 37

SHOP NO. 2 CONTRACT CJ 3310 SHEET 19

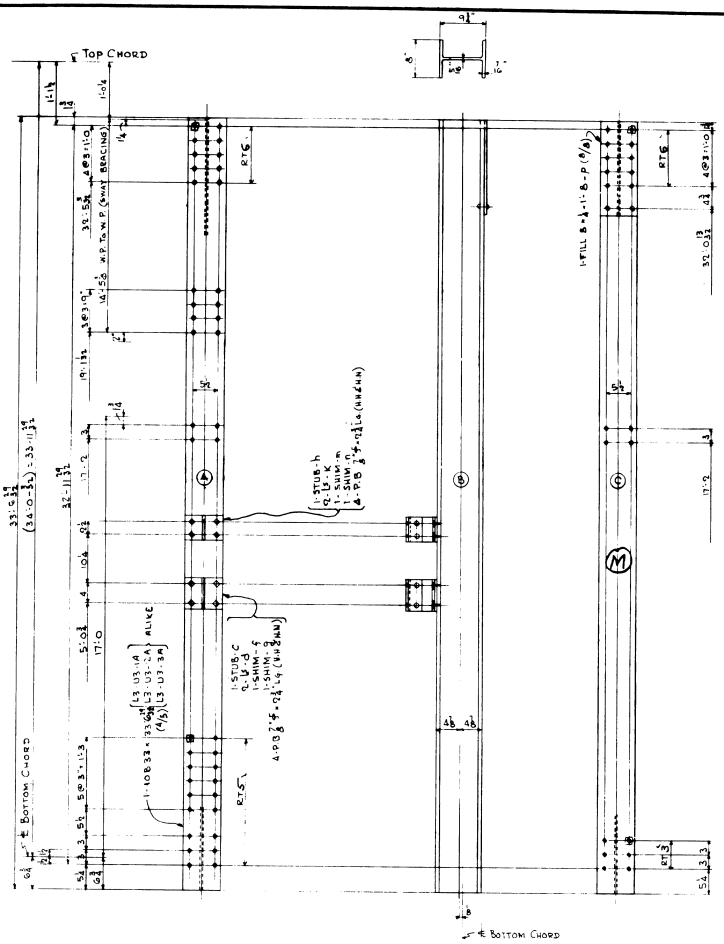
61-169 FORCE SHO

0 1 2 3 4 5 INCHES

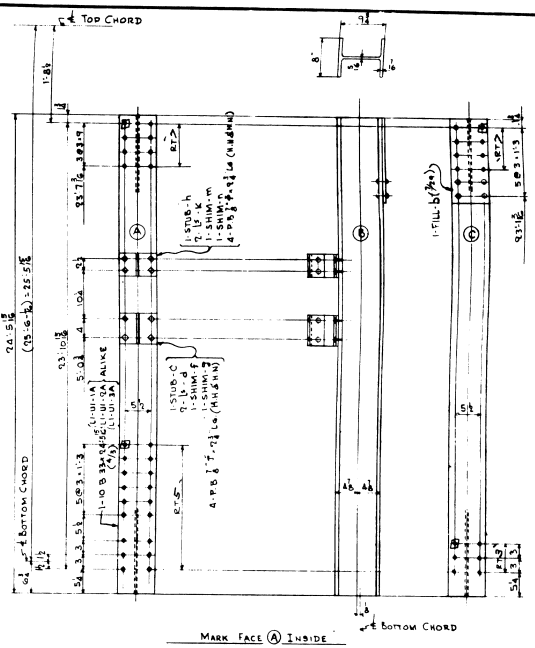


Section "A-A"

VERTICAL L2-U2-1A
VERTICAL L2-U2-2A } ALIKE
VERTICAL L2-U2-3A



VERTICAL L3-U3-1A
VERTICAL L3-U3-2A } ALIKE
VERTICAL L3-U3-3A



VERTICAL L1-U1-1A
VERTICAL L1-U1-2A } ALIKE
VERTICAL L1-U1-3A

Installments							Required List			
C4	C3	B4	B3	A4	A3		No	Description	Mark	Remarks
1							ONE	VERTICAL	L2-U2-1A	
		1					ONE	do	L2-U2-2A	ALIKE
					1		ONE	do	L2-U2-3A	
	1						ONE	do	L3-U3-1A	
			1				ONE	do	L3-U3-2A	ALIKE
					1		ONE	do	L3-U3-3A	
1							ONE	do	L1-U1-1A	
		1					ONE	do	L1-U1-2A	ALIKE
				1			ONE	do	L1-U1-3A	

For General Notes See Sheet # 1

Workmanship Specs: Maine Hwy Specs.

Rivets 7/8"ϕ
Open Holes 15/16"ϕ unless noted
Ream as noted } R1
Milling None
Paint one coat (see specs. for exc. mixed) as per spec. Maine Hwy Spec. or Type II
Welding None
Shop contact surfaces not painted

Verticals — Roadway Trusses

Rumford Point Bridge
Rumford, Maine
Callahan Bros. Mechanic Falls, Maine

BETHLEHEM STEEL COMPANY
Fabricated Steel Construction
Pottstown Drafting Room Pottstown Works

In Charge HVD	Made by HF 8/25/54
Checked by AJD 9/14/54	Traced by
Revised R1 10/11/54	Last Assem. Mk.

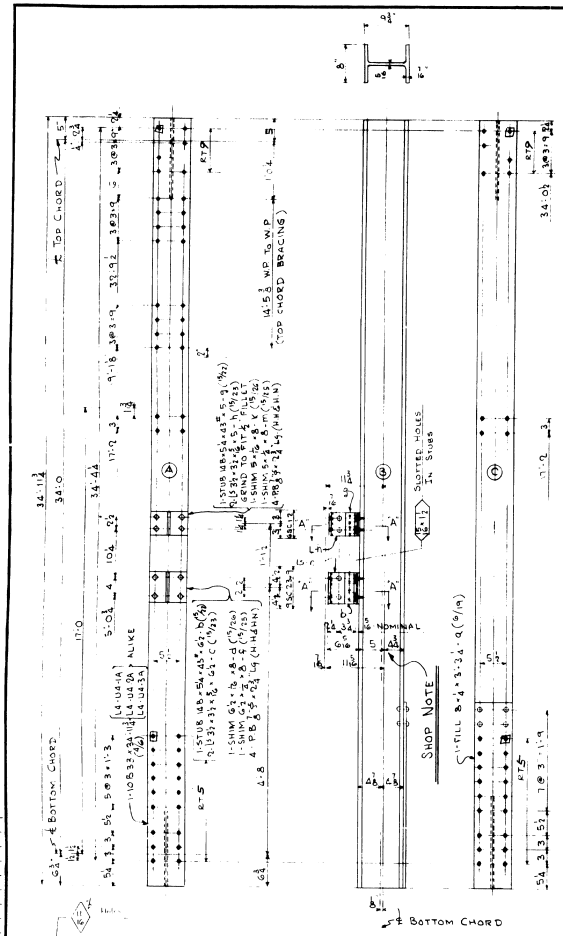
Temp. / Rept. / Layout / Fitter / Shop Insp. / Pc. Wk. / B. Smith / Mch. / Erect. / Q. Insp.

Shop No. 2 Contract CJ 3310 Sheet 60

61-170 OCT 5 1954

FORGE SHOP

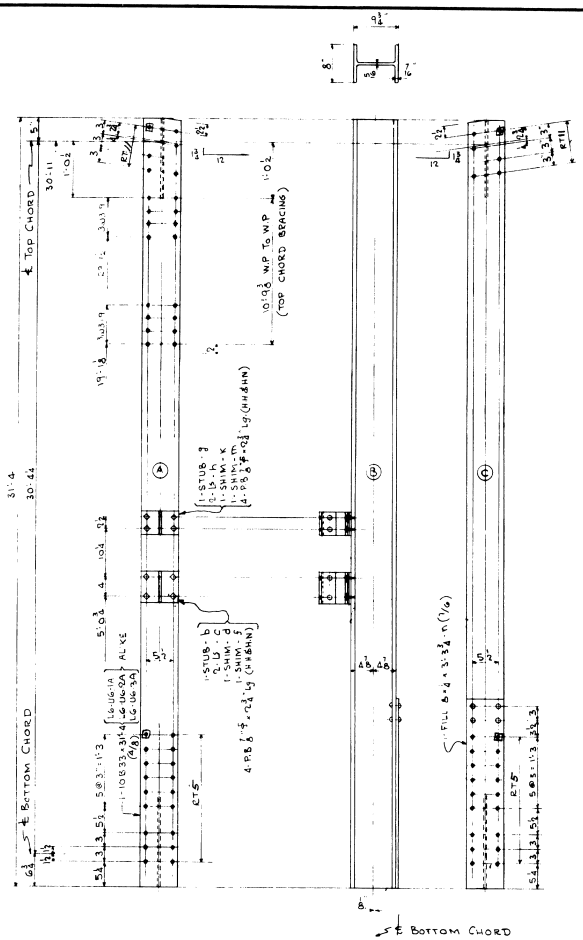
0 1 2 3 4 5 Inches



MARK FACE Ⓐ INSIDE

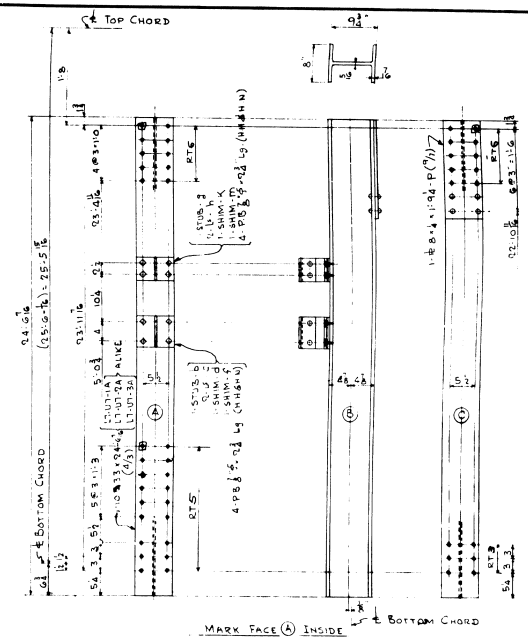
SECTION "A-A"

VERTICAL	L4-U4-1A	ALIKE
VERTICAL	L4-U4-2A	
VERTICAL	L4-U4-3A	



MARK FACE Ⓐ INSIDE

VERTICAL	L6-U6-1A	ALIKE
VERTICAL	L6-U6-2A	
VERTICAL	L6-U6-3A	



MARK FACE Ⓐ INSIDE

VERTICAL	L7-U7-1A	ALIKE
VERTICAL	L7-U7-2A	
VERTICAL	L7-U7-3A	

INSTALLMENTS									REQUIRED LIST			
C3	C2	C1	B3	B2	B1	A3	A2	A1	No.	DESCRIPTION	MARK	REMARKS
1									ONE	VERTICAL	L4-U4-1A	
			1						ONE	do	L4-U4-2A	ALIKE
						1			ONE	do	L4-U4-3A	
	1								ONE	do	L6-U6-1A	
				1					ONE	do	L6-U6-2A	ALIKE
							1		ONE	do	L6-U6-3A	
		1							ONE	do	L7-U7-1A	
					1				ONE	do	L7-U7-2A	ALIKE
								1	ONE	do	L7-U7-3A	

FOR GENERAL NOTES SEE SHEET #1

WORKMANSHIP SPECS: MAINE HWY. SPECS.

RIVETS 7/8" ⌀
OPEN HOLES 15/16" ⌀ UNLESS NOTED
REAM ⌀ NOTED) R1
MILLING NONE
PAINT ONE [illegible] LEAD (READY MIXED) AS PER [illegible] AASHO-M72 TYPE I OR TYPE II
WELDING NONE
SHOP CONTACT SURFACES NOT PAINTED

VERTICALS – ROADWAY TRUSSES

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

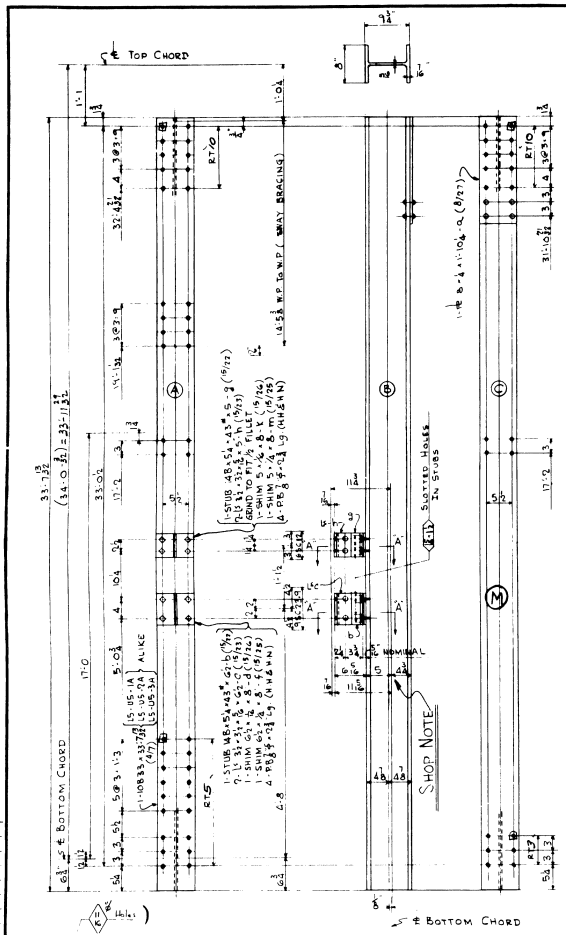
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

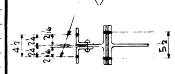
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

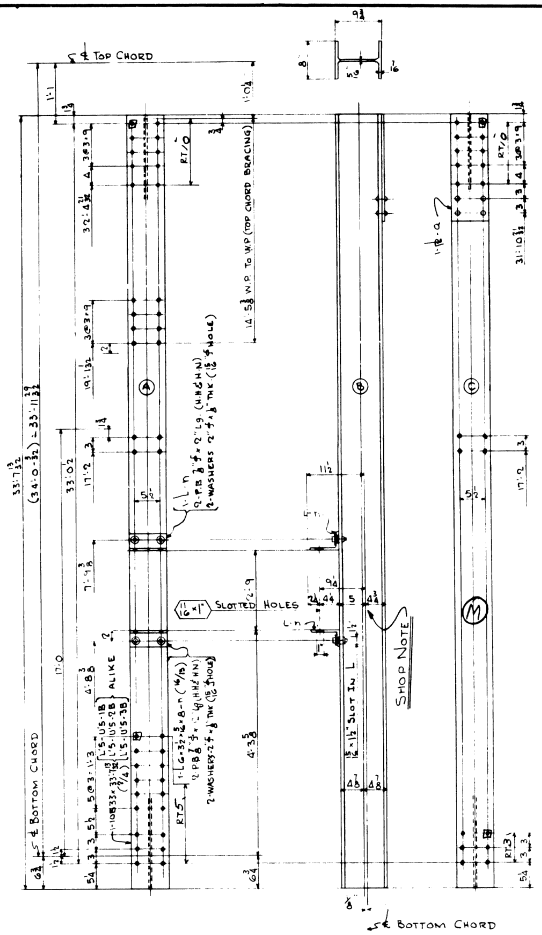
IN CHARGE HWD MADE BY HF 8/26/54
CHECKED BY 9/14/54 TRACED BY
REVISED R1-10/11/54 LAST ASSEM. MK.
SHOP NO. 2
CONTRACT CJ3310 SHEET 21

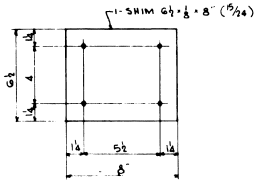
61-171

0 1 2 3 4 5 INCHES

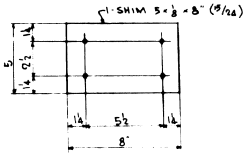








SHIM SH3



SHIM SH4

INSTALLMENTS							REQUIRED LIST			
A1	C3	C9	B3	B7	A3	A7	No.	DESCRIPTION	MARK	REMARKS
		1					ONE	VERTICAL	L5-U5-1A	ALIKE
			1				ONE	do	L5-U5-2A	
				1			ONE	do	L5-U5-3A	
							ONE	do	L5-U5-1B	ALIKE
		1					ONE	do	L5-U5-2B	
					1		ONE	do	L5-U5-3B	
21							21	SHIMS	SH3	
21							21	SHIMS	SH4	

VERTICAL	L5-U5-1A	ALIKE
VERTICAL	L5-U5-2A	
VERTICAL	L5-U5-3A	

VERTICAL	L'5-U'5-1B	ALIKE
VERTICAL	L'5-U'5-2B	
VERTICAL	L'5-U'5-3B	

FOR GENERAL NOTES SEE SHEET # 1

WORKMANSHIP SPECS: MAINE HWY. SPECS.

RIVETS $\frac{7}{8}$"ϕ
OPEN HOLES $\frac{15}{16}$"ϕ UNLESS NOTED
REAM AS NOTED
MILLING NONE
PAINT ONE COAT RED LEAD (READY MIXED) AS PER SPEC. AASHO-M72 TYPE I OR TYPE II
WELDING NONE
SHOP CONTACT SURFACES NOT PAINTED

VERTICALS - ROADWAY & SIDEWALK TRUSSES

TEMP.	
RUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
O. INSP.	

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

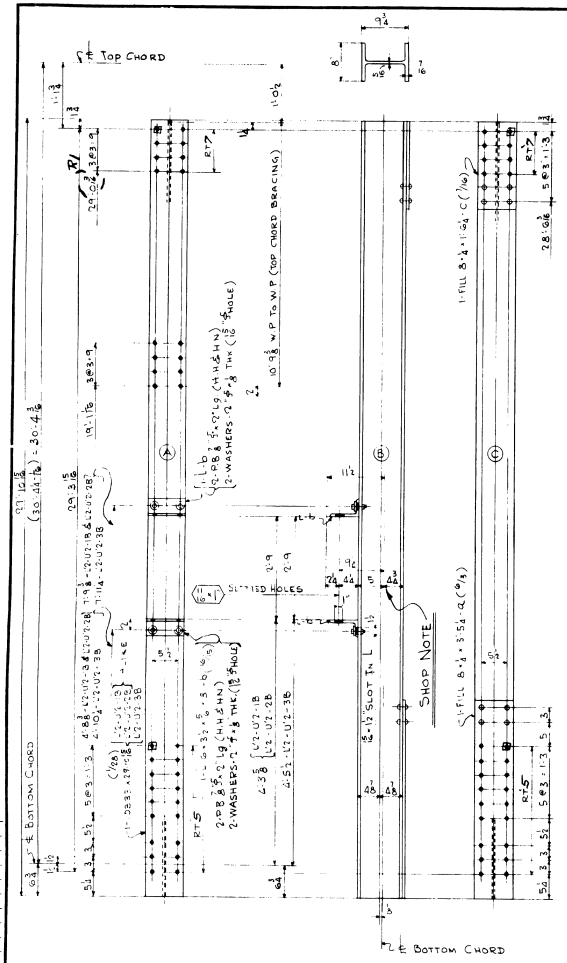
IN CHARGE HWD MADE BY H F 8/30/54
CHECKED BY AJD 9/14/54 TRACED BY
REVISED RI-10/8-54 LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ 3310 SHEET 22

61-1,72

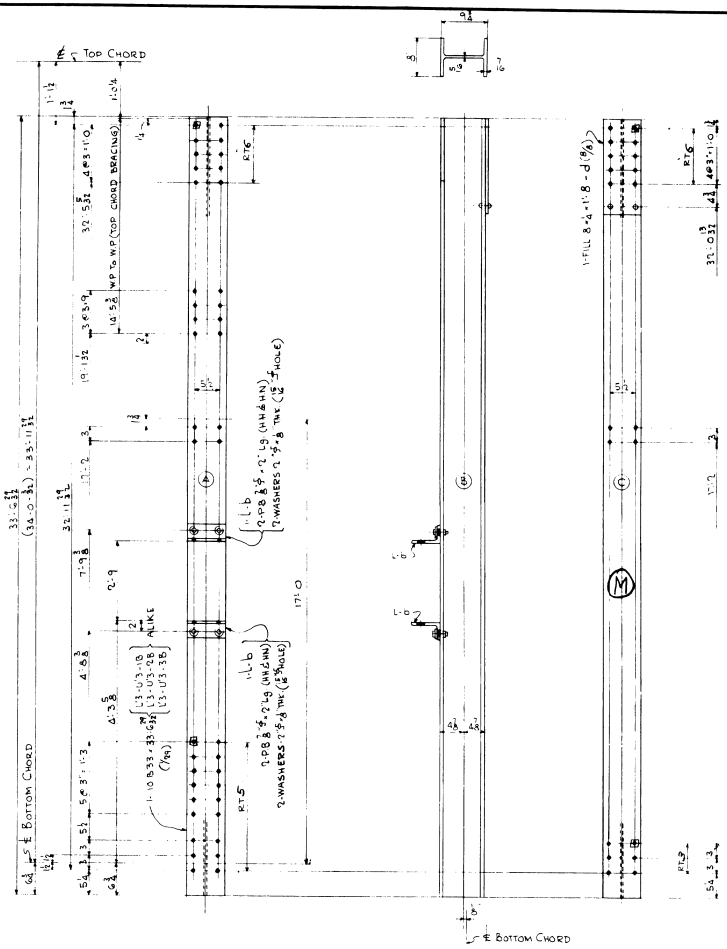
FORGE SHOP

0 1 2 3 4 5 INCHES



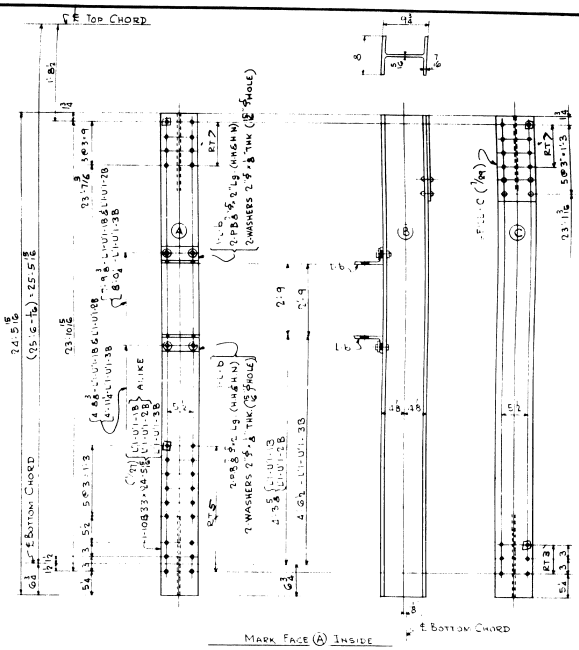
Mark Face (A) Inside

Vertical L'2-U'2-1B
Vertical L'2-U'2-2B } Alike
Vertical L'2-U'2-3B



Mark Face (A) Inside

Vertical L'3-U'3-1B
Vertical L'3-U'3-2B } Alike
Vertical L'3-U'3-3B



Mark Face (A) Inside

Vertical L'1-U'1-1B
Vertical L'1-U'1-2B } Alike
Vertical L'1-U'1-3B

Installments						Required List			
C2	C1	B2	B1	A2	A1	No	Description	Mark	Remarks
1						One	Vertical	L'2-U'2-1B	Alike
		1				One	do	L'2-U'2-2B	
				1		One	do	L'2-U'2-3B	
1						One	do	L'3-U'3-1B	
		1				One	do	L'3-U'3-2B	Alike
				1		One	do	L'3-U'3-3B	
	1					One	do	L'1-U'1-1B	Alike
			1			One	do	L'1-U'1-2B	
					1	One	do	L'1-U'1-3B	

For General Notes See Sheet #1

Workmanship Specs: Maine Hwy. Specs.

Rivets 7/8 ⌀
Open Holes 15/16 ⌀ Unless Noted
Ream A. Noted) R
Milling None
Paint One Coat Red Lead (Ready Mixed) As Per Specs. Nasho-M7# Type I or Type II
Welding None
Shop Contact Surfaces Not Painted

Verticals — Sidewalk Trusses

Temp.
Supt.
Layout
Fitter
Shop Insp.
Pc. Wk.
B. Smith
Mch.
Erect.
O. Insp.

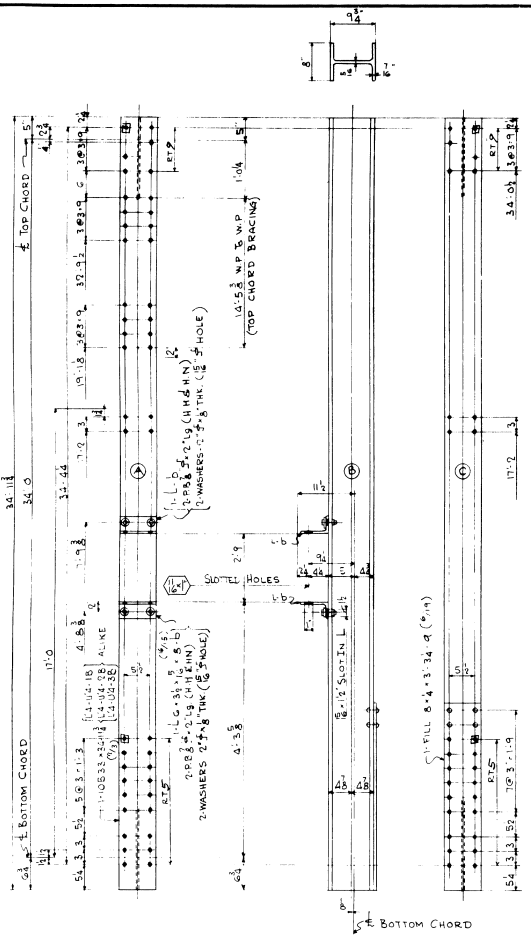
Rumford Point Bridge
Rumford, Maine
Callahan Bros. Mechanic Falls, Maine

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WOHKS

In Charge HWD
Made By HF 9/1/54
Checked By AJD 9/15/54
Traced By
Revised R1-10/8/54 A2-10/11/54
Last Assem. Mk. 5
Shop No. 2
Contract CJ 3310
Sheet 23

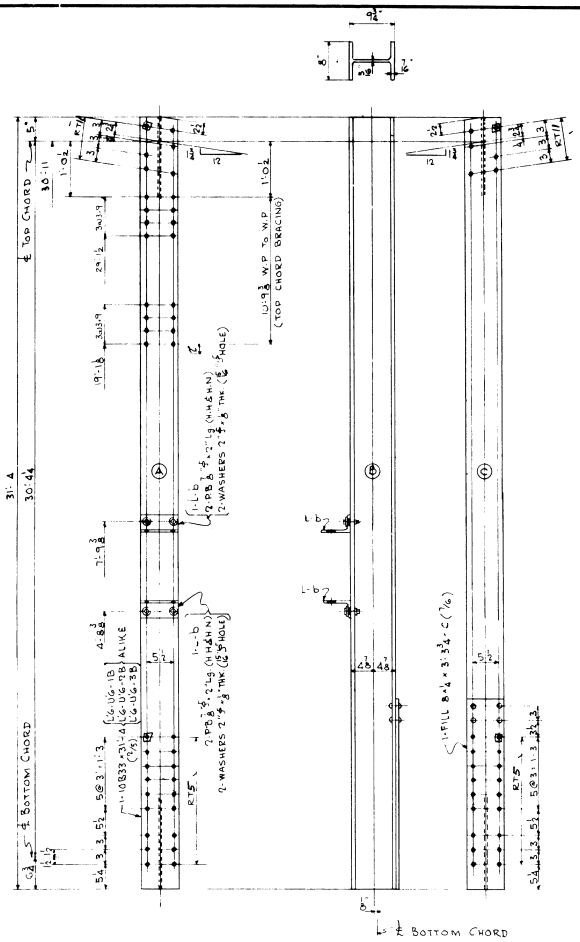
61-173

0 1 2 3 4 5 INCHES



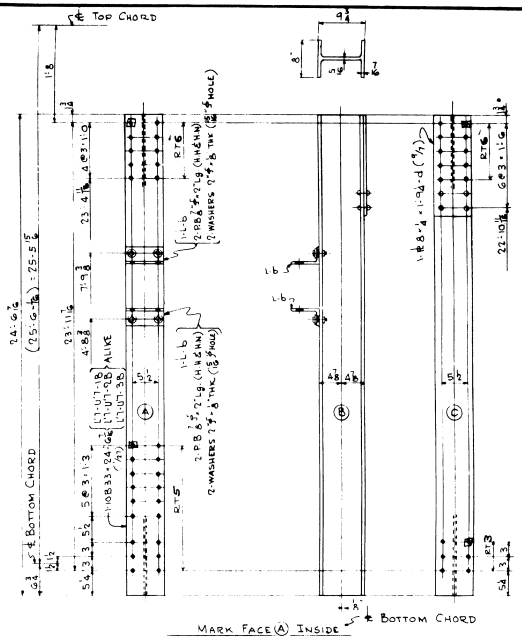
MARK FACE (A) INSIDE

VERTICAL	L'4-U'4-1B	ALIKE
VERTICAL	L'4-U'4-2B	
VERTICAL	L'4-U'4-3B	



MARK FACE (A) INSIDE

VERTICAL	L'6-U'6-1B	ALIKE
VERTICAL	L'6-U'6-2B	
VERTICAL	L'6-U'6-3B	



MARK FACE (A) INSIDE

VERTICAL	L'7-U'7-1B	ALIKE
VERTICAL	L'7-U'7-2B	
VERTICAL	L'7-U'7-3B	

INSTALLMENTS						REQUIRED		LIST	
C4	C3	B4	B3	A4	A3	No.	DESCRIPTION	MARK	REMARKS
	1					ONE	VERTICAL	L'4-U'4-1B	
			1			ONE	do	L'4-U'4-2B	ALIKE
					1	ONE	do	L'4-U'4-3B	
1						ONE	do	L'6-U'6-1B	
		1				ONE	do	L'6-U'6-2B	ALIKE
				1		ONE	do	L'6-U'6-3B	
1						ONE	do	L'7-U'7-1B	
		1				ONE	do	L'7-U'7-2B	ALIKE
				1		ONE	do	L'7-U'7-3B	

FOR GENERAL NOTES SEE SHEET #1

WORKMANSHIP SPECS: MAINE H.W. SPECS.

RIVETS 7/8" ϕ
OPEN HOLES 15/16" ϕ UNLESS NOTED
REAM (AS LISTED) RI
MILLING NONE
PAINT AS PER SPECS. (LEAD PAINT KIND)
WELDING NONE TYPE II
SHOP CONTACT SURFACES NOT PAINTED

VERTICALS — SIDEWALK TRUSSES

TEMP.	
RUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
Q. INSP.	

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

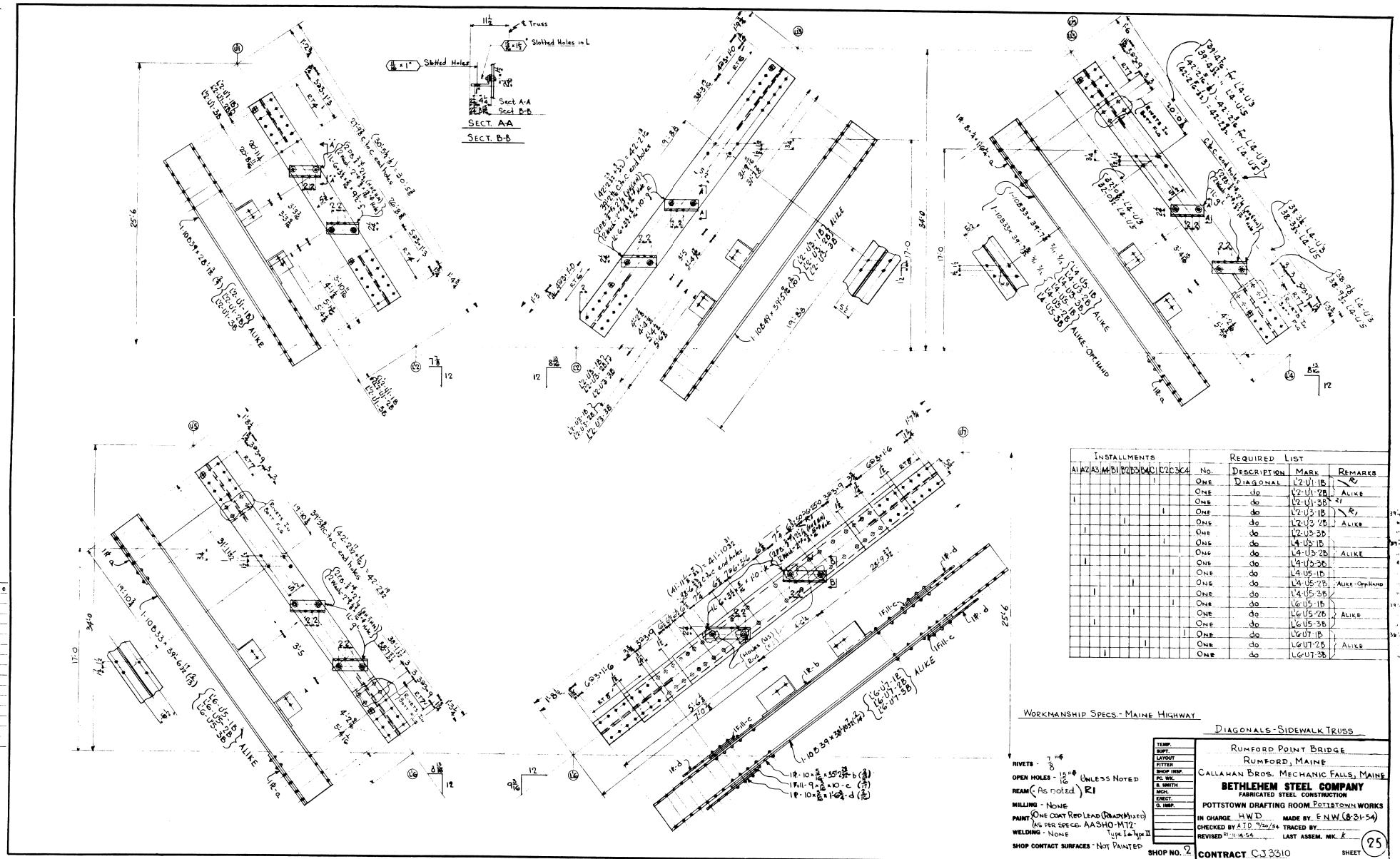
IN CHARGE H.W.D. MADE BY H.F. 8/31/54
CHECKED BY A.J.D. 9/15/54 TRACED BY
REVISED RI-10/11/54 LAST ASSEM. MK.

SHOP NO. 2 CONTRACT C.J. 3310 SHEET 24

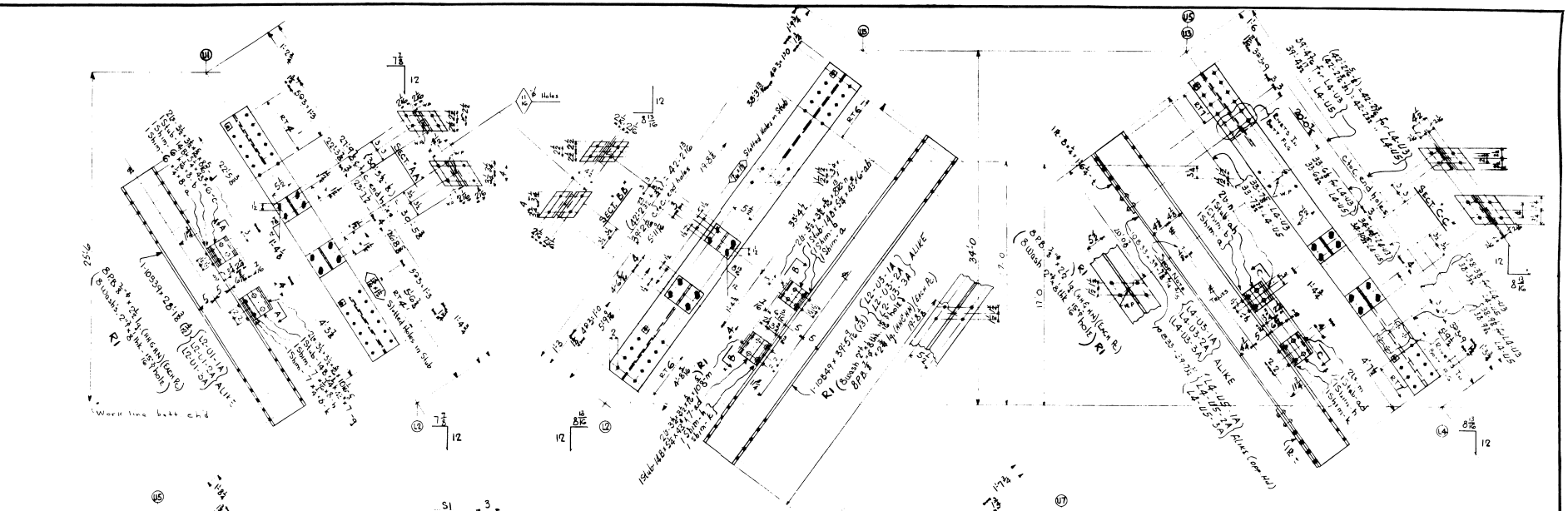
61-174

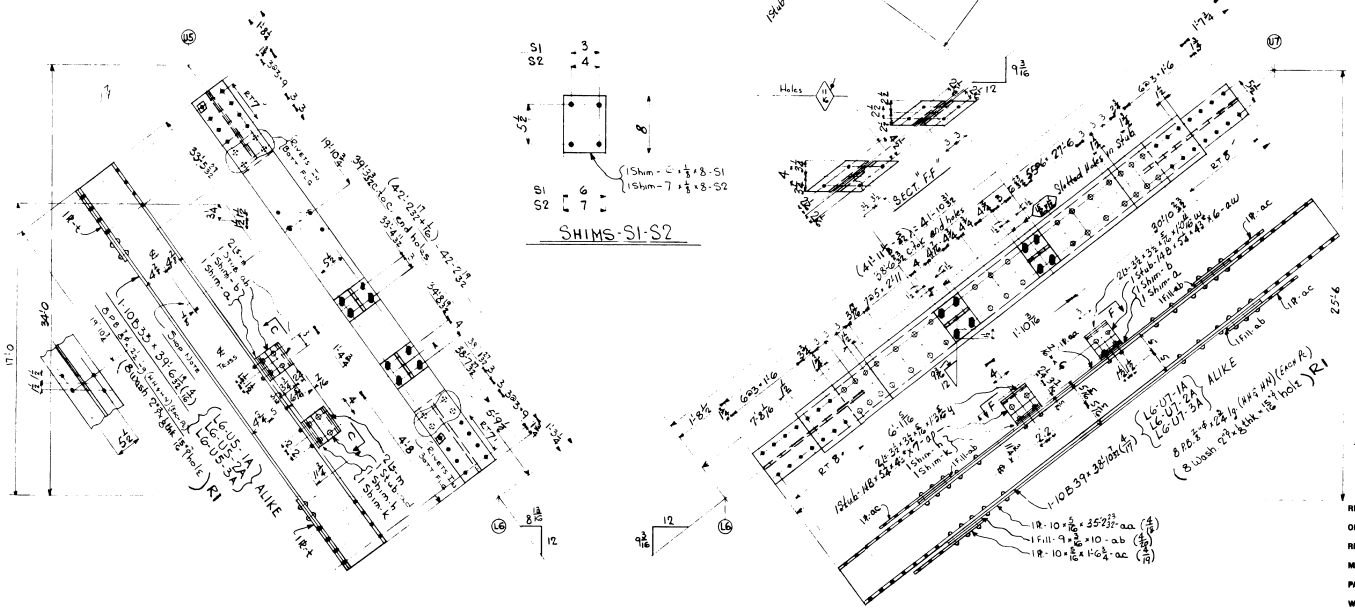
FORGE SHOP

0 1 2 3 4 5 INCHES



INSTALLMENTS													REQUIRED LIST			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4		No.	Description	Mark	Remarks
													One	Diagonal	L2-U1-1B	R
													One	do	L2-U1-2B	Alike
													One	do	L2-U1-3B	R1
													One	do	L2-U3-1B	R1
													One	do	L2-U3-2B	Alike
													One	do	L2-U3-3B	
													One	do	L4-U5-1B	
													One	do	L4-U5-2B	Alike
													One	do	L4-U5-3B	
													One	do	L4-U5-1B	
													One	do	L4-U5-2B	Alike-Opp Hand
													One	do	L4-U5-3B	
													One	do	L6-U5-1B	
													One	do	L6-U5-2B	Alike
													One	do	L6-U5-3B	
													One	do	L6-U7-1B	
													One	do	L6-U7-2B	Alike
													One	do	L6-U7-3B	





Installments											Required List			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No.	Description	Mark	Remarks
											1	One	Diagonal	L2-U1-1A	
							1					One	do	L2-U1-2A	Alike
			1									One	do	L2-U1-3A	
										1		One	do	L2-U3-1A	
						1						One	do	L2-U3-2A	Alike
		1										One	do	L2-U3-3A	
										1		One	do	L4-U3-1A	
						1						One	do	L4-U3-2A	Alike
		1										One	do	L4-U3-3A	
									1			One	do	L4-U5-1A	
					1							One	do	L4-U5-2A	Alike-Opp. Hand
	1											One	do	L4-U5-3A	
									1			One	do	L6-U5-1A	
					1							One	do	L6-U5-2A	Alike
	1											One	do	L6-U5-3A	
								1				One	do	L6-U7-1A	
				1								One	do	L6-U7-2A	Alike
1												One	do	L6-U7-3A	
18												18	Shims	S1	
18												18	do	S2	

Workmanship Specs.- Maine Highway

Diagonals - Roadway Truss

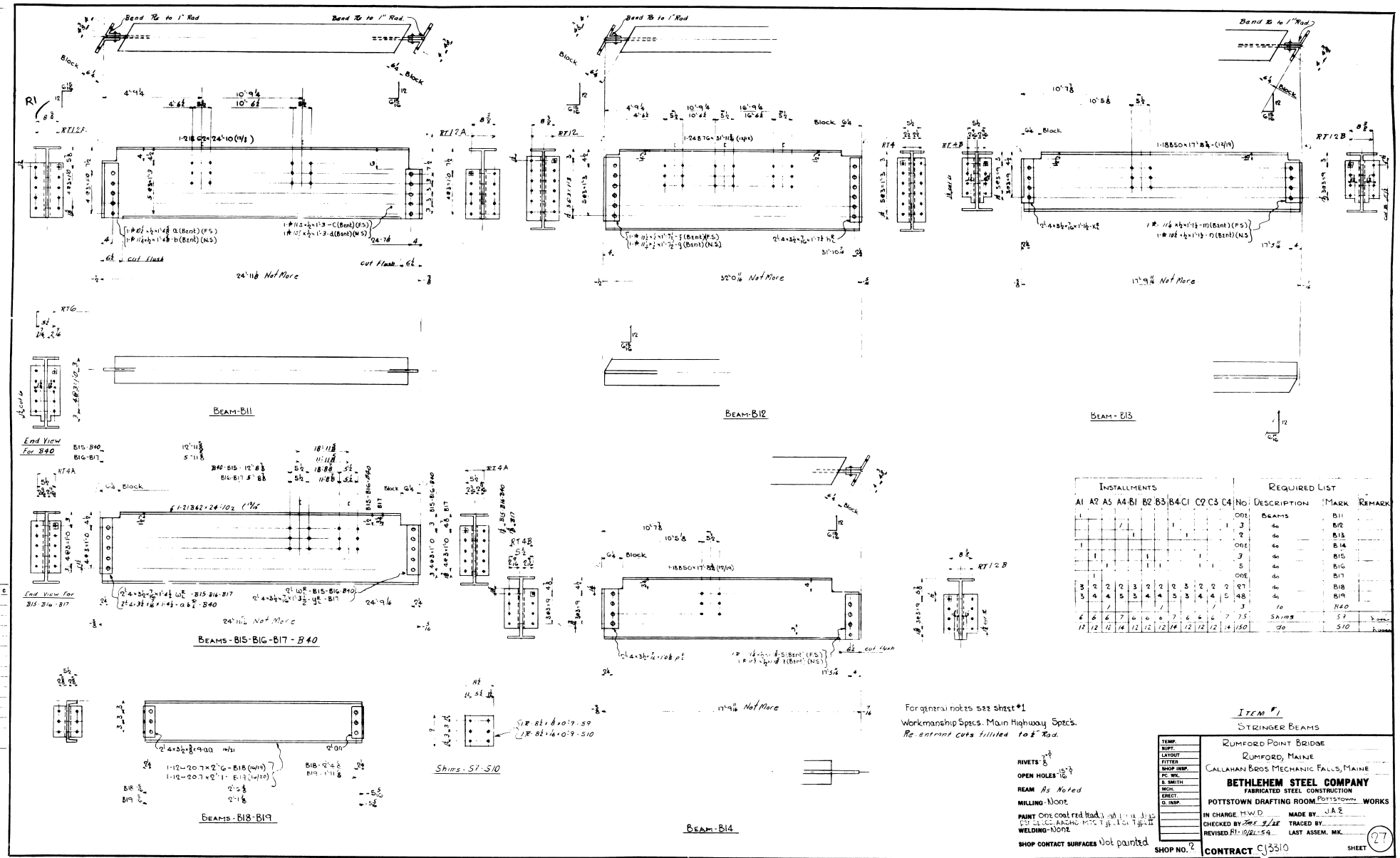
RIVETS - 7/8"φ
OPEN HOLES - 15/16"φ Unless Noted
REAM - A = not 2d
MILLING - None
PAINT - One coat Red Lead (Ready Mixed) As per Specs. AASHO-M72 Type I ~ Type II
WELDING - None
SHOP CONTACT SURFACES - Not Painted

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

Rumford Point Bridge
Rumford, Maine
Callahan Bros. Mechanic Falls, Maine
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS
IN CHARGE H W D
MADE BY E N W (8-27-54)
CHECKED BY A J D 9/16/54
TRACED BY
REVISED R.P.M. 4-54
LAST ASSEM. MK. ac
SHOP NO. 2
CONTRACT CJ 3310
SHEET 26

61-176

0 1 2 3 4 5 INCHES



INSTALLMENTS												REQUIRED LIST			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No	DESCRIPTION	MARK	REMARK
1												ONE	BEAMS	B11	
			1				1				1	3	do	B12	
				1				1				2	do	B13	
1												ONE	do	B14	
	1				1				1			3	do	B15	
		1			1	1				1		5	do	B16	
	1											ONE	do	B17	
3	2	2	2	3	2	2	2	3	2	2	2	27	do	B18	
3	4	4	5	3	4	4	5	3	4	4	5	48	do	B19	
		1				1				1		3	to	B40	
6	6	6	7	6	6	6	7	6	6	6	7	75	Shims	S7	[illegible]
12	12	12	14	12	12	12	14	12	12	12	14	150	do	S10	[illegible]

For general notes see sheet #1
Workmanship Specs. Main Highway Specs.
Re-entrant cuts filleted to ¼" Rad.

ITEM #1
STRINGER BEAMS

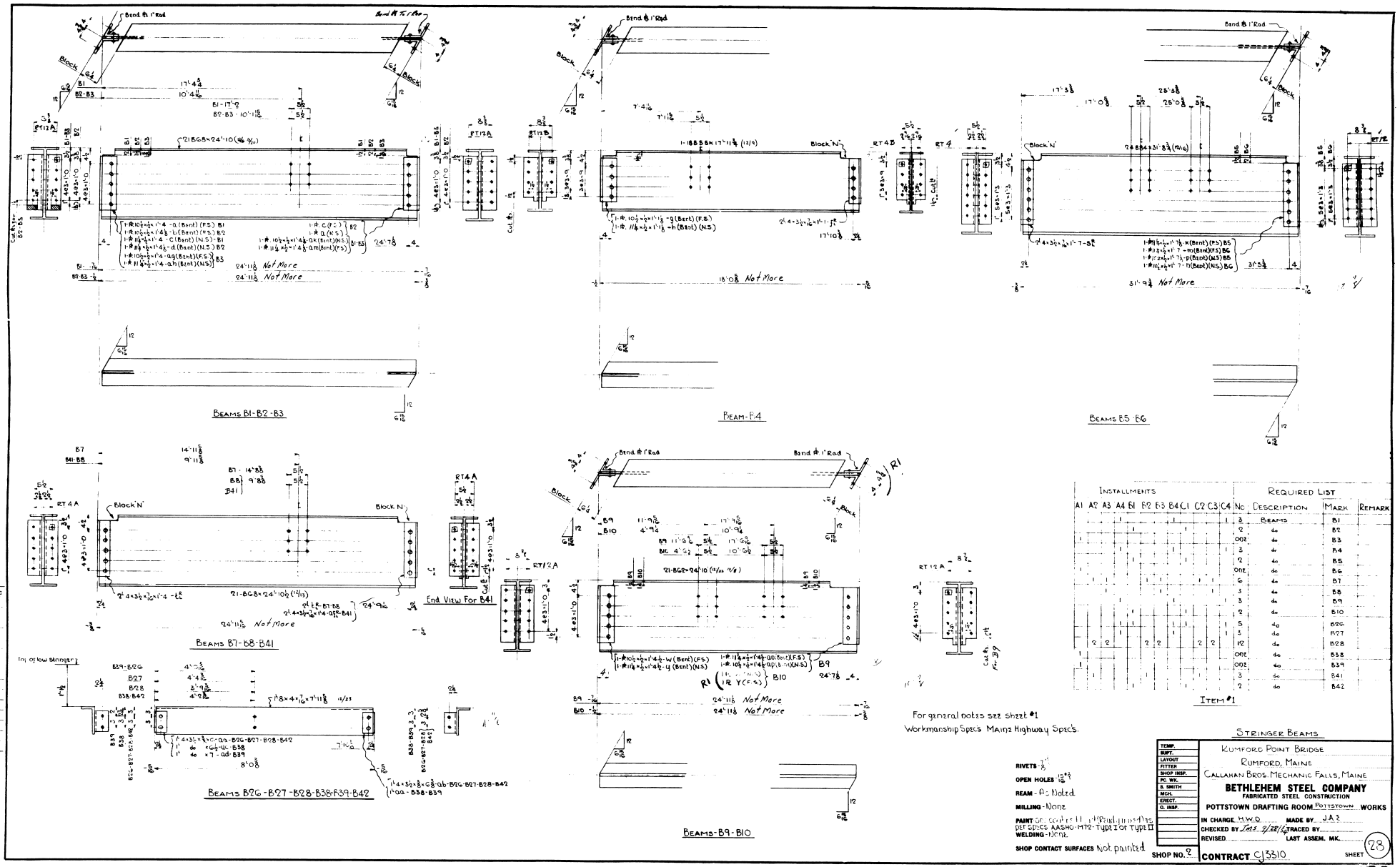
RIVETS 7/8"
OPEN HOLES 15/16"
REAM As Noted
MILLING - None
PAINT One coat red lead [illegible]
WELDING - None
SHOP CONTACT SURFACES Not painted

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS MECHANIC FALLS, MAINE
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
IN CHARGE H.W.D. MADE BY J.A.E.
CHECKED BY TMS 9/28 TRACED BY
REVISED R1-10/21-54 LAST ASSEM. MK.
SHOP NO. 2 CONTRACT CJ3310 SHEET 27

FOR SHOP 61-177

0 1 2 3 4 5 INCHES



Installments												Required List			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No	Description	Mark	Remark
			1				1				1	3	Beams	B1	
				1				1				2	do	B2	
1												002	do	B3	
							1				1	3	do	B4	
												2	do	B5	
												002	do	B6	
						1						6	do	B7	
							1				1	3	do	B8	
								1			1	3	do	B9	
				1								2	do	B10	
				1				1			1	5	do	B26	
			1					1			1	3	do	B27	
	2	2			2	2			2	2		12	do	B28	
1												002	do	B38	
1												002	do	B39	
	1											3	do	B41	
												2	do	B42	

Item #1

For general notes see sheet #1
Workmanship Specs Maine Highway Specs.

RIVETS - 7/8"
OPEN HOLES - 15/16"
REAM - As Noted
MILLING - None
PAINT - See contract Ltr. Rend. [illegible] per Specs AASHO-M72-Type I or Type II
WELDING - None
SHOP CONTACT SURFACES Not painted

Stringer Beams

Kumford Point Bridge
Rumford, Maine
Callahan Bros. Mechanic Falls, Maine

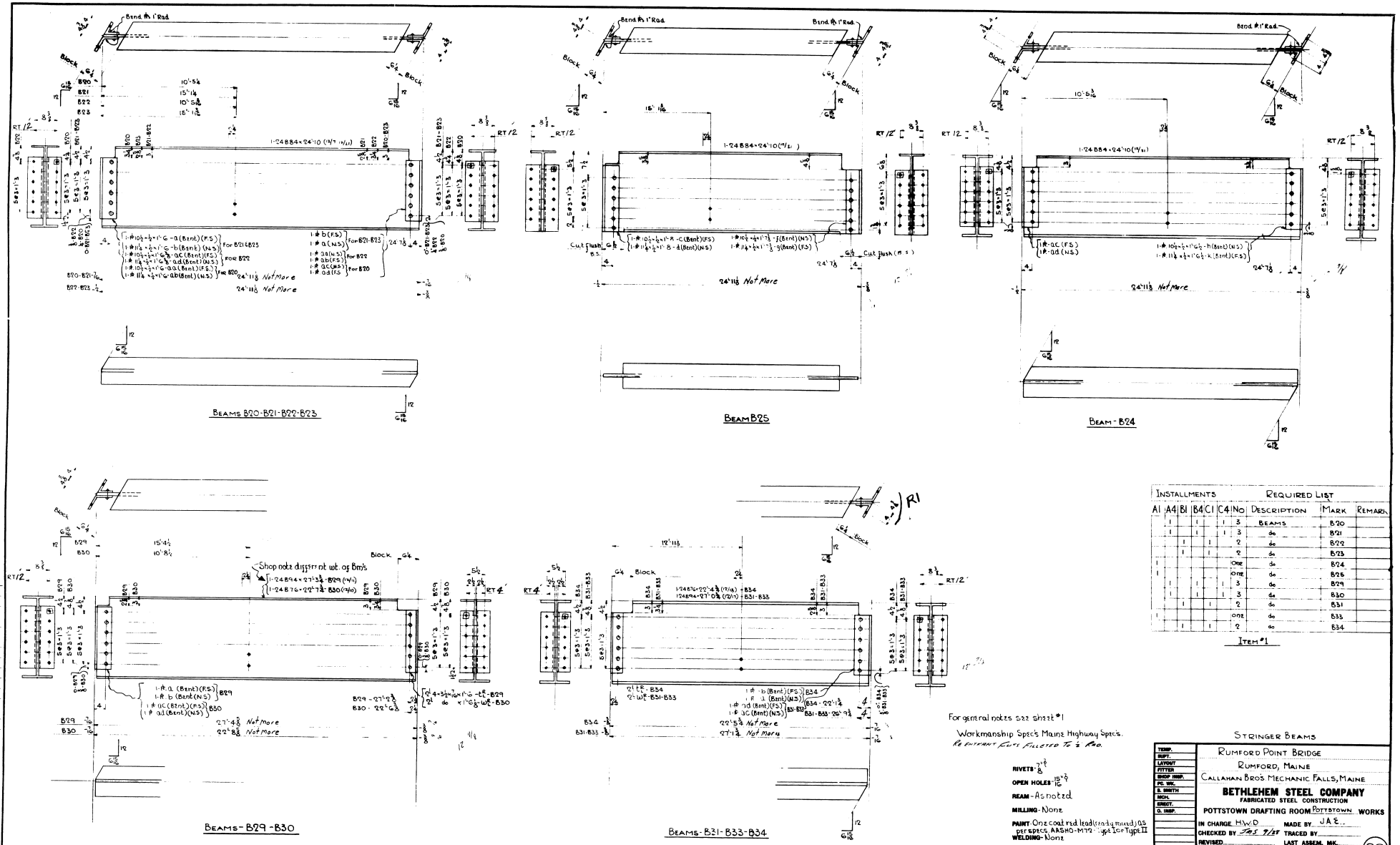
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

TEMP. / SUPT. / LAYOUT / FITTER / SHOP INSP. / PC. WK. / B. SMITH / MCH. / ERECT. / Q. INSP.

IN CHARGE H.W.D. MADE BY J.A.E.
CHECKED BY Jms 2/28/[illegible] TRACED BY
REVISED LAST ASSEM. MK.
SHOP NO. 2 CONTRACT CJ3310 SHEET 28

FORGE SHOP 61-178

0 1 2 3 4 5 INCHES



BEAMS B20-B21-B22-B23

BEAM B25

BEAM - B24

BEAMS - B29 - B30

BEAMS - B31 - B33 - B34

INSTALLMENTS						REQUIRED LIST			
A1	A4	B1	B4	C1	C4	No	DESCRIPTION	MARK	REMARK
	1		1		1	3	BEAMS	B20	
	1		1		1	3	do	B21	
		1		1		2	do	B22	
		1		1		2	do	B23	
1						One	do	B24	
1						One	do	B25	
	1		1		1	3	do	B29	
	1		1		1	3	do	B30	
		1		1		2	do	B31	
						One	do	B33	
		1		1		2	do	B34	

ITEM #1

For general notes see sheet #1

Workmanship Spec's Maine Highway Spec's.

Re entrant Cuts Filleted To ½ Rad.

RIVETS - 7/8"

OPEN HOLES - 15/16"

REAM - As noted

MILLING - None

PAINT - One coat red lead (ready mixed) as per specs. AASHO-M72 - Type I or Type II

WELDING - None

SHOP CONTACT SURFACES - Not painted

STRINGER BEAMS

TEMP. / DUPT. / LAYOUT / FITTER / SHOP INSP. / PC. WK. / S. SMITH / MCH. / ERECT. / O. INSP.

RUMFORD POINT BRIDGE

RUMFORD, MAINE

CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE H.W.D. MADE BY J.A.E.

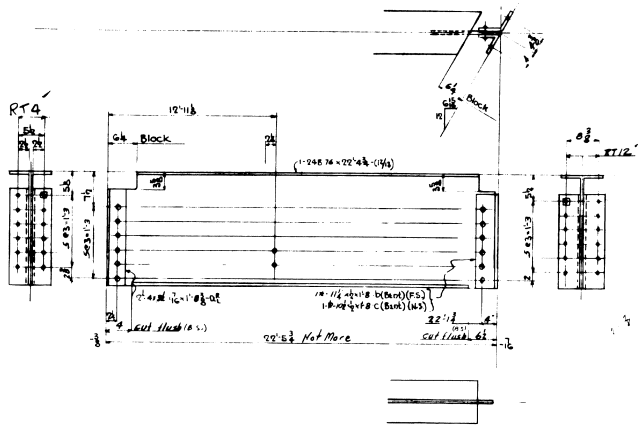
CHECKED BY JMS 9/28 TRACED BY

REVISED LAST ASSEM. MK.

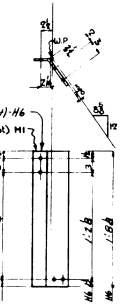
SHOP NO. 2 CONTRACT CJ3310 SHEET 29

FORGE SHOP 61-179

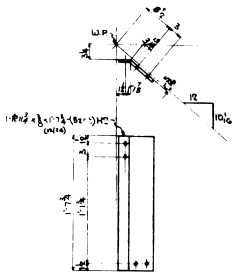
0 1 2 3 4 5 INCHES



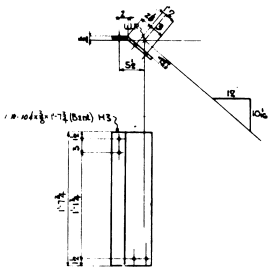
BEAM-B32



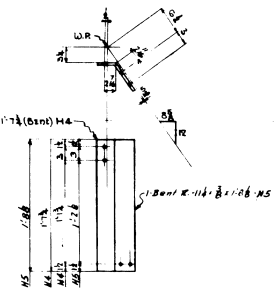
HANGER-H1-H6



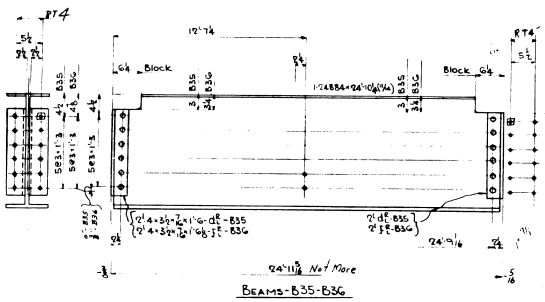
HANGER-H2



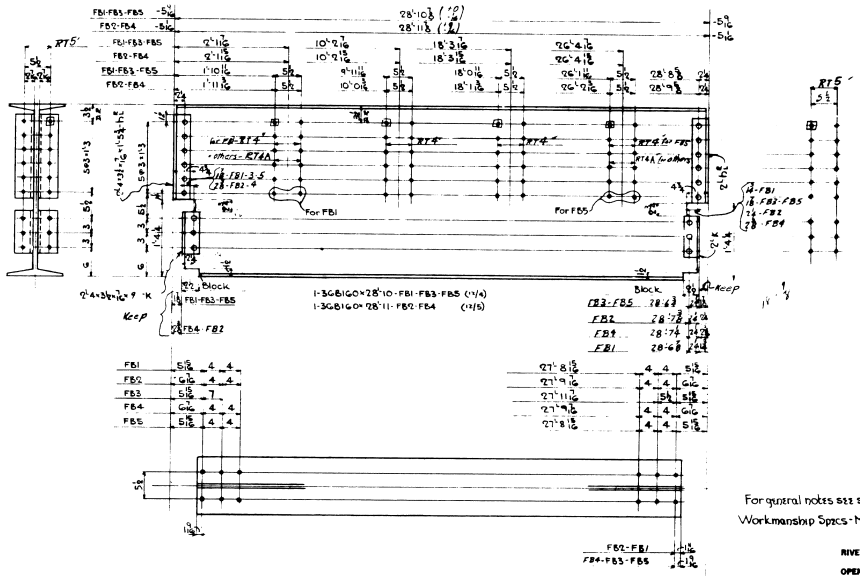
HANGER-H3



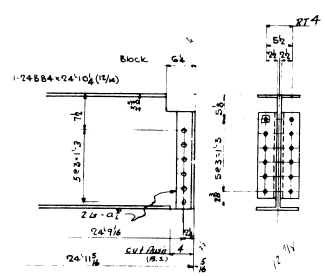
HANGER H4-H5



BEAMS-B35-B36



FLOOR BEAMS-FB1-FB2-FB3-FB4-FB5



BEAM-B37

Parts not shown same as B35

Installments													Required List			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No	Description	Mark	Remarks
1												one	Beam	B32	
	1	2			2	2			2	2		11	do	B35	
	2	2			2	2			2	2		12	do	B36	
	1											one	do	B37	
			1	1			1	1			1	5	Hangers	H1	
			1				1				1	3	do	H2	
	2	2			2	2			2	2		12	do	H3	
				1				1				2	do	H4	
		1				1				1		3	Floor Beams	FB1	
		1				1				1		3	do do	FB2	
	1				1				1			3	do do	FB3	
	1				1				1			3	do do	FB4	
1				1				1				3	do do	FB5	
1												one	Hanger	H5	
1												one	do	H6	

For general notes see sheet #1

Workmanship Specs-Maine Highway Specs.

RIVETS - $\frac{7}{8}$"

OPEN HOLES - $\frac{15}{16}$"

REAM As Noted

MILLING - None

PAINT - One coat red lead ready mixed as per Specs-AASHO-M72 Type I or Type II

WELDING - None

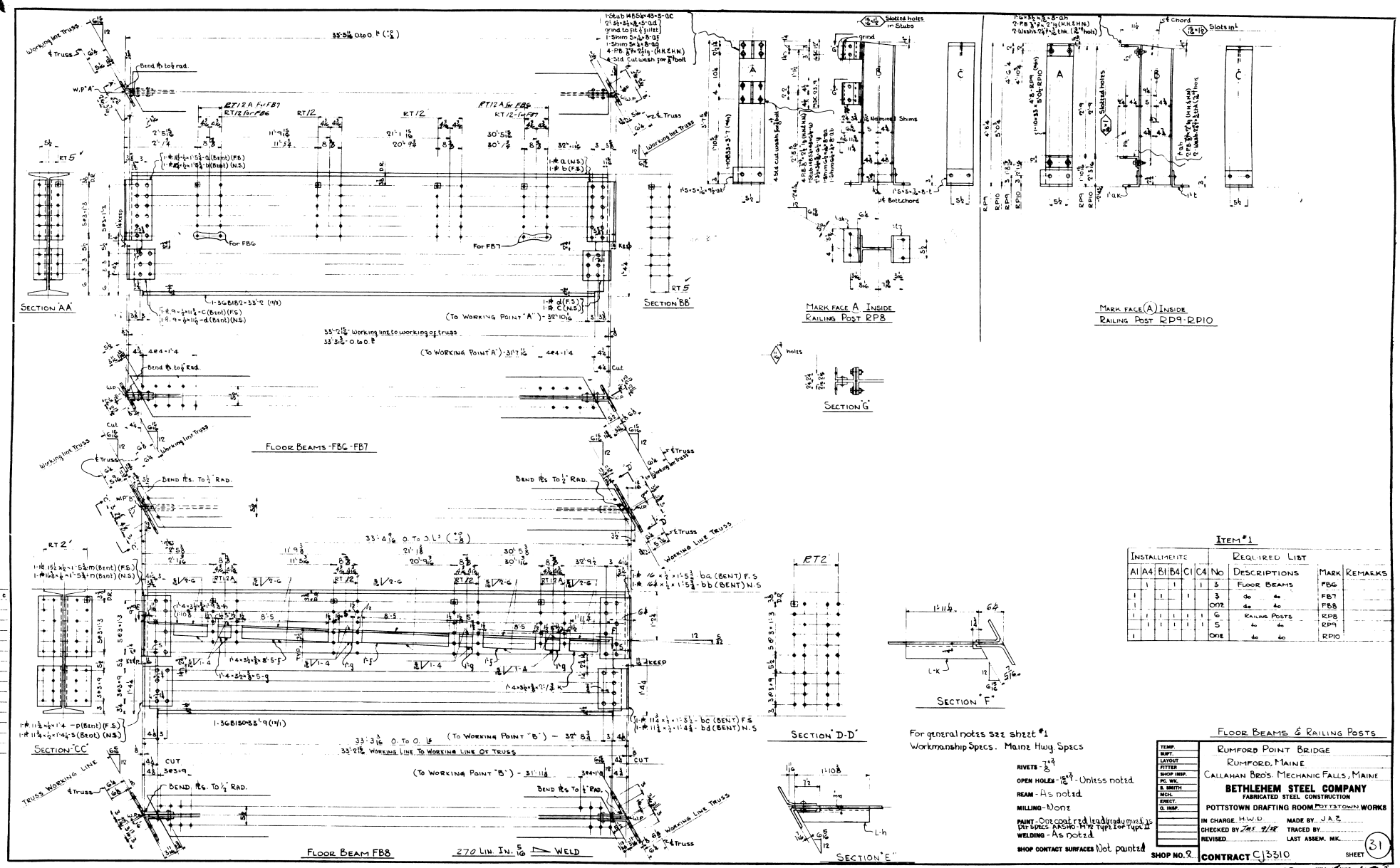
SHOP CONTACT SURFACES - Not painted

ITEM #1

STRINGER BEAMS-FLOOR BEAMS-HANGERS

TEMP.	Rumford Point Bridge
SUPT.	Rumford, Maine
LAYOUT	Callahan Bros Mechanic Falls, Maine
FITTER	
S-OP. INSP.	**BETHLEHEM STEEL COMPANY**
PC. WK.	FABRICATED STEEL CONSTRUCTION
S. SMITH	
MCH.	POTTSTOWN DRAFTING ROOM Pottstown WORKS
ERECT.	IN CHARGE H.W.D. MADE BY J.A.Z.
O. INSP.	CHECKED BY JAS 9/28 TRACED BY
	REVISED LAST ASSEM. MK.
SHOP NO. 2	CONTRACT C3310 SHEET 30

FORGE SHOP 61.180



ITEM #1

INSTALLMENTS						REQUIRED LIST			
A1	A4	B1	B4	C1	C4	No	DESCRIPTIONS	MARK	REMARKS
	1		1		1	3	FLOOR BEAMS	FBG	
1		1		1		3	do do	FB7	
1						002	do do	FB8	
1	1	1	1	1	1	6	RAILING POSTS	RP8	
	1	1	1	1	1	5	do do	RP9	
1						002	do do	RP10	

FLOOR BEAMS & RAILING POSTS

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BRO'S. MECHANIC FALLS, MAINE

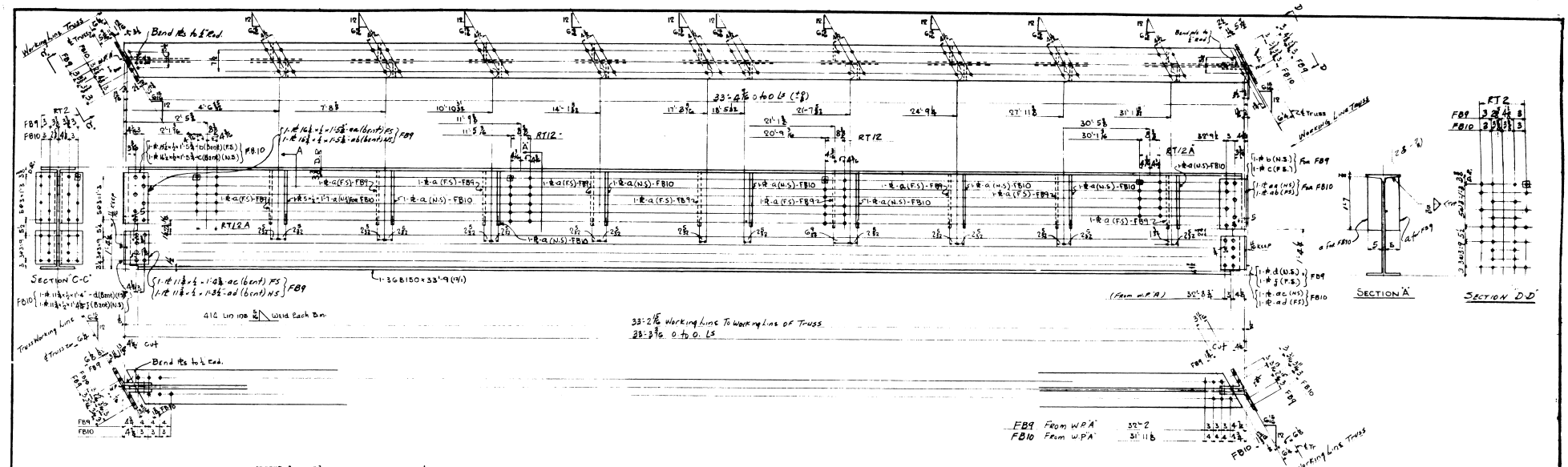
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

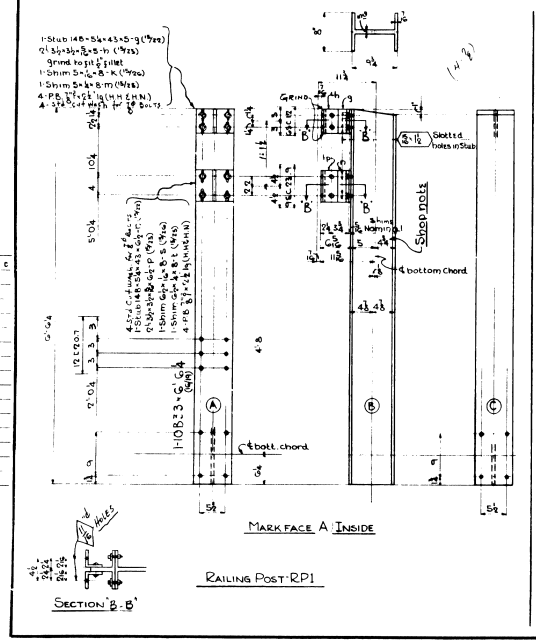
TEMP. / SUPT. / LAYOUT / FITTER / SHOP INSP. / PC. WK. / R. SMITH / MCH. / ERECT. / Q. INSP.

IN CHARGE H.W.D. MADE BY J.A.Z.
CHECKED BY JAS 9/48 TRACED BY
REVISED LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ3310 SHEET 31

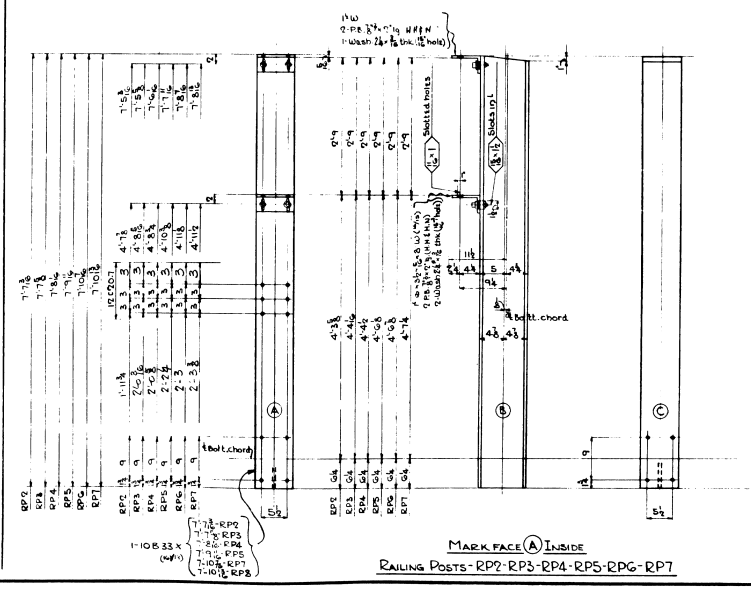
FORGE SHOP 61-181





Railing Post-RP1

Floor Beam FB9-FB10



Mark Face (A) Inside

Railing Posts-RP2-RP3-RP4-RP5-RP6-RP7

Installments												Required List			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	No	Description	Mark	Remarks
			1				1				1	3	Floor Beams	FB9	
				1				1				2	do do	FB10	
3	2	2	2	3	2	2	2	3	2	2	2	27	Railing Posts	RP1	
	2	4	5	3	4	4	5	3	4	4	5	43	do do	RP2	
	1											002	do do	RP3	
	1											002	do do	RP4	
1												002	do do	RP5	
1												002	do do	RP6	
1												002	do do	RP7	

Item #1

For general notes see sheet #1
Workmanship specs - Maine Hwy. Specs

RIVETS - 7/8"
OPEN HOLES - 13/16" Unless noted
REAM As Noted
MILLING - None
PAINT - One coat Red Lead (Mean Mixed) as per Specs AASHO-M72 Type I or Type II
WELDING - None
SHOP CONTACT SURFACES - Not painted

Floor Beams - Railing Posts

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

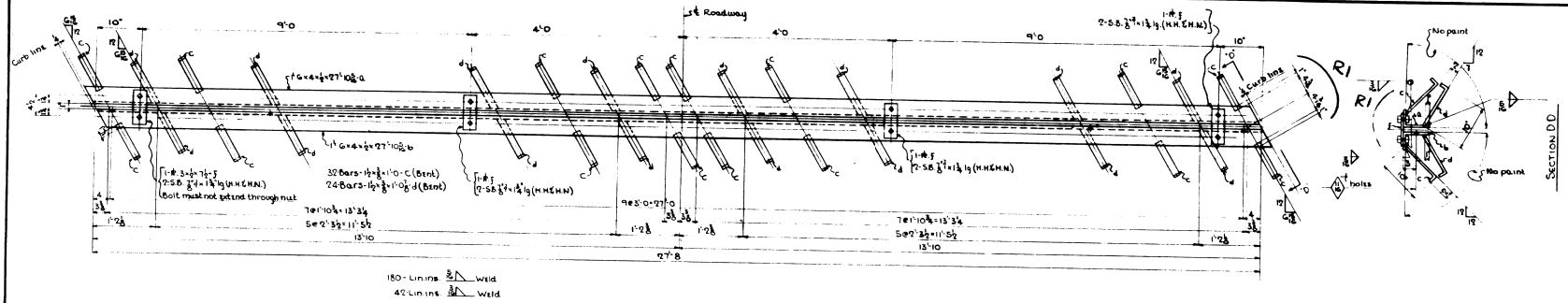
Rumford Point Bridge
Rumford, Maine
Callahan Bros, Mechanic Falls, Maine

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

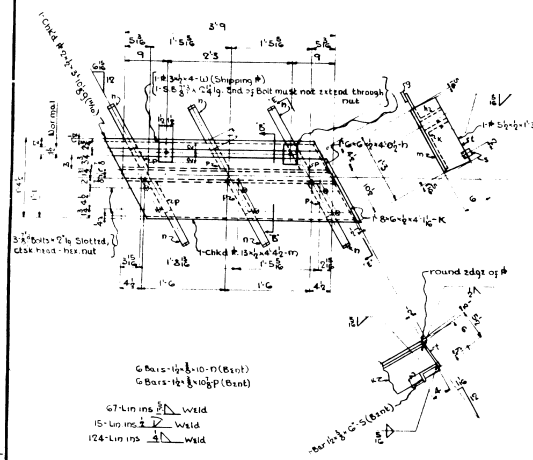
IN CHARGE H.W.O. MADE BY JAZ
CHECKED BY Jms 9/28 TRACED BY
REVISED LAST ASSEM. MK.
SHOP NO. 2 CONTRACT CJ3310 SHEET 32

61-182 OCT ... GF SHOP

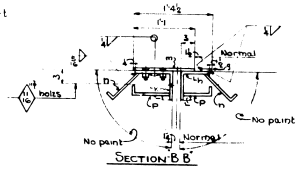
0 1 2 3 4 5 INCHES



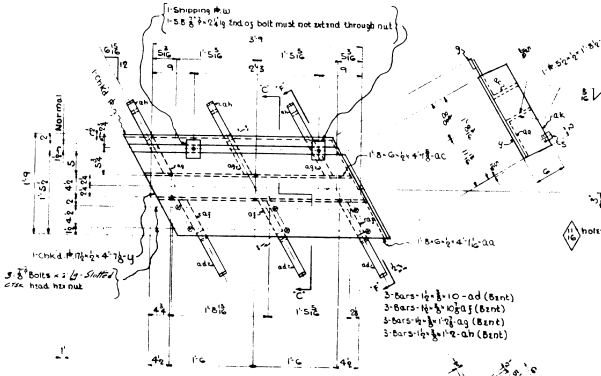
EXPANSION DAM - ED1

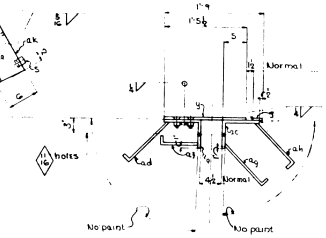


EXPANSION DAM - ED2



SECTION "B B"





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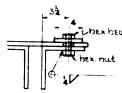
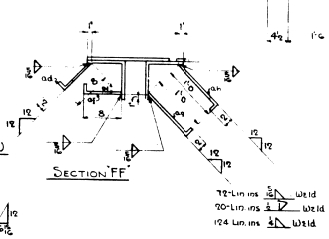


ENLARGED DETAIL OF SHIPPING ℄ W



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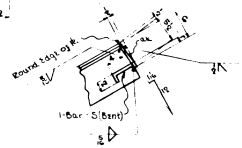
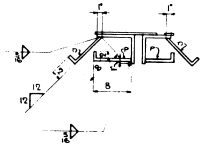
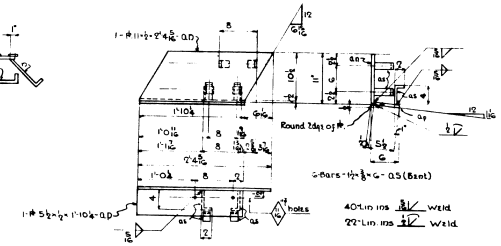


EXPANSION DAM - ED3



SECTION "EE"



EXPANSION DAM - ED8

INSTALLMENTS				REQUIRED LIST			
A1	A4	B4	C4	No	DESCRIPTION	MARK	REMARKS
1				ONE	Expansion Dam	ED1	
	1	1		2	do do	ED2	
			1	ONE	do do	ED3	
			1	ONE	do do	ED8	

For general notes see sheet #1
Workmanship Specs. Maine Hwy.

RIVETS - None
OPEN HOLES - 13/16" - Unless noted
REAM - None
MILLING - None (Except as noted)
PAINT - One coat red lead (readymixed) as per Specs AASHO-M72 Type I or Type II
WELDING As noted
SHOP CONTACT SURFACES Not painted.

ITEM #1

EXPANSION DAMS

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

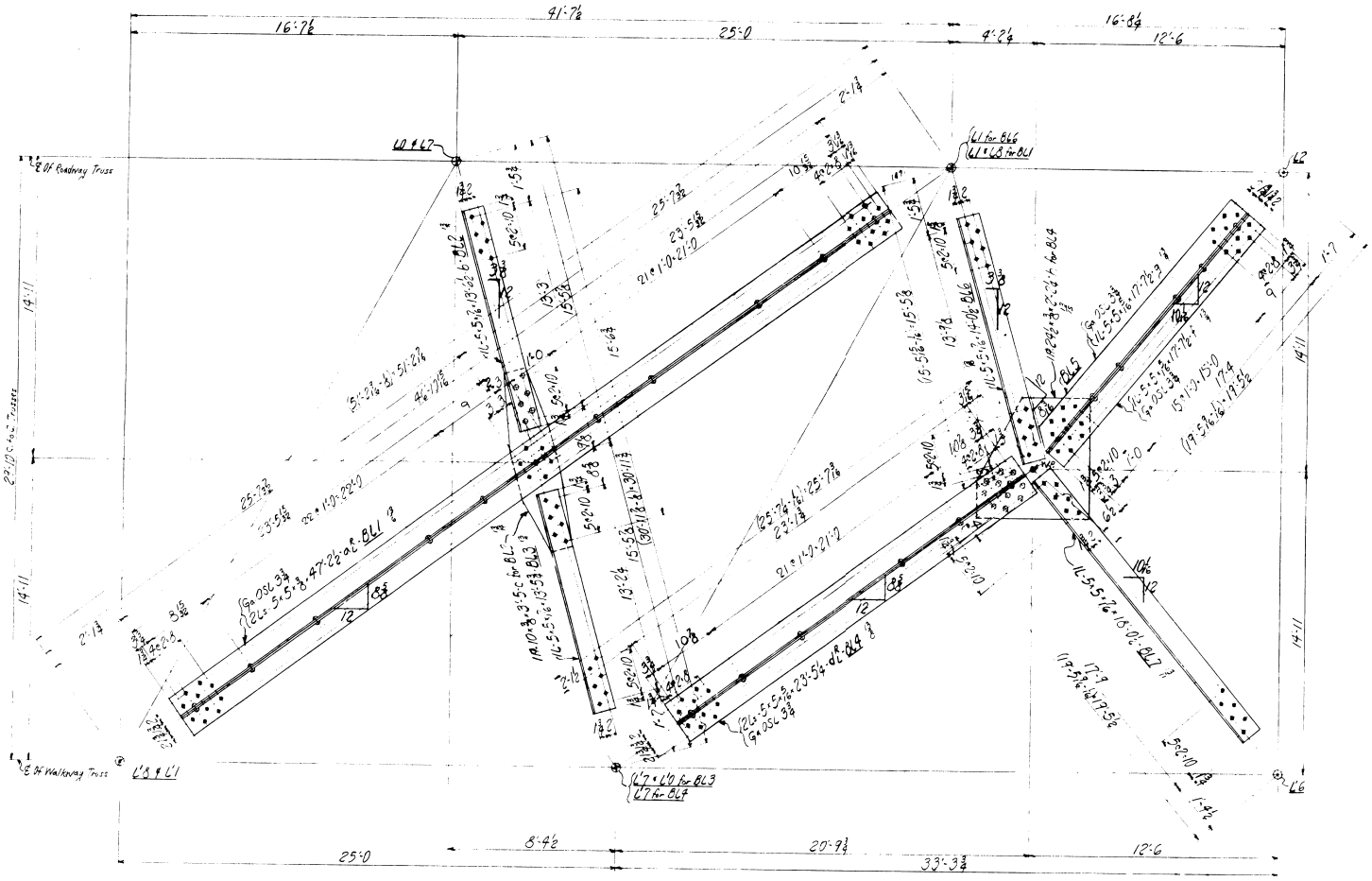
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

TEMP. / SUPT. / LAYOUT / FITTER / SHOP INSP. / PO. WK. / B. SMITH / MCH. / ERECT. / G. INSP.

IN CHARGE H.W.D. MADE BY J.A.Z.
CHECKED BY [illegible] TRACED BY
REVISED 21-11-23-54 LAST ASSEM. MK.
SHOP NO. 2 CONTRACT C3310 SHEET 33

61-183

0 1 2 3 4 5 INCHES



BOTTOM LATERALS - BL1, BL2, BL3, BL4, BL5, BL6 & BL7

INSTALL						REQUIRED		LIST
S4	S1	B4	B1	A4	A1	No.	DESCRIPTION	MARK	REMARKS
1	1	1	1	1	1	6	BOTTOM LATERALS	BL1	
1	1	1	1	1	1	6		BL2	
1	1	1	1	1	1	6		BL3	
1		1		1		3		BL4	
1		1		1		3		BL5	
1		1		1		3		BL6	
1		1		1		3		BL7	

ITEM #1
BOTTOM LATERALS

WORKMANSHIP SPECS. MAINE HIGHWAY

RIVETS 7/8"
OPEN HOLES 15/16"
REAM None
MILLING None
PAINT { One Shop Coat Red Lead (Ready Mixed) As Per A.A.S.H.O. M72 Type I or II
WELDING None
SHOP CONTACT SURFACES Not Painted

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
O. INSP.	

SHOP NO. 2

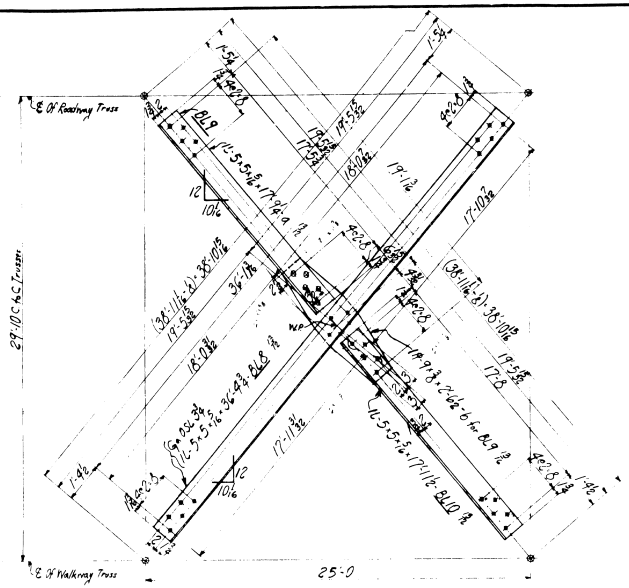
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

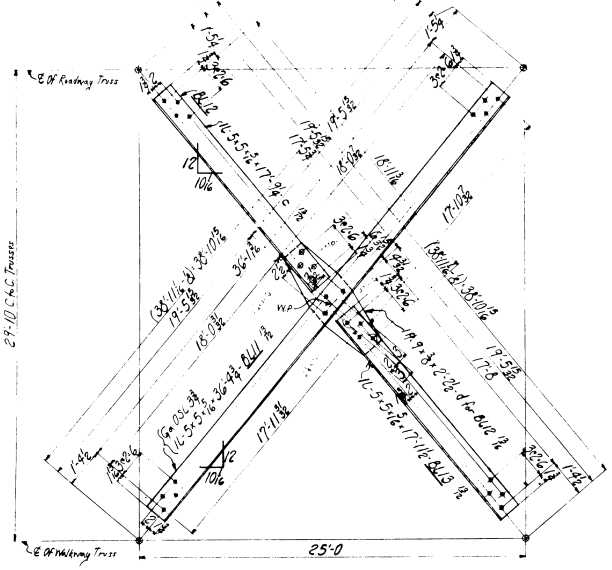
IN CHARGE H.W.D. MADE BY S. FER 9-8-54
CHECKED BY A.J.D. 9/21/54 TRACED BY
REVISED LAST ASSEM. MK.
CONTRACT CJ3310 SHEET 34

61-184

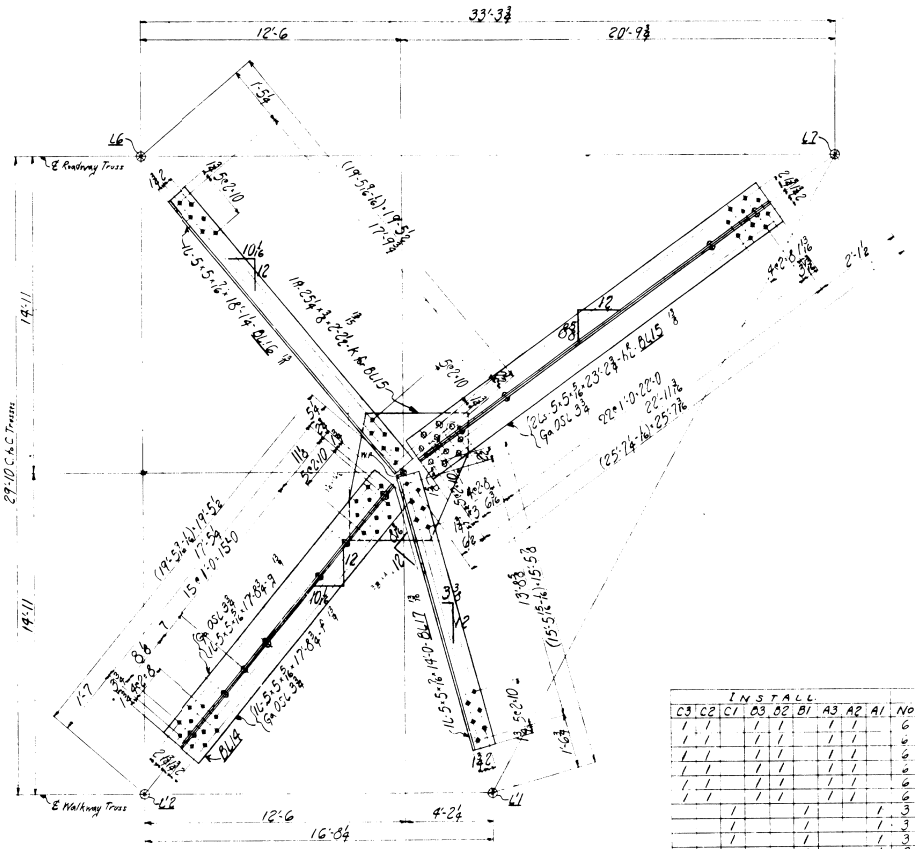
0 1 2 3 4 5 INCHES



BOTTOM LATERALS - BL8, BL9 & BL10



BOTTOM LATERALS - BL11, BL12 & BL13



BOTTOM LATERALS - BL14, BL15, BL16 & BL17

INSTALL									REQUIRED LIST		
C3	C2	C1	B3	B2	B1	A3	A2	A1	No	DESCRIPTION	MARK	REMARKS
1	1		1	1		1	1		6	BOTTOM LATERALS	BL8	
1	1		1	1		1	1		6		BL9	
1	1		1	1		1	1		6		BL10	
1	1		1	1		1	1		6		BL11	
1	1		1	1		1	1		6		BL12	
1	1		1	1		1	1		6		BL13	
		1			1			1	3		BL14	
		1			1			1	3		BL15	
		1			1			1	3		BL16	
		1			1			1	3		BL17	

ITEM #1
BOTTOM LATERALS

WORKMANSHIP SPECS. MAINE HIGHWAY

RIVETS 7/8"
OPEN HOLES 15/16"
REAM None
MILLING None
PAINT {One Shop Coat Red Lead (Ready Mixed) As Per AASHO-M72 Type I or II
WELDING None
SHOP CONTACT SURFACES Not Painted

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
S. SMITH
MCH.
ERECT.
Q. INSP.

SHOP NO. 2

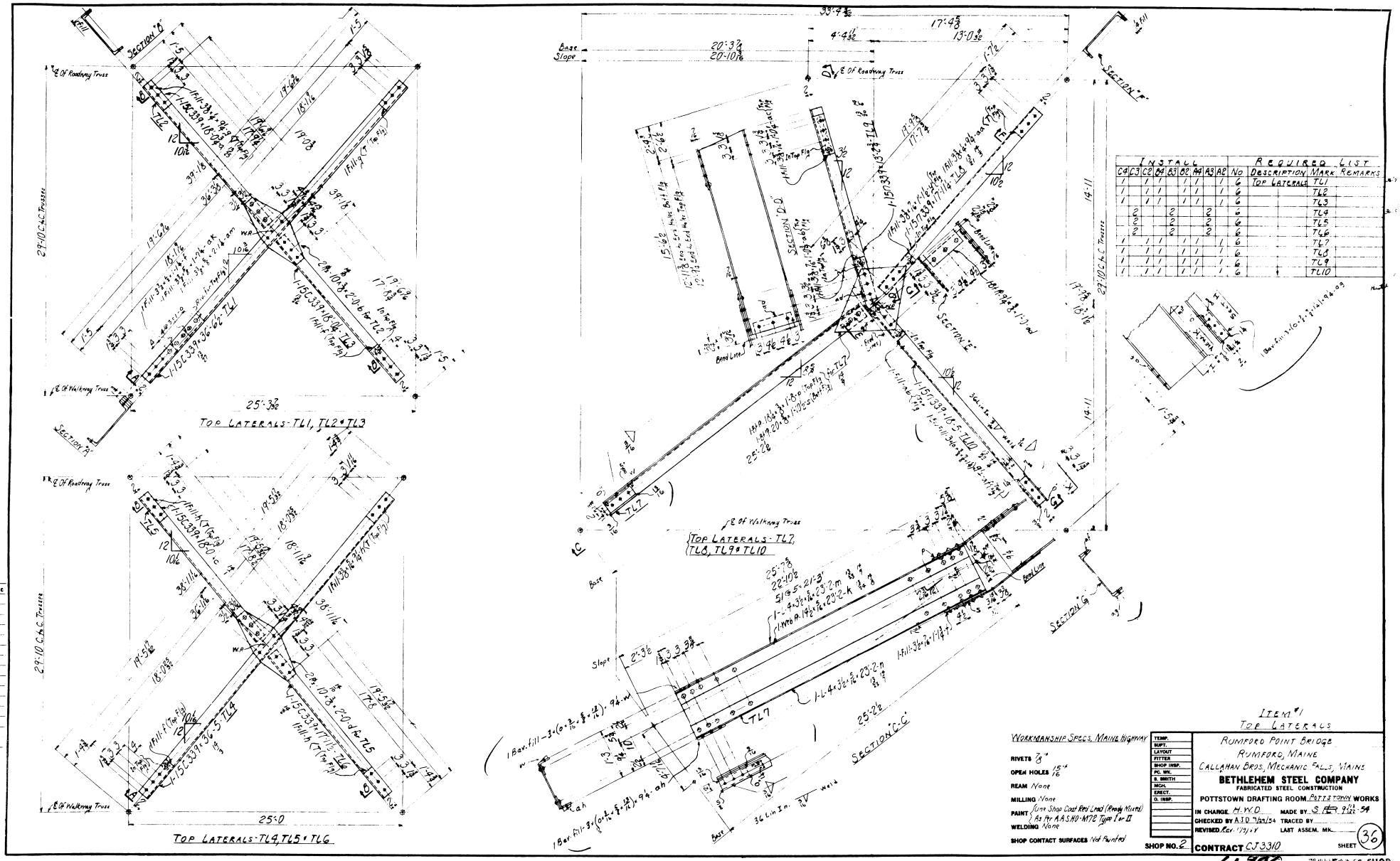
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE H.W.D. MADE BY S.H.R. 9-9-54
CHECKED BY A.T.D. 9/22/54 TRACED BY
REVISED LAST ASSEM. MK.
CONTRACT CJ3310 SHEET 35

67-785

0 1 2 3 4 5 INCHES



INSTALL									REQUIRED LIST		
C4	C3	C2	B4	B3	B2	A4	A3	A2	No	DESCRIPTION	MARK REMARKS
1		1	1		1	1		1	6	TOP LATERALS	TL1
1		1	1		1	1		1	6		TL2
1		1	1		1	1		1	6		TL3
	2			2			2		6		TL4
	2			2			2		6		TL5
	2			2			2		6		TL6
1		1	1		1	1		1	6		TL7
1		1	1		1	1		1	6		TL8
1		1	1		1	1		1	6		TL9
1		1	1		1	1		1	6		TL10

ITEM #1
TOP LATERALS

WORKMANSHIP SPECS, MAINE HIGHWAY

RIVETS 7/8"
OPEN HOLES 15/16"
REAM None
MILLING None
PAINT {One Shop Coat Red Lead (Ready Mixed) As Per A.A.S.H.O-M72 Type I or II
WELDING None
SHOP CONTACT SURFACES Not Painted

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
S. SMITH
MCH.
ERECT.
O. INSP.

SHOP NO. 2

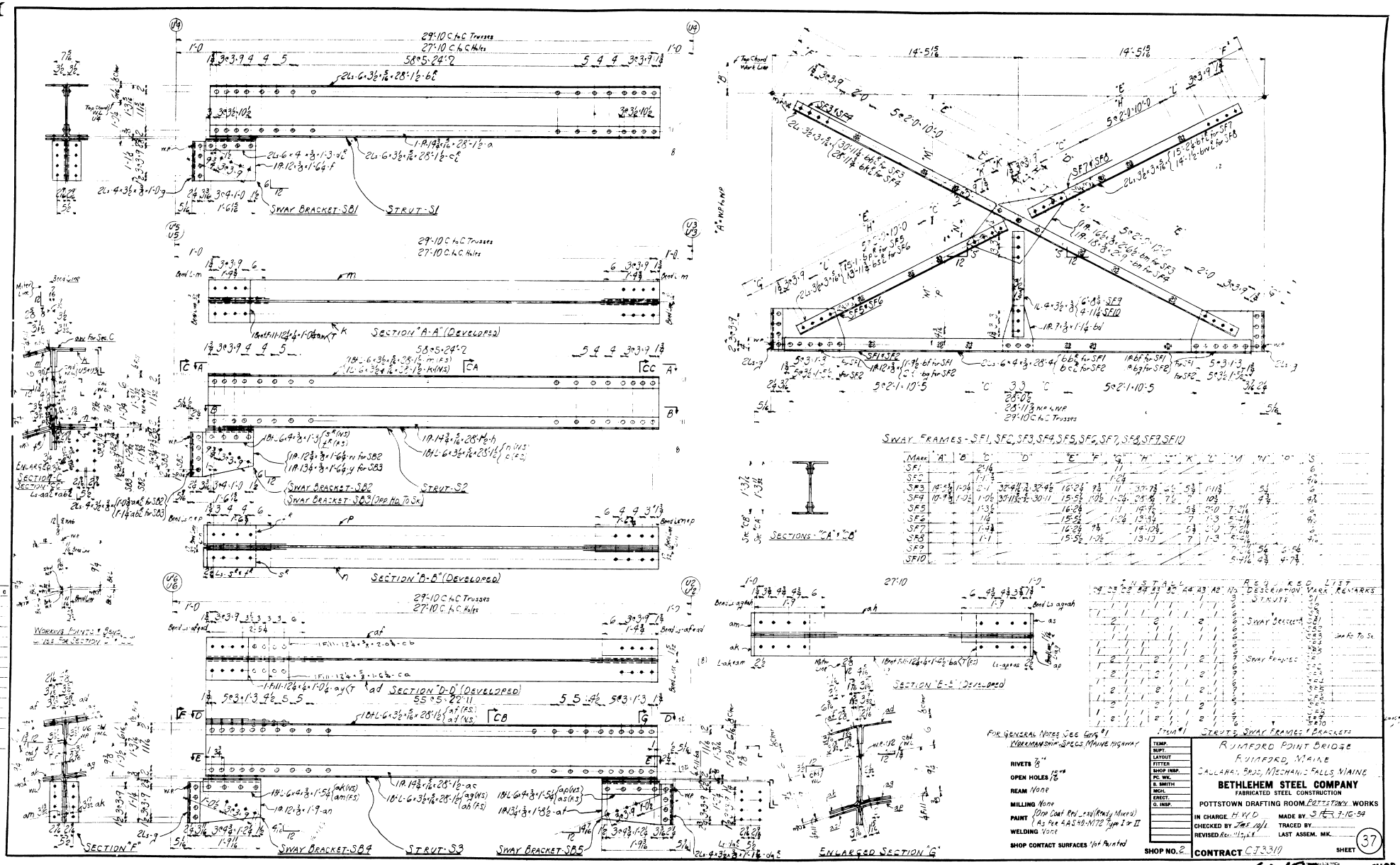
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE H.W.D. MADE BY S.F.B. 9/22/54
CHECKED BY A.I.D. 9/29/54 TRACED BY
REVISED Rev. 1/29/54 LAST ASSEM. MK.
CONTRACT CJ3310 SHEET 36

61-786 PAGE SHOP

0 1 2 3 4 5 INCHES



Mark	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"	"K"	"L"	"M"	"N"	"O"	"S"
SF1			2'-1 1/4				11								6
SF2			1'-1 1/2				1'-2 1/4								4 7/16
SF3	14'-5 1/8	1'-0 1/4	2'-1	32'-4 11/16 - 32'-4 1/2	16'-2 1/4	9 3/4	11	30'-7 3/8	6 1/2	5 3/4	1'-11 3/8		5 1/4		6
SF4	10'-9 3/8	1'-0 1/2	1'-0 1/2	30'-11 13/32 - 30'-11	15'-5 1/2	1'-0 1/2	1'-2 1/4	28'-8 3/4	7 1/2	7	10 3/4		4 3/4		4 7/16
SF5			1'-3 1/2		16'-2 1/4		11	14'-9 1/2		5 3/4	2'-0	7'-2 11/16			6
SF6			1 1/4		15'-5 1/2		1'-2 1/4	13'-8 1/4		7	1'-3	5'-4 11/16			4 7/16
SF7			1'-4 3/4		16'-2 1/4	9 3/4		14'-10 3/4		5 3/4	2'-0	7'-2 11/16			6
SF8			1'-1		15'-5 1/2	1'-0 1/2		13'-10		7	1'-3	5'-4 11/16			4 7/16
SF9												7'-2 11/16	5 1/4	6'-5 1/4	
SF10												5'-4 11/16	4 3/4	4'-7 3/4	

24	23	22	B4	B3	B2	A4	A3	A2	No.	Required List: Description	Mark	Remarks
1	1	1	1	1	1	1	1	1	3	Struts	S1	
1	1	1	1	1	1	1	1	1	6		S2	
1	1	1	1	1	1	1	1	1	6		S3	
1	2	1	1	2	1	1	2	1	6	Sway Brackets	SB1	
1	1	1	1	1	1	1	1	1	6		SB2	
1	1	1	1	1	1	1	1	1	6		SB3	Jap Fo To Sk
1	1	1	1	1	1	1	1	1	6		SB4	
1	1	1	1	1	1	1	1	1	6		SB5	
1	2	1	1	2	1	1	2	1	7	Sway Frames	SF1	
1	2	1	1	2	1	1	2	1	6		SF2	
1	2	1	1	2	1	1	2	1	7		SF3	
1	2	1	1	2	1	1	2	1	6		SF4	
1	2	1	1	2	1	1	2	1	7		SF5	
1	2	1	1	2	1	1	2	1	6		SF6	
1	2	1	1	2	1	1	2	1	7		SF7	
1	2	1	1	2	1	1	2	1	6		SF8	
1	2	1	1	2	1	1	2	1	7		SF9	
1	2	1	1	2	1	1	2	1	6		SF10	

Item #1 Struts, Sway Frames & Brackets

For General Notes See Dwg #1
Workmanship Specs Maine Highway

RIVETS 7/8"
OPEN HOLES 15/16"
REAM None
MILLING None
PAINT {Opp Coat Red Lead (Ready Mixed) As Per A.A.S.H.O. M72 Type I or II
WELDING None
SHOP CONTACT SURFACES Not Painted

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

SHOP NO. 2

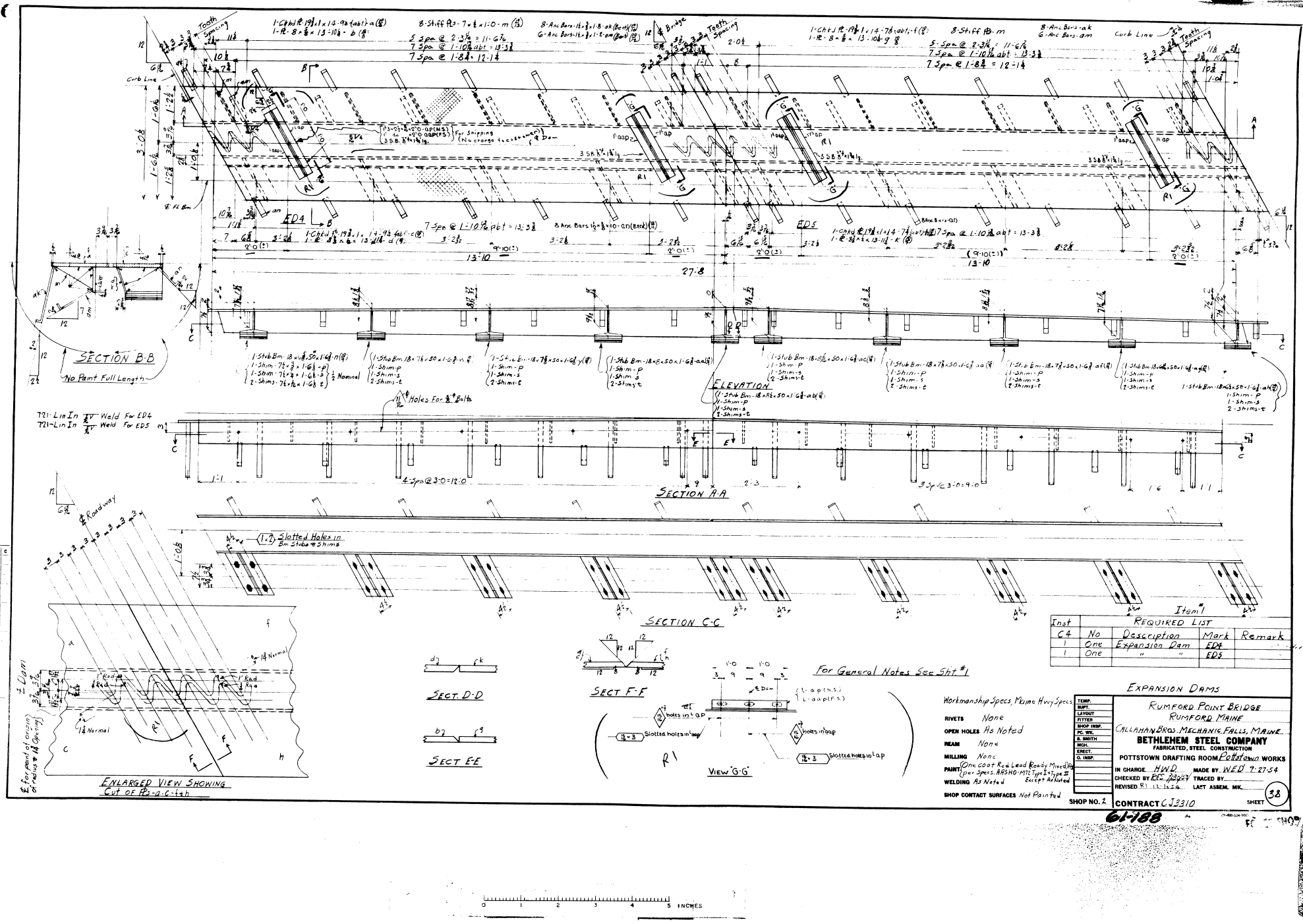
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

IN CHARGE H.W.D. MADE BY S.F. 7-16-54
CHECKED BY JMS 10/1 TRACED BY
REVISED Rec. 11/7/54 LAST ASSEM. MK.

CONTRACT CJ3310 SHEET 37

61-187 FORGE SHOP



Inst	REQUIRED LIST			
C4	No	Description	Mark	Remark
1	One	Expansion Dam	ED4	
1	One	" "	ED5	

Item #1

Workmanship Specs, Maine Hwy Specs

RIVETS None

OPEN HOLES As Noted

REAM None

MILLING None

PAINT (One coat Red Lead (Ready Mixed) As per Specs. AASHO-M72 Type I & Type II Except As Noted

WELDING As Noted

SHOP CONTACT SURFACES Not Painted

SHOP NO. 2

TEMP.
RUFT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

EXPANSION DAMS

RUMFORD POINT BRIDGE
RUMFORD MAINE

CALLAHAN BROS. MECHANIC FALLS, MAINE

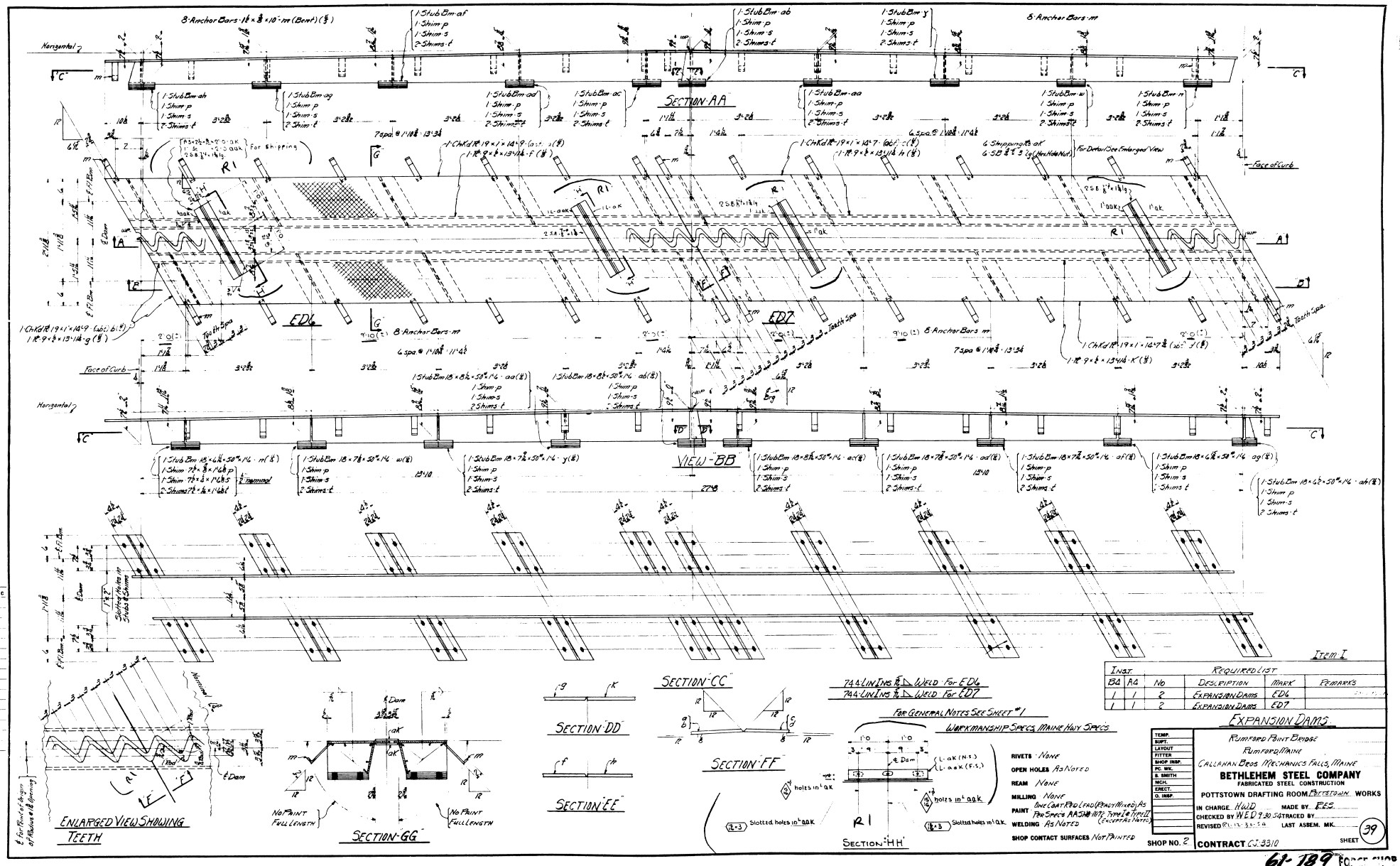
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE HWD MADE BY WED 7-27-54
CHECKED BY EEC 7/27/54 TRACED BY
REVISED R1 11-14-54 LAST ASSEM. MK.

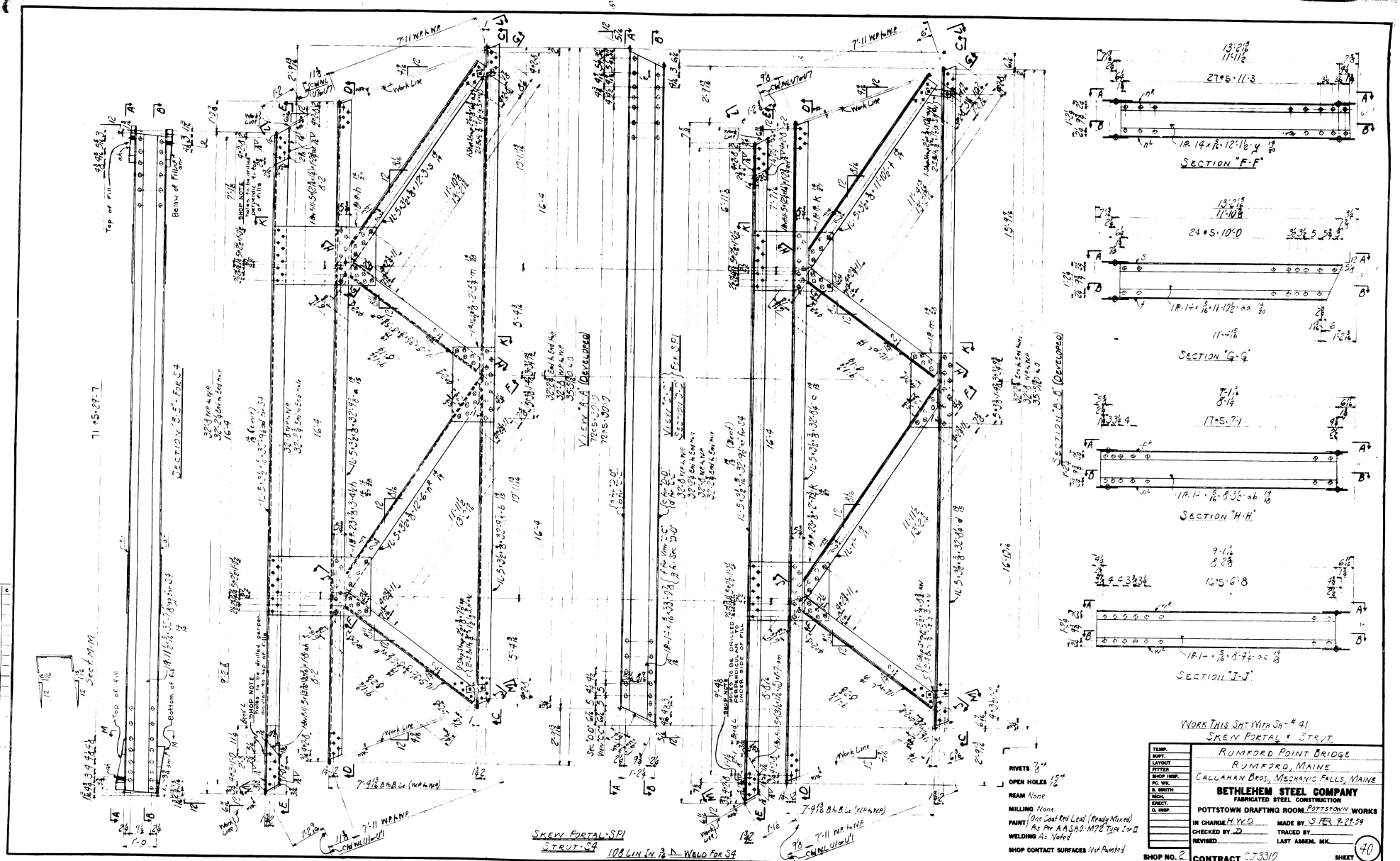
CONTRACT CJ2310 SHEET 38

61-188

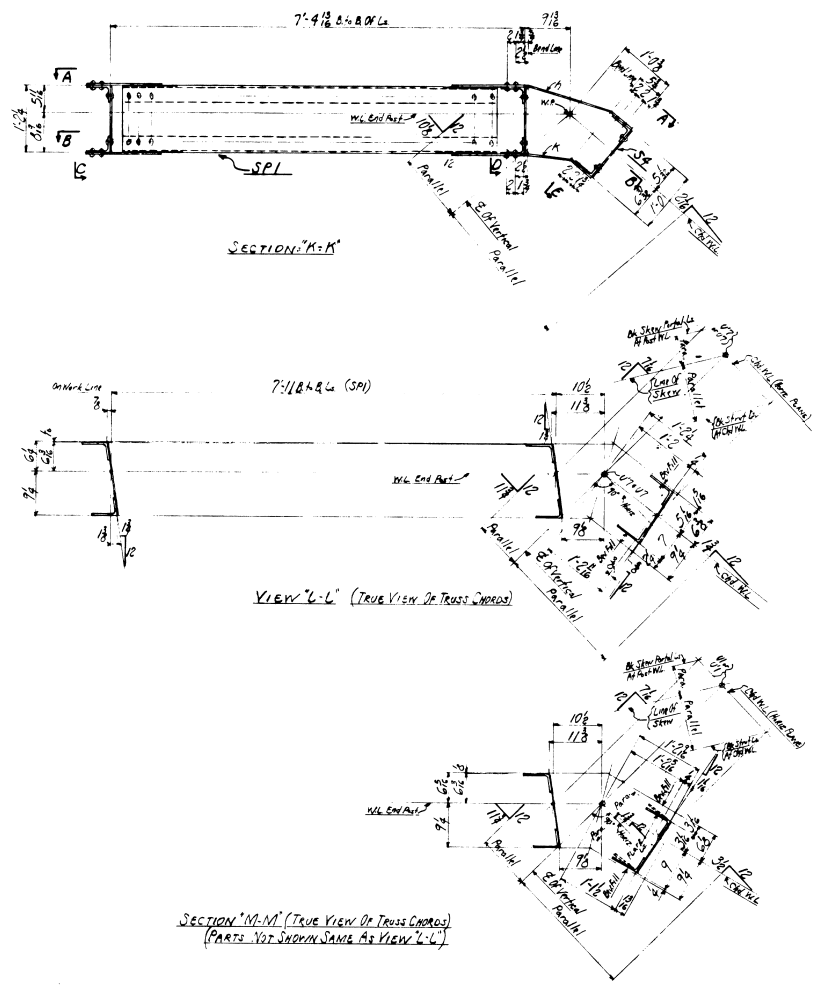
0 1 2 3 4 5 INCHES



Inst. BA	Inst. AA	No	Description	Mark	Remarks
1	1	2	Expansion Dams	ED6	
1	1	2	Expansion Dams	ED7	



SECTION "F-F"
SECTION "G-G"
SECTION "H-H"
SECTION "J-J"
SECTION "B-B" (DEVELOPED)
SECTION "E-E" FOR S4
VIEW "A-A" (DEVELOPED)
VIEW "C-C" SECTION "D-D" FOR SP1
SKEW PORTAL-SP1
STRUT-S4
108 LIN IN 3/16 WELD FOR S4
WORK THIS SHT WITH SHT # 41
SKEW PORTAL & STRUT
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
IN CHARGE H.W.D.
MADE BY S.F.R. 9-29-54
CHECKED BY D
TRACED BY
REVISED
LAST ASSEM. MK.
SHOP NO. 2
CONTRACT CJ3310
SHEET 40
RIVETS 7/8"
OPEN HOLES 15/16"
REAM None
MILLING None
PAINT One Coat Red Lead (Ready Mixed) As Per AASHO-M72 Type I or II
WELDING As Noted
SHOP CONTACT SURFACES Not Painted
FORGE SHOP
MACH. SHOP
61-190



SECTION "K-K"

VIEW "L-L" (TRUE VIEW OF TRUSS CHORDS)

SECTION "M-M" (TRUE VIEW OF TRUSS CHORDS)
(PARTS NOT SHOWN SAME AS VIEW "L-L")

Item 1

INSTALL						REQUIRED LIST		
C4	C1	B4	B1	A4	A1	NO	DESCRIPTION	MARK
1	1	1	1	1	1	6	SKEW PORTAL	SP1
1	1	1	1	1	1	6	STRUT	S4

WORK THIS SHT WITH SHT #40
SKEW PORTAL & STRUT

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

FOR NOTES SEE SHT #40

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
S. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS, MECHANIC FALLS, MAINE

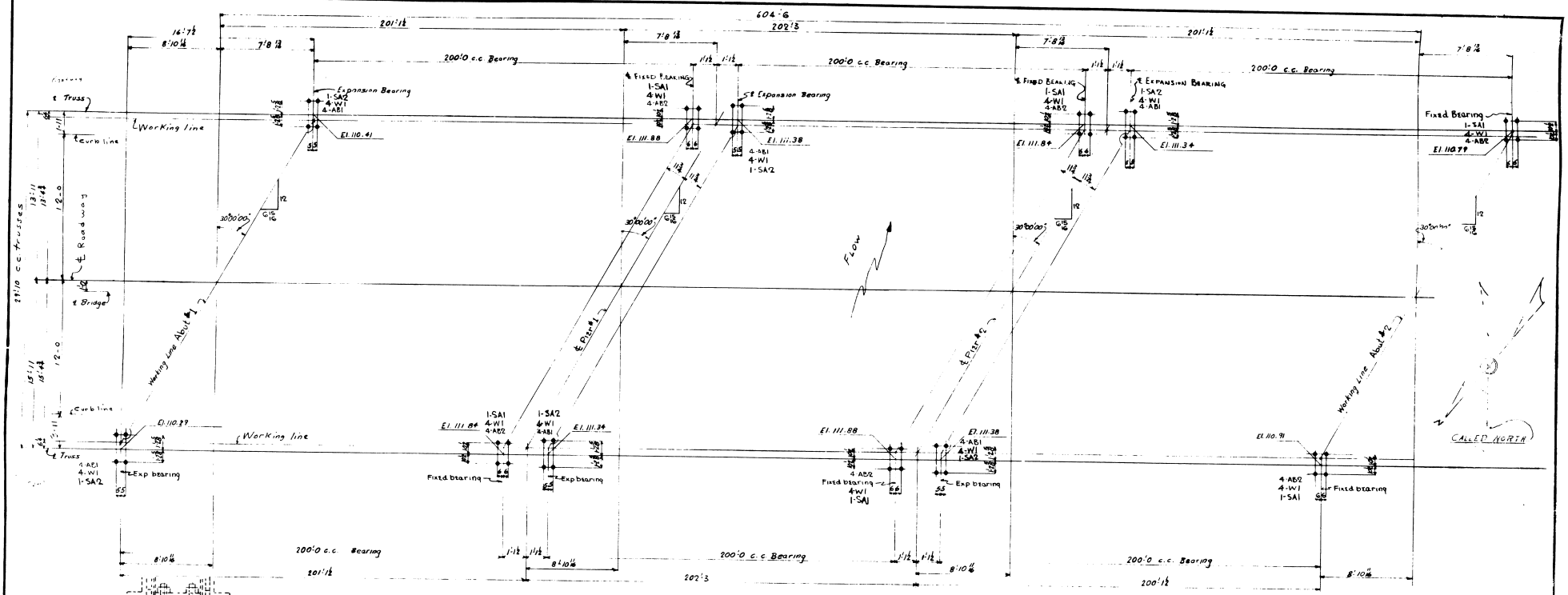
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS

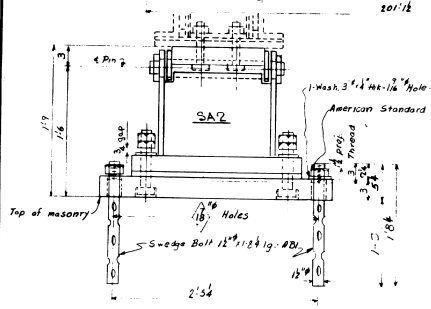
IN CHARGE H.W.D. MADE BY S. [illegible] 10-4-54
CHECKED BY D TRACED BY
REVISED LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ3310 SHEET 41

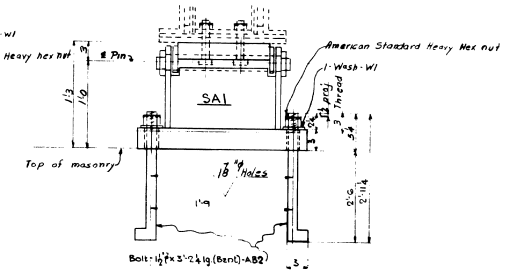
FORGE SHOP MACH. SHOP 61-191

0 1 2 3 4 5 INCHES





ANCHOR BOLT SETTING
EXPANSION SHOE



ANCHOR BOLT SETTING
FIXED SHOE

Notes:
Anchor bolts furnished by Bethlehem Steel Co., Set by others
All bearings to be set on 3 layers of canvas and red lead
All elevations given are to the underside of base plates (top of masonry)
Dimensions shown on this plan must be strictly adhered to
Report all errors or discrepancies immediatly to Bethlehem Steel Co.

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

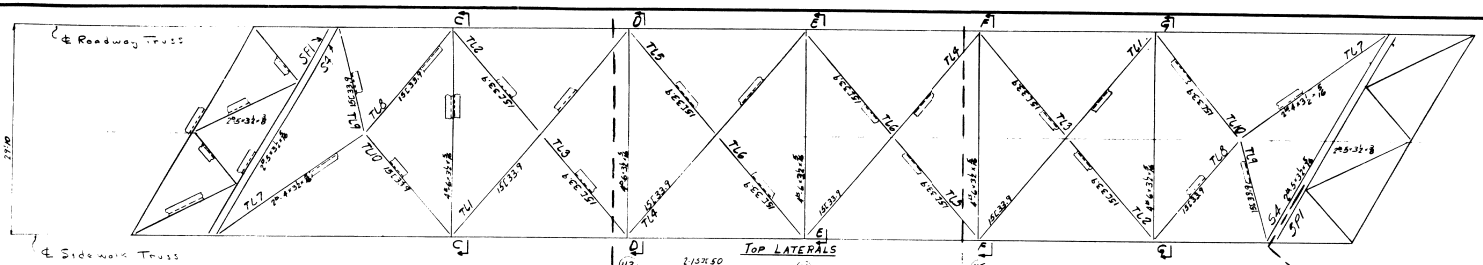
ANCHOR BOLT PLAN

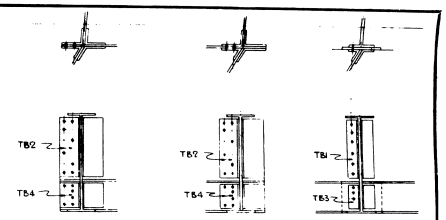
TEMP.	Kinzori Point Bridge
SUPT.	Rumford, Maine
LAYOUT	Callahan Bros., Mechanic Falls, Maine
FITTER	**BETHLEHEM STEEL COMPANY**
SHOP INSP.	FABRICATED STEEL CONSTRUCTION
PC. WK.	POTTSTOWN DRAFTING ROOM Pottstown WORKS
B. SMITH	IN CHARGE H.W.D. MADE BY J.A.E.
MCH.	CHECKED BY H.S.F. 8-11-54 TRACED BY A.P.S.
ERECT.	REVISED 8/20/54 LAST ASSEM. MK.
O. INSP.	SHOP NO. 2 CONTRACT CJ3310

E1

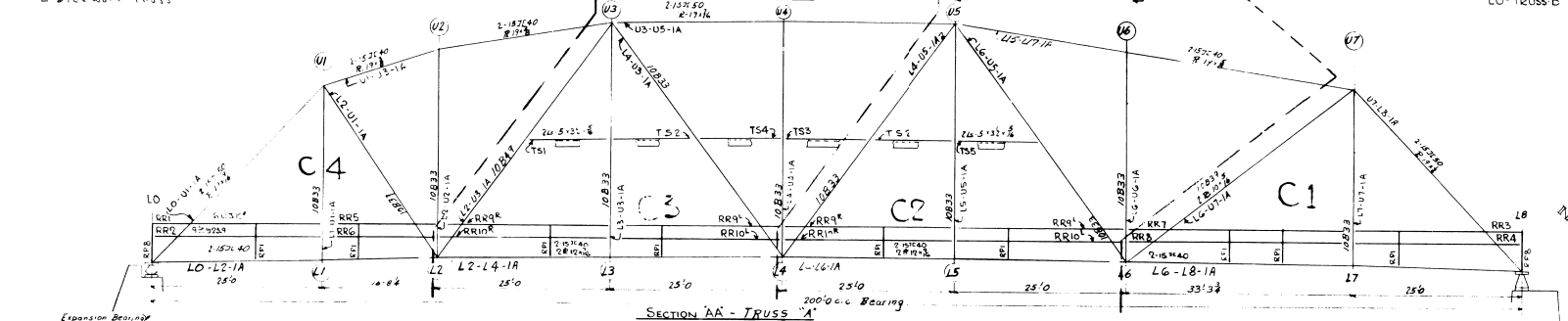
61-146

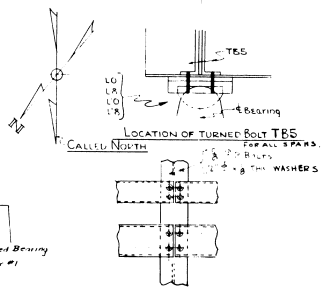
0 1 2 3 4 5 INCHES

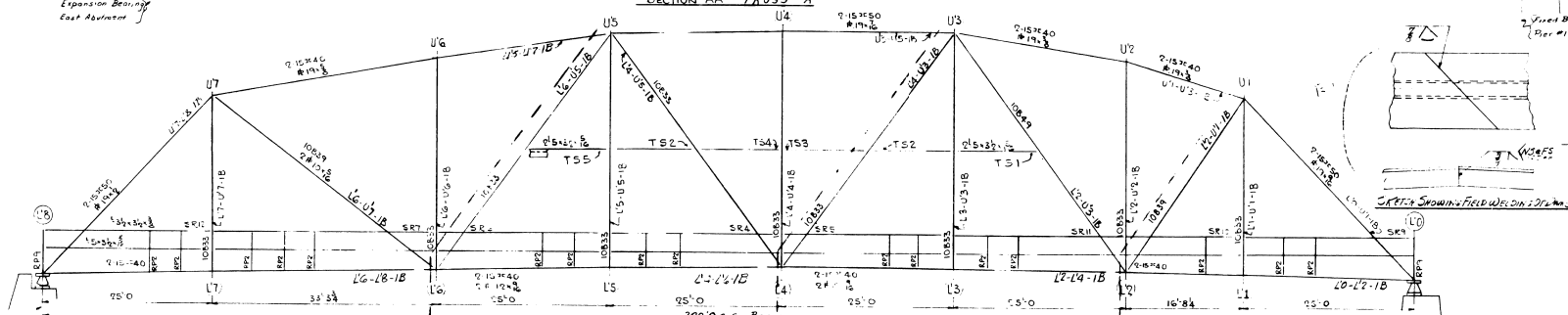




LOCATION OF TURNED BOLTS-TB1 TB2-TB3-TB4
FOR ALL SPANS







TYPICAL CONNECTION OF ROADWAY CHANNELS TO VERTICALS

CONNECTIONS TO DIAGONALS SIMILAR

SKETCH SHOWING FIELD WELDING DETAILS

Erector 12-15-55 to Be Erected Before 57

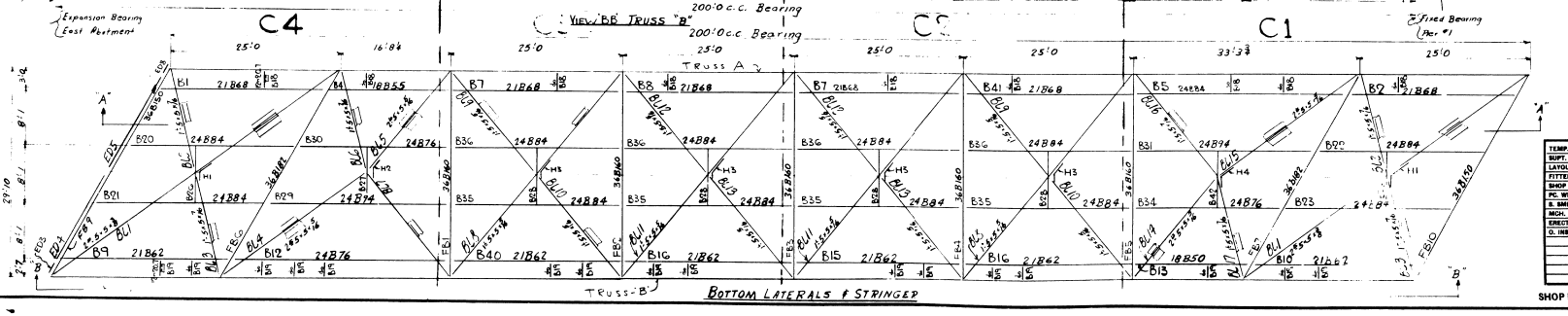
SHIMS S1 & S2 to be used as needed to align railing to Diagonals.

SHIMS S3 & S4 to be used as needed to align railing to Verticals.

SHIMS S5 & S6 to be used as needed on outside face of Railing Posts at Truss Members.

Shims S9 & S10 to be used as needed to align railing at diaphs. between railing posts & stringers.

For blocking detail for bottom chords see sheet E5

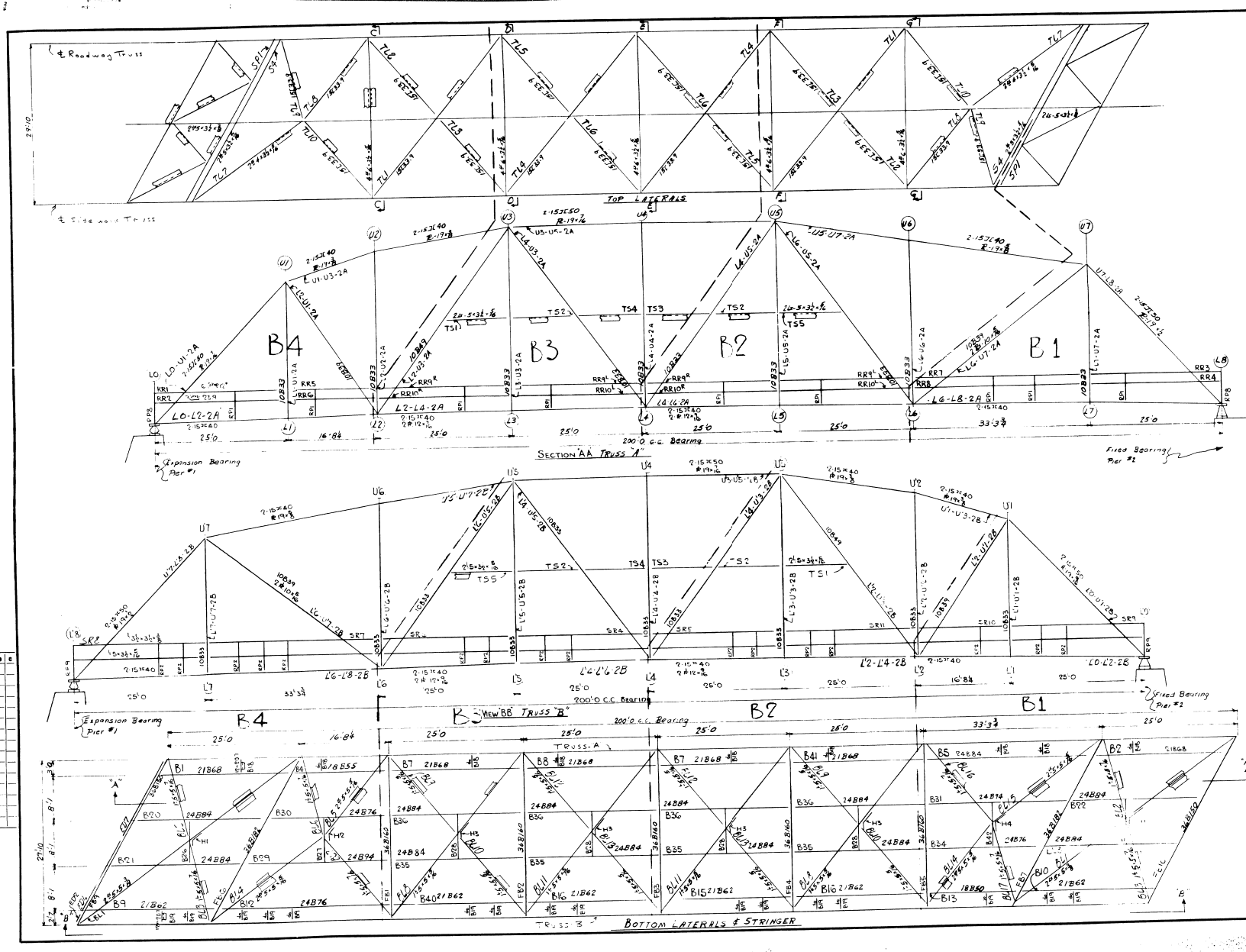


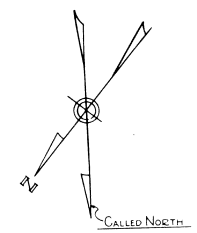
SPAN #1

TEMP.	Rumford Point Bridge
SUPT.	Rumford, Maine
LAYOUT	Callahan Bros., Mechanic Falls, Maine
FITTER	**BETHLEHEM STEEL COMPANY**
SHOP INSP.	FABRICATED STEEL CONSTRUCTION
PC. WK.	POTTSTOWN DRAFTING ROOM Pottstown WORKS
B. SMITH	IN CHARGE H.W.D. MADE BY A.P.S.
MCH.	CHECKED BY TRACED BY
ERECT.	REVISED LAST ASSEM. MK.
O. INSP.	SHOP NO. CONTRACT CJ3310 SHEET E2

61 of 147

0 1 2 3 4 5 INCHES





ERECTOR NOTE: S91 to be Erected Before S4

SHIMS S1 & S2 to be used as needed to align Railing to Diagonals.

SHIMS S3 & S4 to be used as needed to align Railing to Verticals.

SHIMS S5 & S6 to be used as needed on outside face of Railing Post at Truss Members.

Shims S7 & S10 to be used as needed to align railing at diaphs between railing posts & stringers.

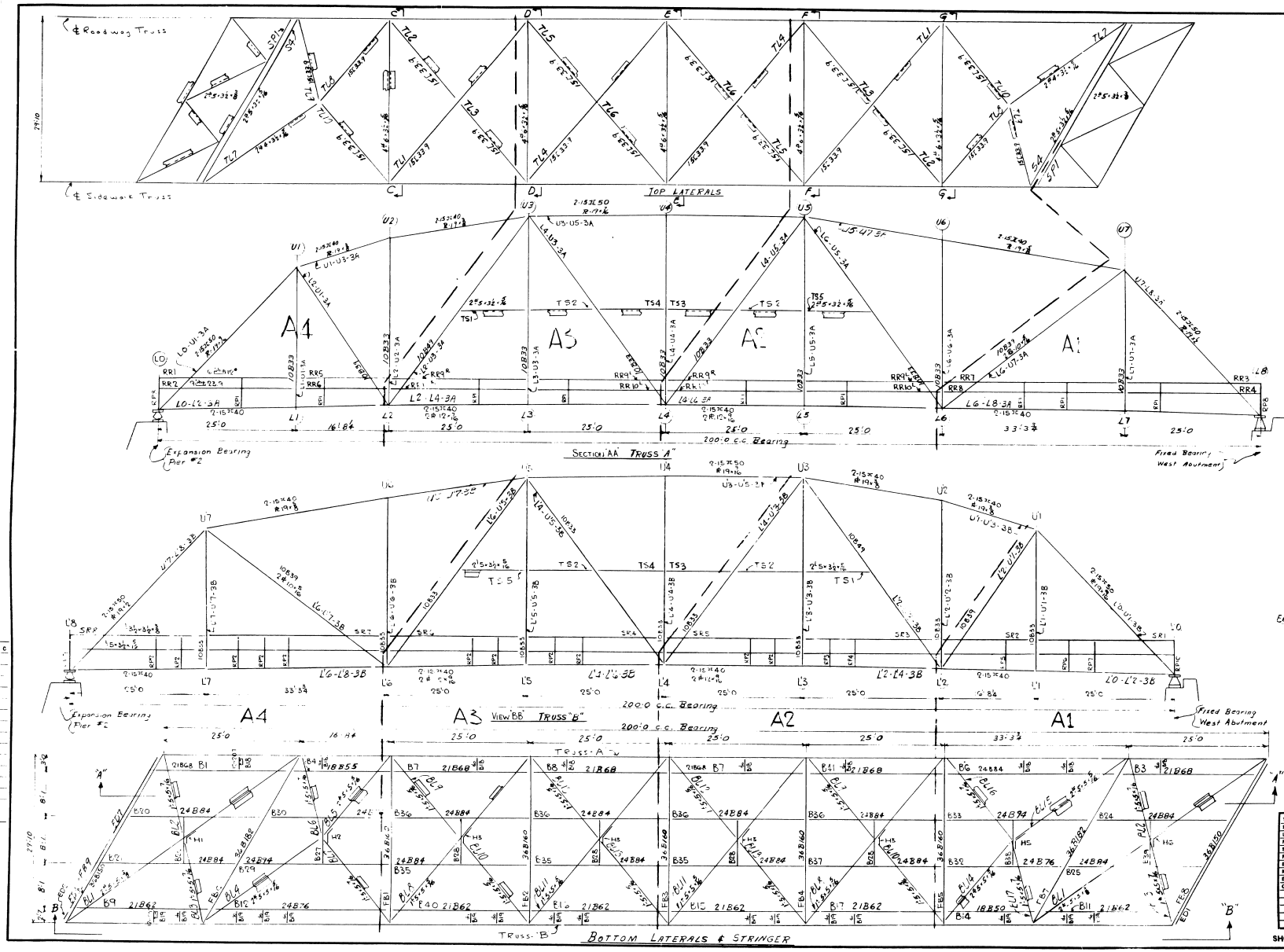
For blocking sketch for bottom chords see sheet E5.

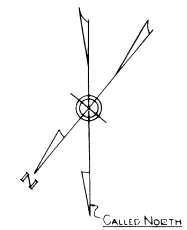
SPAN #2

TEMP.	Rumford Point Bridge
SUPT.	Rumford, Maine
LAYOUT	Callahan Bros., Mechanic Falls, Maine
FITTER	**BETHLEHEM STEEL COMPANY**
SHOP INSP.	FABRICATED STEEL CONSTRUCTION
PC. WK.	POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
B. SMITH	IN CHARGE H.W.D. MADE BY A.P.S.
MCH.	CHECKED BY TRACED BY
ERECT.	REVISED LAST ASSEM. MK.
O. INSP.	SHOP NO. 2 CONTRACT CJ3310 SHEET E3

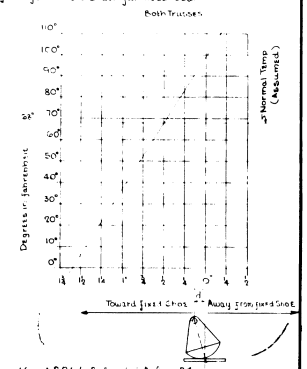
61-148

0 1 2 3 4 5 INCHES





Lean of rockers shown are for full steel erected condition and are those which will produce theoretically vertical rockers at normal Temperature of 68° Fahrenheit under full dead load.



Erector Note: SP1 to Be Erected Before S4

SHIMS S1 & S2 to be used as needed to align Railing to Diagonals.

SHIMS S3 & S4 to be used as needed to align Railing to Verticals.

SHIMS S5 & S6 to be used as needed on outside face of Railing Posts at Truss Members.

Shims S9 & S10 to be used as needed to align railing at diaphs. between railing posts & stringers.

For blocking sketch for bottom chords see sheet E5.

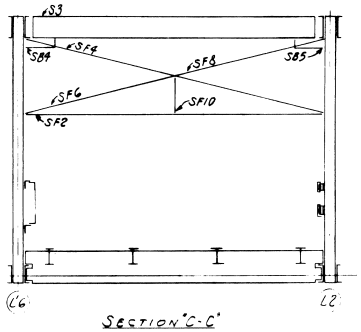
SPAN #3

TEMP.	Rumford Point Bridge
SUPT.	Rumford, Maine
LAYOUT	Callahan Bros., Mechanic Falls, Maine
FITTER	**BETHLEHEM STEEL COMPANY**
SHOP INSP.	FABRICATED STEEL CONSTRUCTION
PC. WK.	POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
B. SMITH	IN CHARGE H.W.D. MADE BY A.P.S.
MCH.	CHECKED BY TRACED BY
ERECT.	REVISED 4/5/55 LAST ASSEM. MK.
O. INSP.	

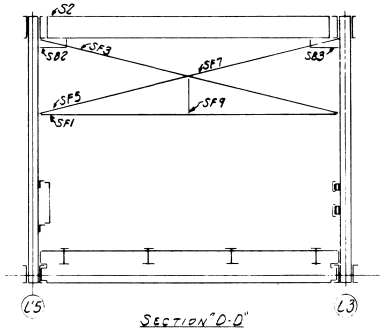
SHOP NO. 2 CONTRACT CJ 3310 SHEET E4

67-149

0 1 2 3 4 5 INCHES



SECTION "C-C"



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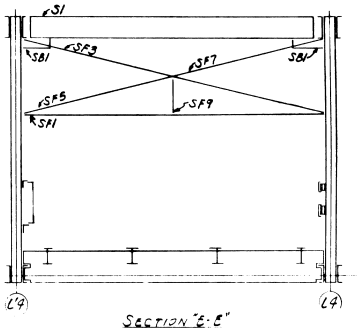
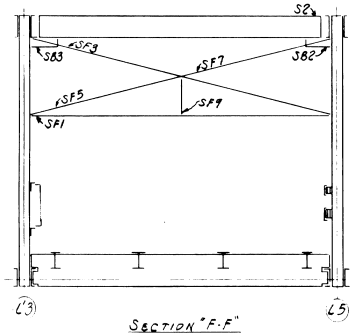
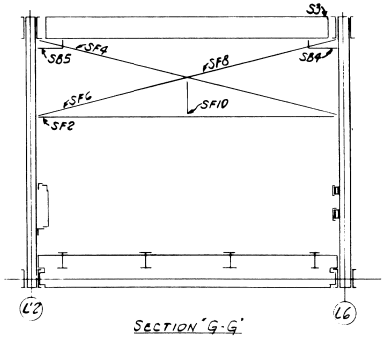


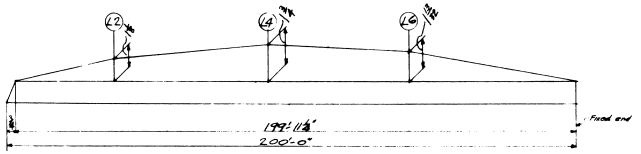
SECTION "E-E"



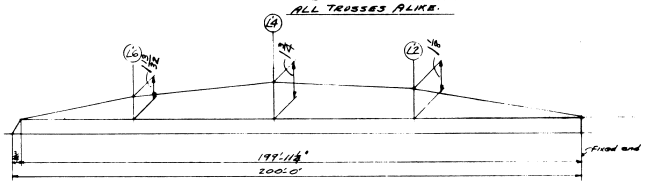
SECTION "F-F"



SECTION "G-G"



BLOCKING SKETCH FOR BOTTOM CHORD OF TRUSSES "A".
ALL TRUSSES ALIKE.



BLOCKING SKETCH FOR BOTTOM CHORD OF TRUSSES "B".
ALL TRUSSES ALIKE.

FOR LOCATION OF SECTIONS SEE SHTS. E2, E3 + E9

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

TEMP.	
BUFF.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
G. INSP.	

Rumford Point Bridge
Rumford, Maine
Callahan Bros., Mechanic Falls, Maine

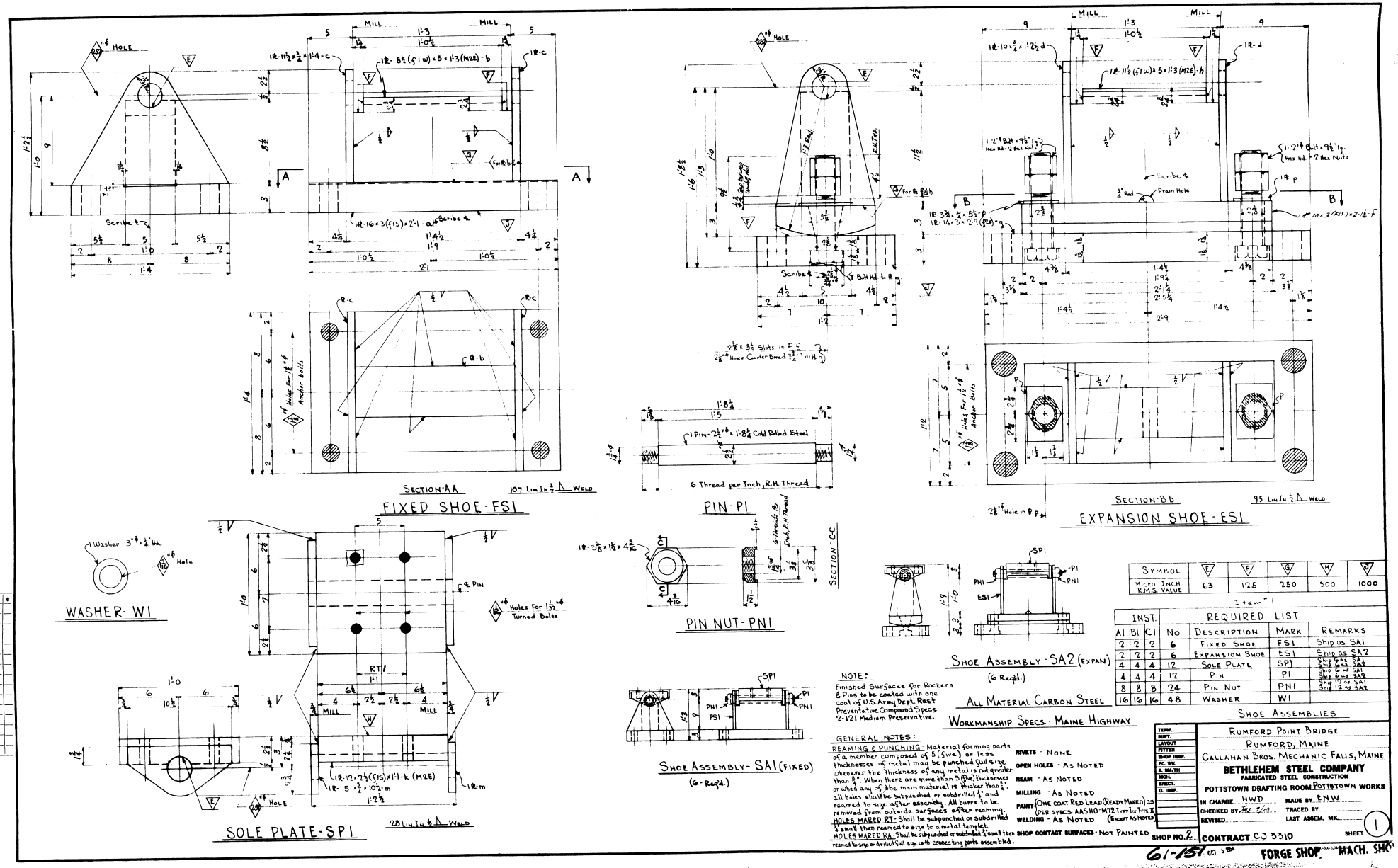
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE H.W.D. MADE BY A.P.S.
CHECKED BY TRACED BY
REVISED LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ 3310 SHEET E5

61-730

0 1 2 3 4 5 INCHES



SYMBOL	E	F	G	H	J
MICRO INCH R.M.S. VALUE	63	125	250	500	1000

Item "1

INST. A1	INST. B1	INST. C1	No.	DESCRIPTION	MARK	REMARKS
2	2	2	6	FIXED SHOE	FS1	Ship as SA1
2	2	2	6	EXPANSION SHOE	ES1	Ship as SA2
4	4	4	12	SOLE PLATE	SP1	Ship 6 as SA1 Ship 6 as SA2
4	4	4	12	PIN	P1	Ship 6 as SA1 Ship 6 as SA2
8	8	8	24	PIN NUT	PN1	Ship 12 as SA1 Ship 12 as SA2
16	16	16	48	WASHER	W1	

REQUIRED LIST

SHOE ASSEMBLIES

NOTE:
Finished Surfaces for Rockers & Pins to be coated with one coat of U.S. Army Dept. Rust Preventative Compound Specs 2-121 Medium Preservative.

ALL MATERIAL CARBON STEEL

WORKMANSHIP SPECS - MAINE HIGHWAY

GENERAL NOTES:

REAMING & PUNCHING - Material forming parts of a member composed of 5 (five) or less thicknesses of metal may be punched full size whenever the thickness of any metal is not greater than ¾". When there are more than 5 (five) thicknesses or when any of the main material is thicker than ¾", all holes shall be subpunched or subdrilled ¼" and reamed to size after assembly. All burrs to be removed from outside surfaces after reaming.

HOLES MARKED RT - Shall be subpunched or subdrilled ¼ small then reamed to size to a metal templet.

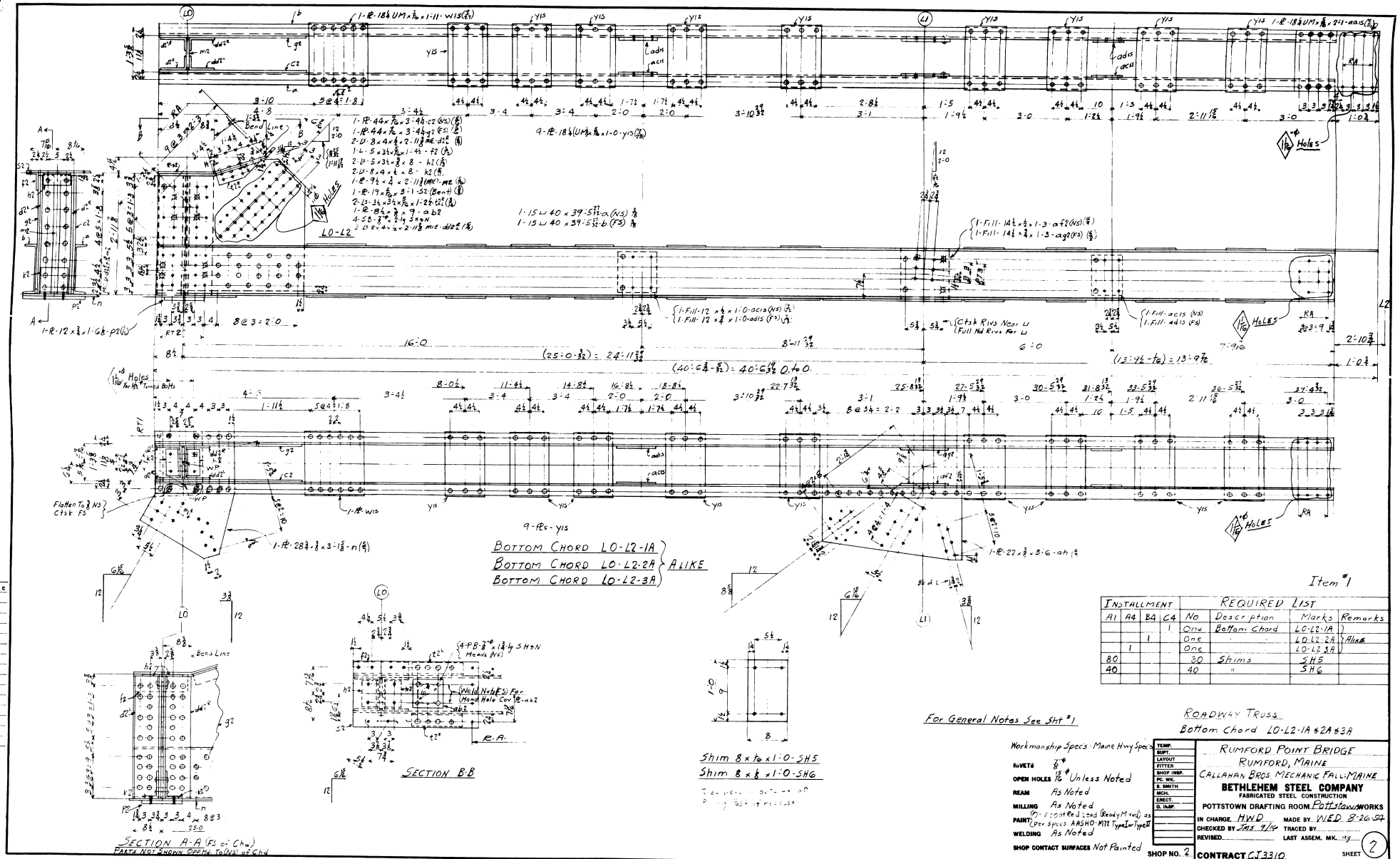
HOLES MARKED RA - Shall be subpunched or subdrilled ¼ small then reamed to size or drilled full size with connecting parts assembled.

RIVETS - NONE
OPEN HOLES - AS NOTED
REAM - AS NOTED
MILLING - AS NOTED
PAINT - ONE COAT RED LEAD (READY MIXED) AS (PER SPECS. AASHO-M72 Type I & Type II
WELDING - AS NOTED (Except as Noted)
SHOP CONTACT SURFACES - NOT PAINTED

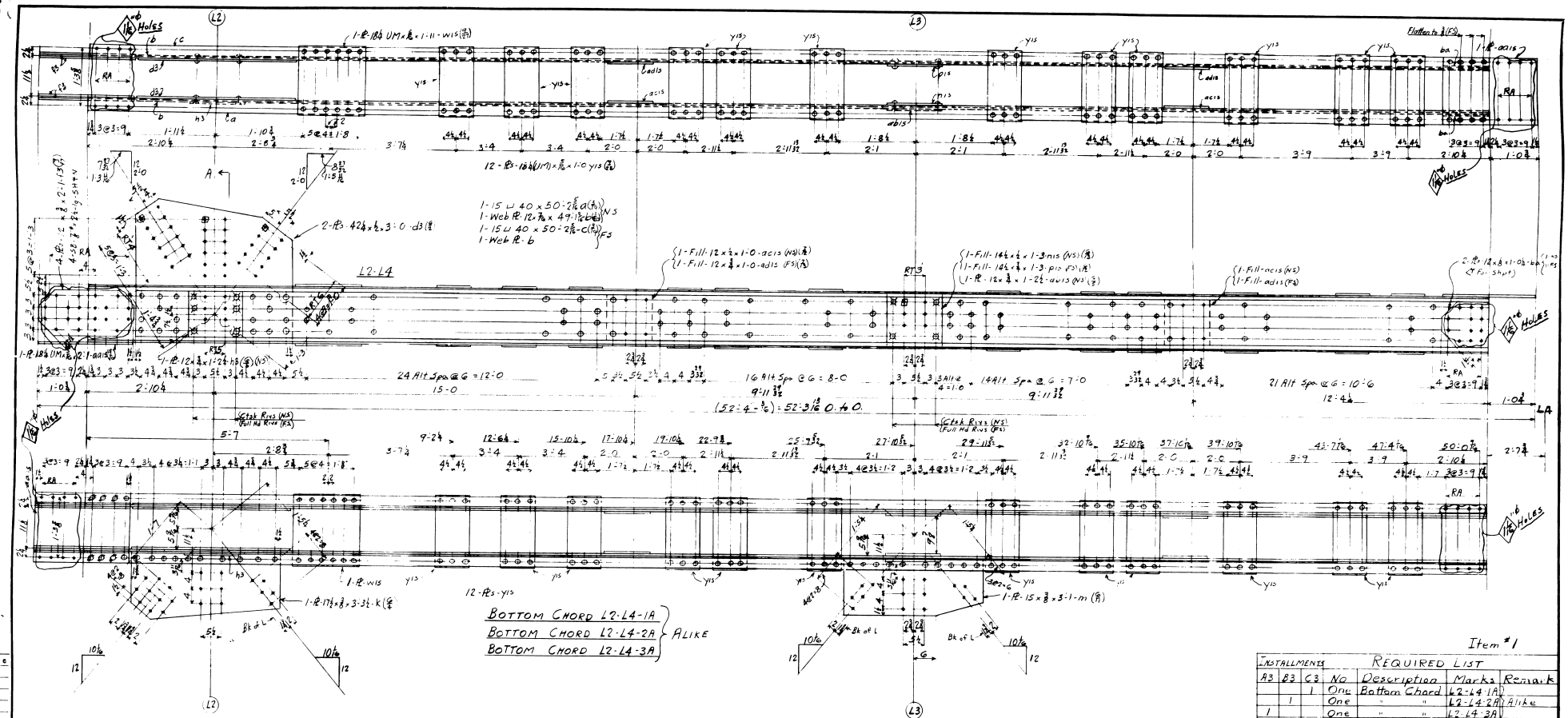
TEMP.	
DEPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SM.TH	
MCH.	
ERECT.	
O. INSP.	

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
IN CHARGE HWD MADE BY ENW
CHECKED BY HWD 7/10 TRACED BY
REVISED LAST ASSEM. MK.
SHOP NO. 2 CONTRACT CJ 3310 SHEET 1

61-157 (C) 3 EA FORGE SHOP MACH. SHOP



INSTALLMENT				REQUIRED LIST			
A1	A4	B4	C4	No	Description	Marks	Remarks
			1	One	Bottom Chord	LO-L2-1A	Alike
		1		One	" "	LO-L2-2A	
	1			One		LO-L2-3A	
80				80	Shims	SH5	
40				40	"	SH6	



Item #1

INSTALLMENTS			REQUIRED LIST			
A3	B3	C3	No	Description	Marks	Remark
		1	One	Bottom Chord	L2-L4-1A	
	1		One	" "	L2-L4-2A	Alike
1			One	" "	L2-L4-3A	

For General Notes See Sht #1

ROADWAY TRUSS
Bottom Chord L2-L4-1A & 2A & 3A

Workmanship Specs - Maine Hwy Specs

RIVETS 7/8 φ
OPEN HOLES 15/16 φ Unless Noted
REAM As Noted
MILLING None
PAINT One coat Red Lead (Ready Mixed) as per specs AASHO-M72 Type I & Type II
WELDING None
SHOP CONTACT SURFACES Not Painted

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
E. SMITH	
MCH.	
ERECT.	
O. INSP.	

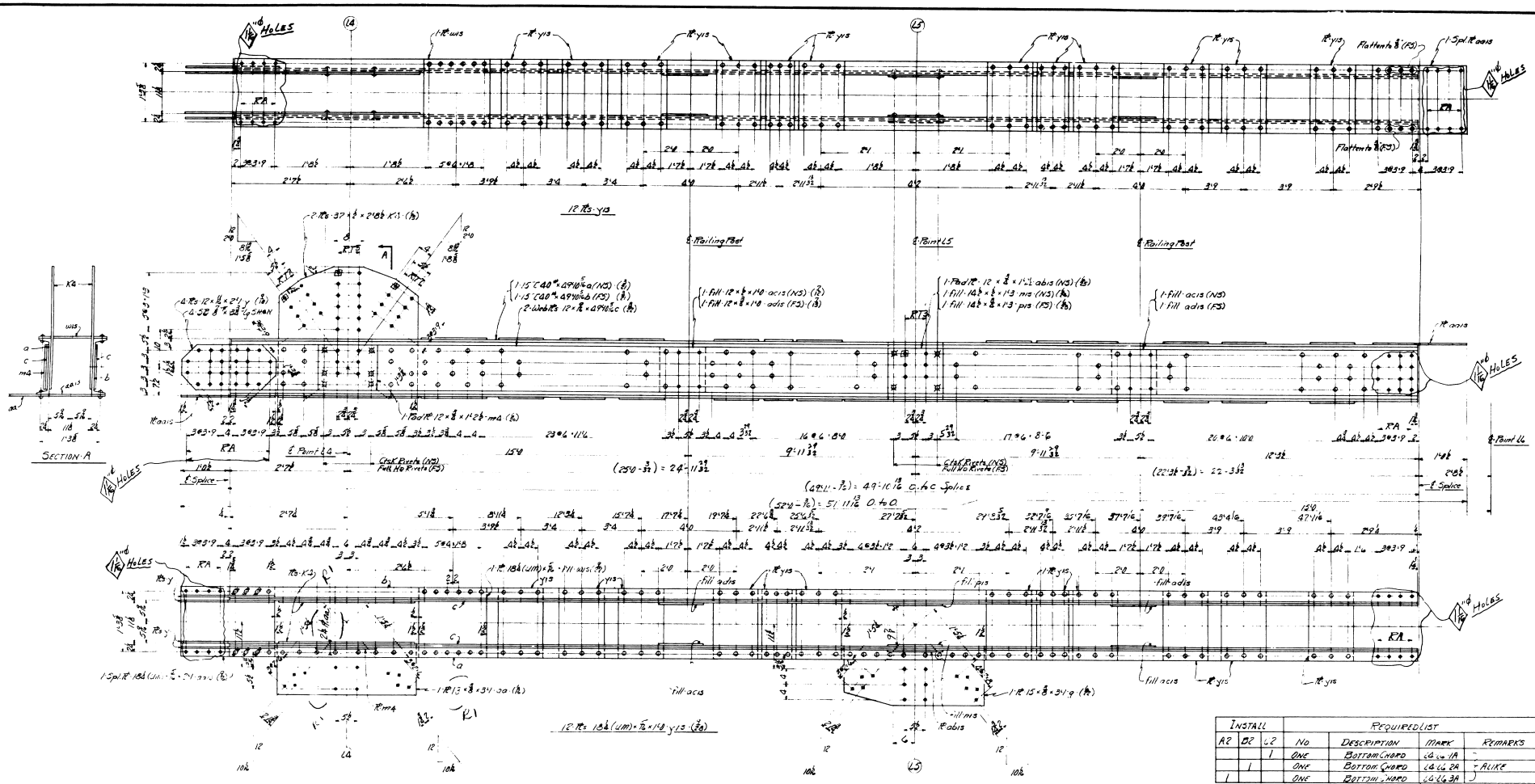
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS MECHANIC FALLS MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE HWD MADE BY WED 8-30-54
CHECKED BY JMS 9/16 TRACED BY
REVISED LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ3310 SHEET 3

GT-753



BOTTOM CHORD - L4-L6-1A
BOTTOM CHORD - L4-L6-2A
BOTTOM CHORD - L4-L6-3A
} ALIKE

INSTALL			REQUIRED LIST			
A2	B2	C2	NO	DESCRIPTION	MARK	REMARKS
		1	ONE	BOTTOM CHORD	L4-L6-1A	-
	1		ONE	BOTTOM CHORD	L4-L6-2A	- ALIKE
1			ONE	BOTTOM CHORD	L4-L6-3A	

ITEM #1
ROADWAY TRUSS
BOTTOM CHORDS L4-L6-1A, 2A, 3A

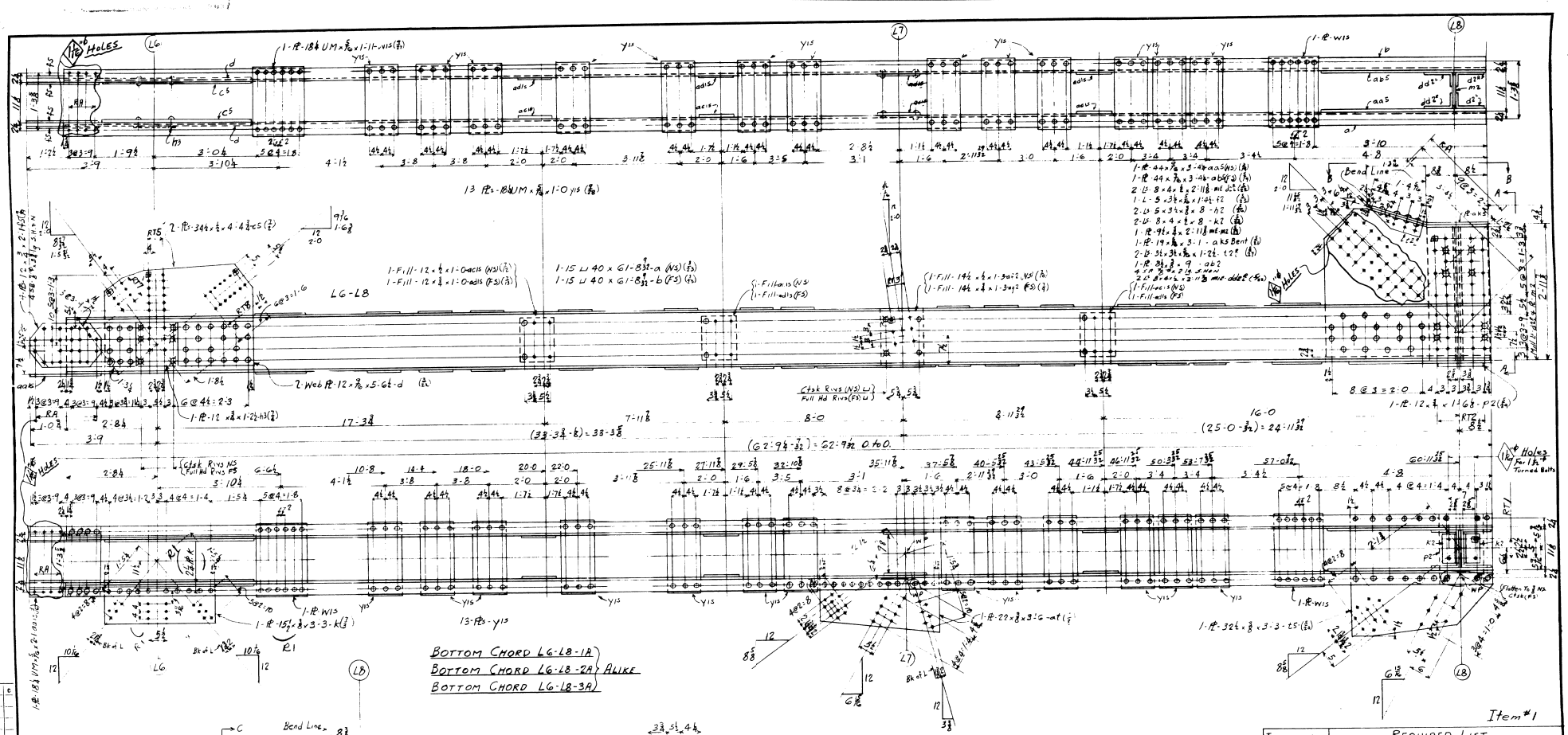
FOR GENERAL NOTES SEE SH #1
WORKMANSHIP SPECS - MAINE HWY SPECS

RIVETS 7/8"-φ
OPEN HOLES 15/16"-φ Unless Noted
REAM - As noted
MILLING None
PAINT One Coat Red Lead (Red Oxide No. 10) As Per Spec. AASHO M72 Type I or Type II
WELDING None
SHOP CONTACT SURFACES Not Painted

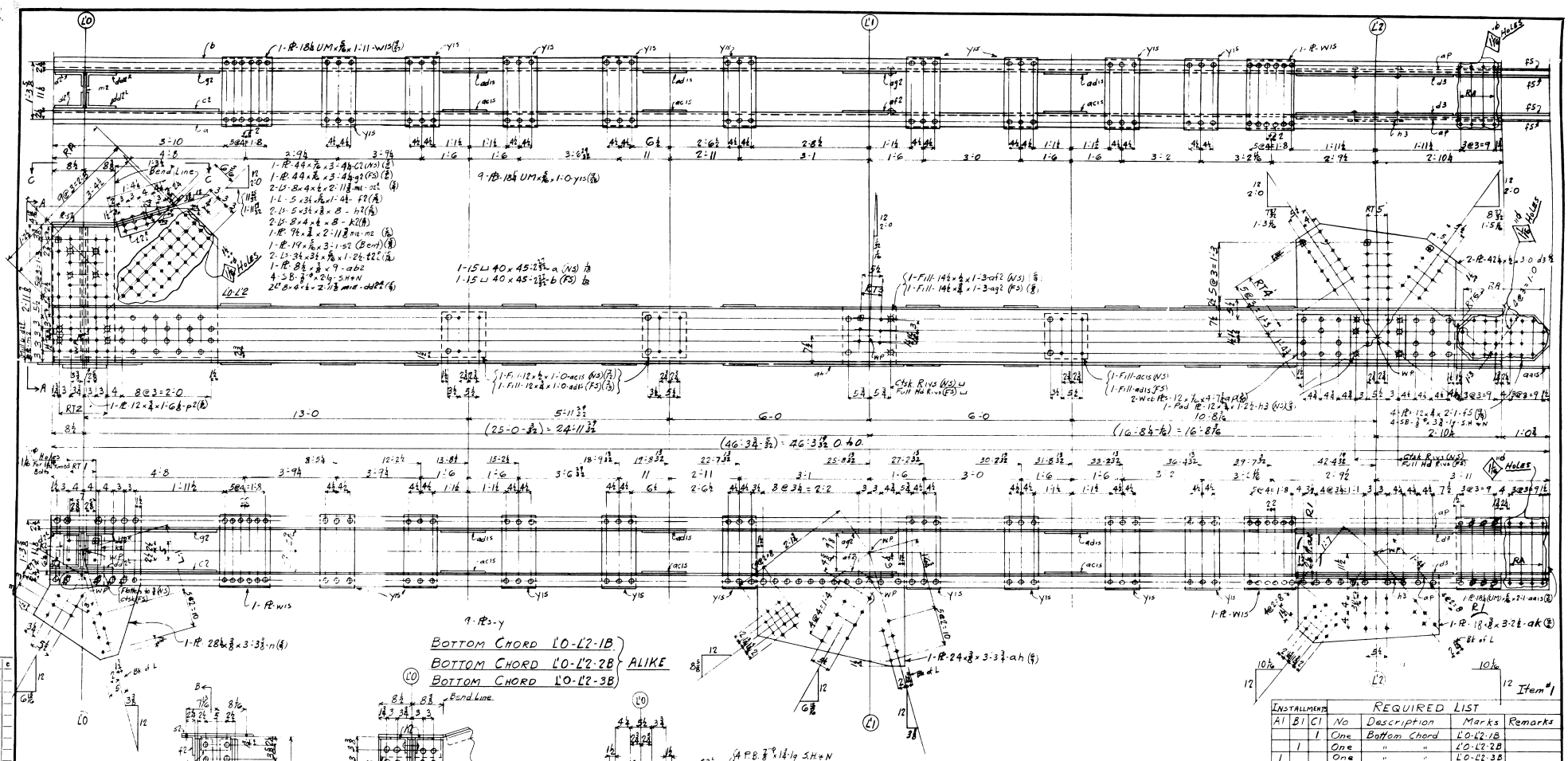
TEMP.
RIPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
R. SMITH
MCH.
ERECT.
O. INSP.

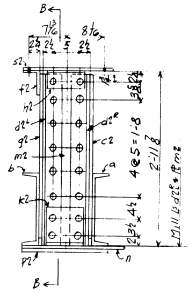
RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS MECHANIC FALLS, MAINE
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM BETHLEHEM WORKS
IN CHARGE H.W.D. MADE BY R.K.S.
CHECKED BY JAS. 9/16 TRACED BY
REVISED R.T. 10-8-54 LAST ASSEM. MK.
SHOP NO. 8 CONTRACT CJ 3310 SHEET 4

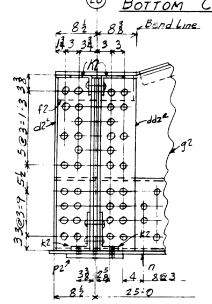
61-154

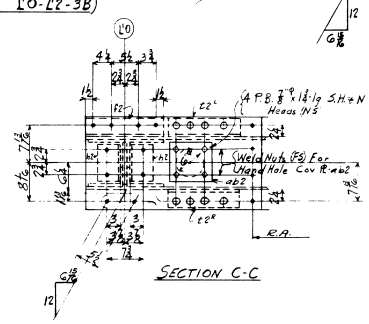


INSTALLMENTS			REQUIRED LIST			
A1	B1	C1	No	Description	Mark	Remark
		1	One	Bottom Chord	LG-LB-1A	
	1		One	" "	LG-LB-2A	ALIKE
1			One	" "	LG-LB-3A	









INSTALLMENTS			REQUIRED LIST			
A1	B1	C1	No	Description	Marks	Remarks
		1	One	Bottom Chord	L'0-L'2-1B	
	1		One	" "	L'0-L'2-2B	
1			One	" "	L'0-L'2-3B	

For General Notes See Sht #1

SIDEWALK TRUSS
Bottom Chord L'0-L'2-1B & 2B & 3B

Workmanship Specs - Maine Hwy Specs

RIVETS 7/8" φ
OPEN HOLES 15/16" φ Unless Noted
REAM As Noted
MILLING As Noted
PAINT One coat Red Lead (Road, Mixed) as per specs AASHO-M72 Type I or Type II
WELDING As Noted
SHOP CONTACT SURFACES Not Painted

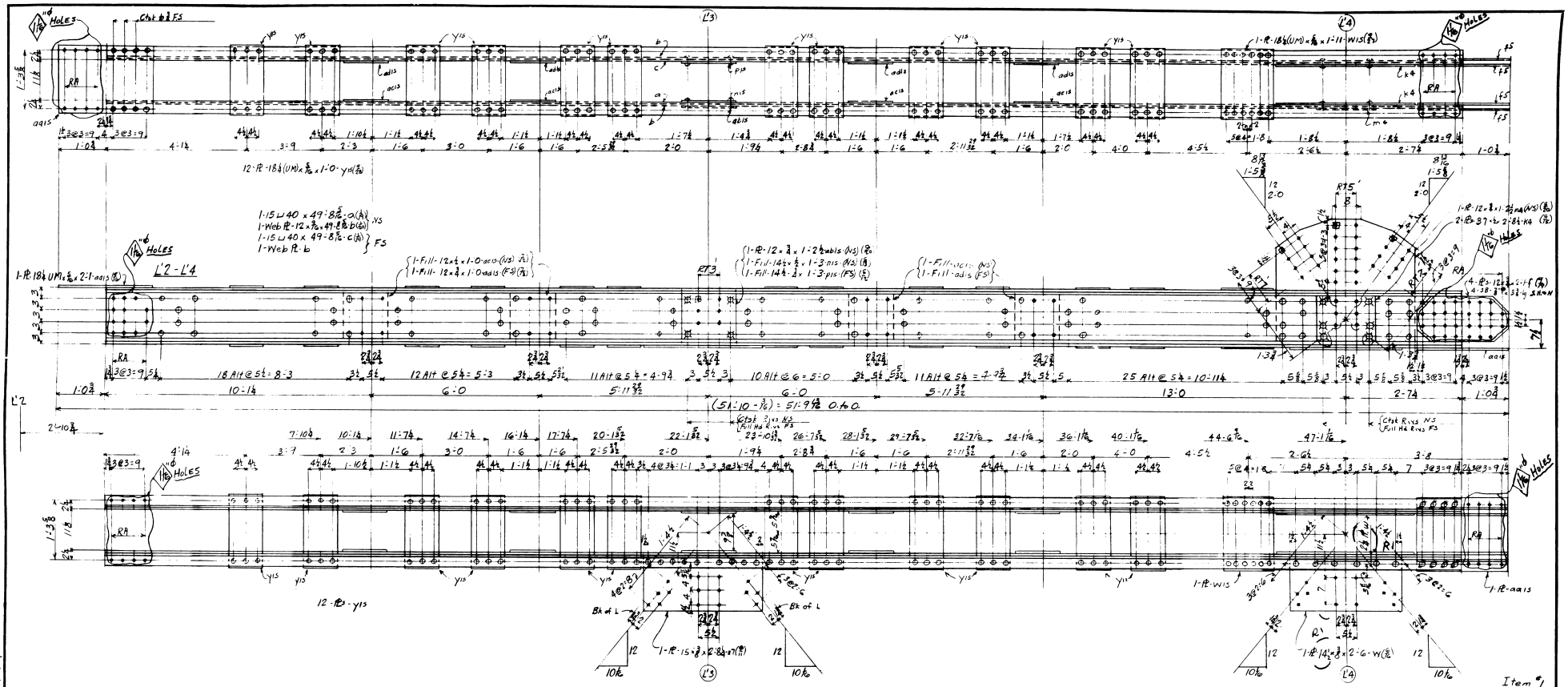
TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
S. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS
IN CHARGE HWD MADE BY WED 9-8-54
CHECKED BY JMS 9/17 TRACED BY
REVISED R1-10-8-54 LAST ASSEM. MK.
SHOP NO. 2 CONTRACT CJ3310 SHEET 6

61-156

FORGE SHOP

0 1 2 3 4 5 INCHES



BOTTOM CHORD L'2-L'4-1B
BOTTOM CHORD L'2-L'4-2B
BOTTOM CHORD L'2-L'4-3B
} ALIKE

INSTALLMENTS			REQUIRED LIST			
A2	B2	C2	No	Description	Marks	Remarks
		1	One	Bottom Chord	L'2-L'4-1B	
	1		One	" "	L'2-L'4-2B	Alike
1			One	" "	L'2-L'4-3B	

FOR GENERAL NOTES SEE SHEET #1

Workmanship Specs.-Maine Hwy Specs

RIVETS $\frac{7}{8}\phi$

OPEN HOLES $\frac{15}{16}\phi$ Unless Noted

REAM As Noted

MILLING None

PAINT One coat Red Lead (Ready Mixed) as per Specs. AASHO-M72 Type I or Type II

WELDING None

SHOP CONTACT SURFACES Not Painted

SIDEWALK TRUSS
Bottom Chord L'2-L'4-1B+2B+3B

TEMP.
DRFT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
S. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS MECHANIC FALLS, MAINE

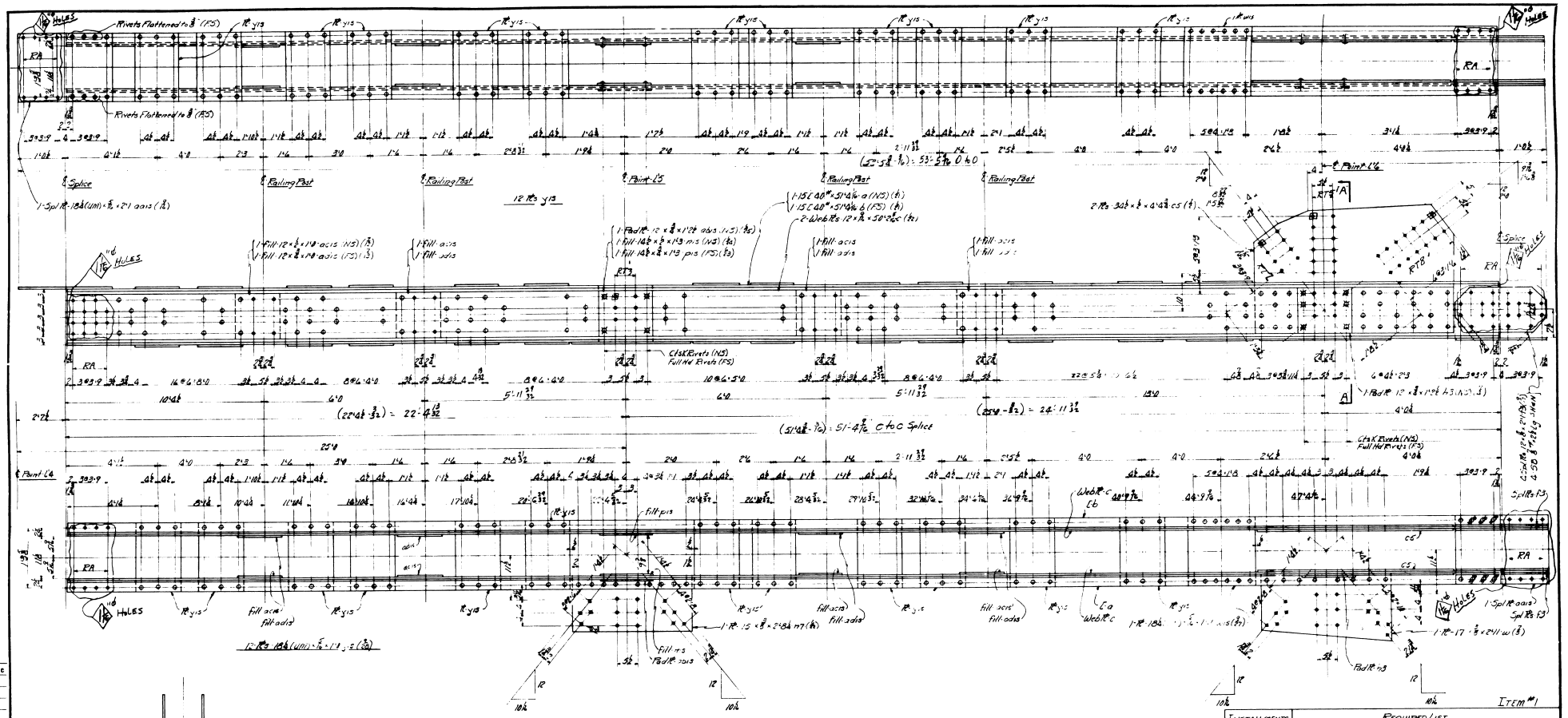
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

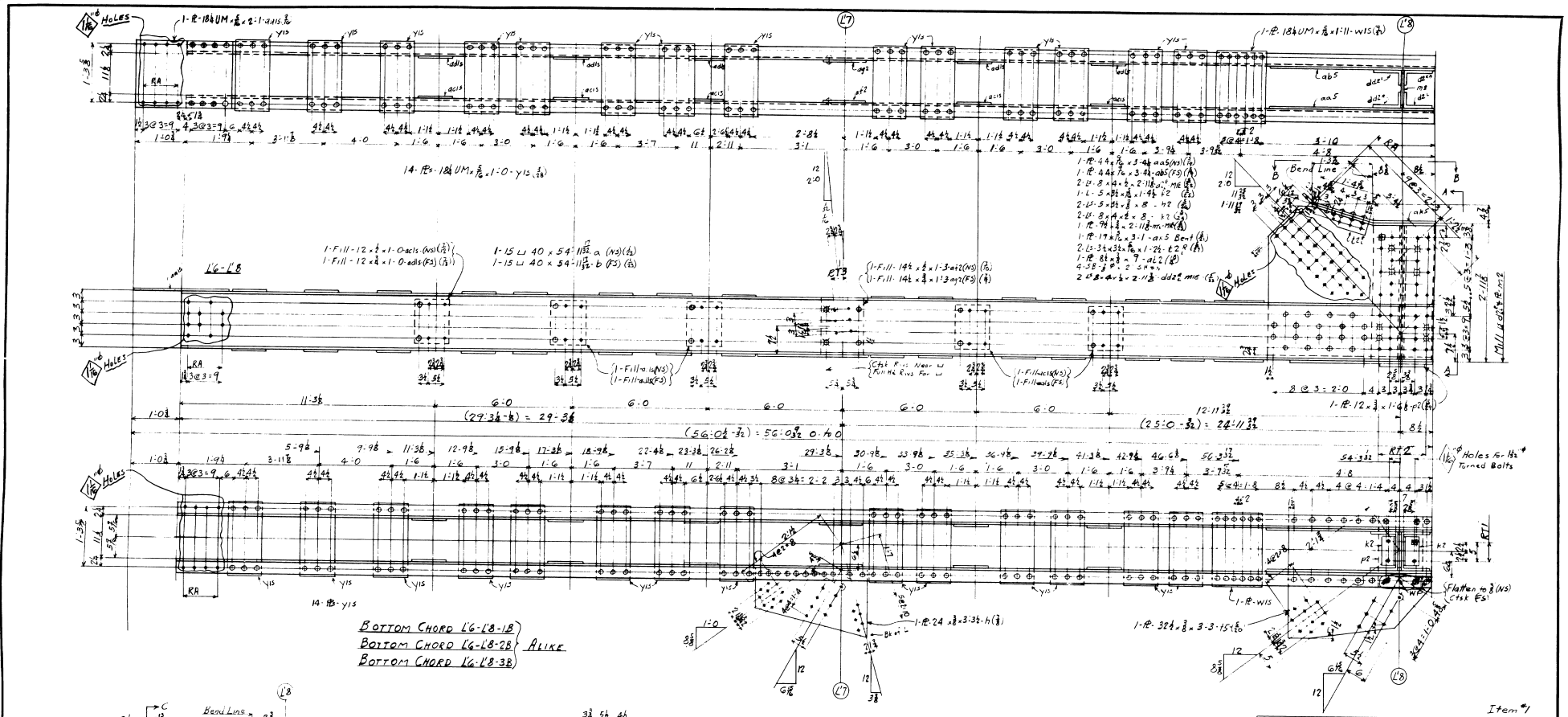
IN CHARGE H.W.D. MADE BY WED. 9-10-54
CHECKED BY JMS 9/17 TRACED BY
REVISED RI-10-8-54 LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ3310 SHEET 7

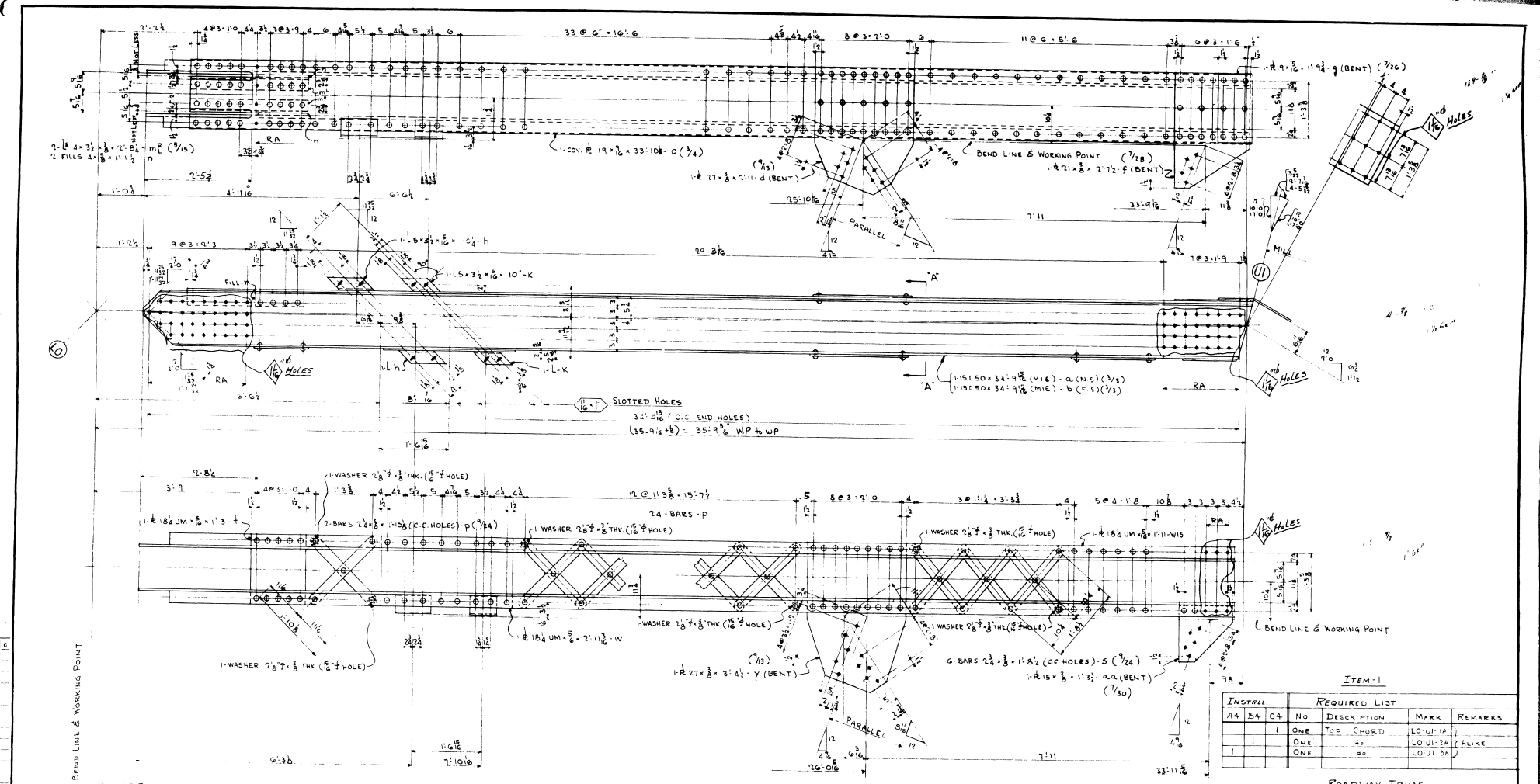
61-157

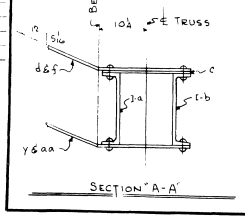
0 1 2 3 4 5 INCHES


Rivets Flattened to 7/8" (FS)
Rivets Flattened to 7/8" (FS)
Splice
Railing Post
Railing Post
Railing Post
Railing Post
Railing Post
Point L5
Point L6
Point L4
Splice
Splice
Holes
Holes
Holes
Holes
Holes
RA
RA
RA
RA
12 Rs yls
12 Rs 18b (um) × 5/16 yls (3/8)
1-Spl Pl 18b (um) × 5/16 × 21 aais (7/8)
1-Fill 12 × 3/8 × 19 aais (NS) (7/8)
1-Fill 12 × 3/8 × 19 aais (FS) (1 3/8)
1-Fill aais
1-Fill aais
1-Pad Pl 12 × 3/8 × 12b aais (NS) (7/8)
1-Fill 14b × 3/8 × 13 pis (NS) (7/8)
1-Fill 14b × 3/8 × 13 pis (FS) (1 3/8)
1-15 L 40# × 51 4/4b a (NS) (7/8)
1-15 L 40# × 51 4/4b b (FS) (7/8)
2-Web Pls 12 × 3/8 × 50 2/8 c (7/8)
2-Pls 30b × 1/2 × 4 4 3/8 cs (7/8)
Ctsk Rivets (NS)
Full Hd Rivets (FS)
1-Pad Pl 12 × 3/8 × 1 2b a3 (NS) (7/8)
Ctsk Rivets (NS)
Full Hd Rivets (FS)
Web Pl c
Cb
Ca
Web Pl c
Fill pis
Fill aais
Fill aais
Fill aais



INSTALLMENTS			REQUIRED LIST			
A4	B4	C4	No	Description	Mark	Remark
		1	One	Bottom Chord	L6-L8-1B	
	1		One	" "	L6-L8-2B	Alike
1			One	" "	L6-L8-3B	





TOP CHORD LO-U1-1A, LO-U1-2A & LO-U1-3A — ALIKE

ITEM-1

INSTALL			REQUIRED LIST			
A4	B4	C4	NO	DESCRIPTION	MARK	REMARKS
		1	ONE	TOP CHORD	LO-U1-1A	ALIKE
	1		ONE	do	LO-U1-2A	
1			ONE	do	LO-U1-3A	

ROADWAY TRUSS

POINTS LO-U1-1A, LO-U1-2A & LO-U1-3A

FOR GENERAL NOTES SEE SHEET #1

WORKMANSHIP SPECS: MAINE HIGHWAY SPECS.

RIVETS $\frac{7}{8}$" ⌀

OPEN HOLES $\frac{15}{16}$" ⌀ UNLESS NOTED

REAM SEE GENERAL NOTES

MILLING AS NOTED

PAINT ONE COAT RED LEAD (READY MIXED) AS PER SPECS. AASHO-M72 TYPE I OR TYPE II

WELDING NONE

SHOP CONTACT SURFACES NOT PAINTED

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

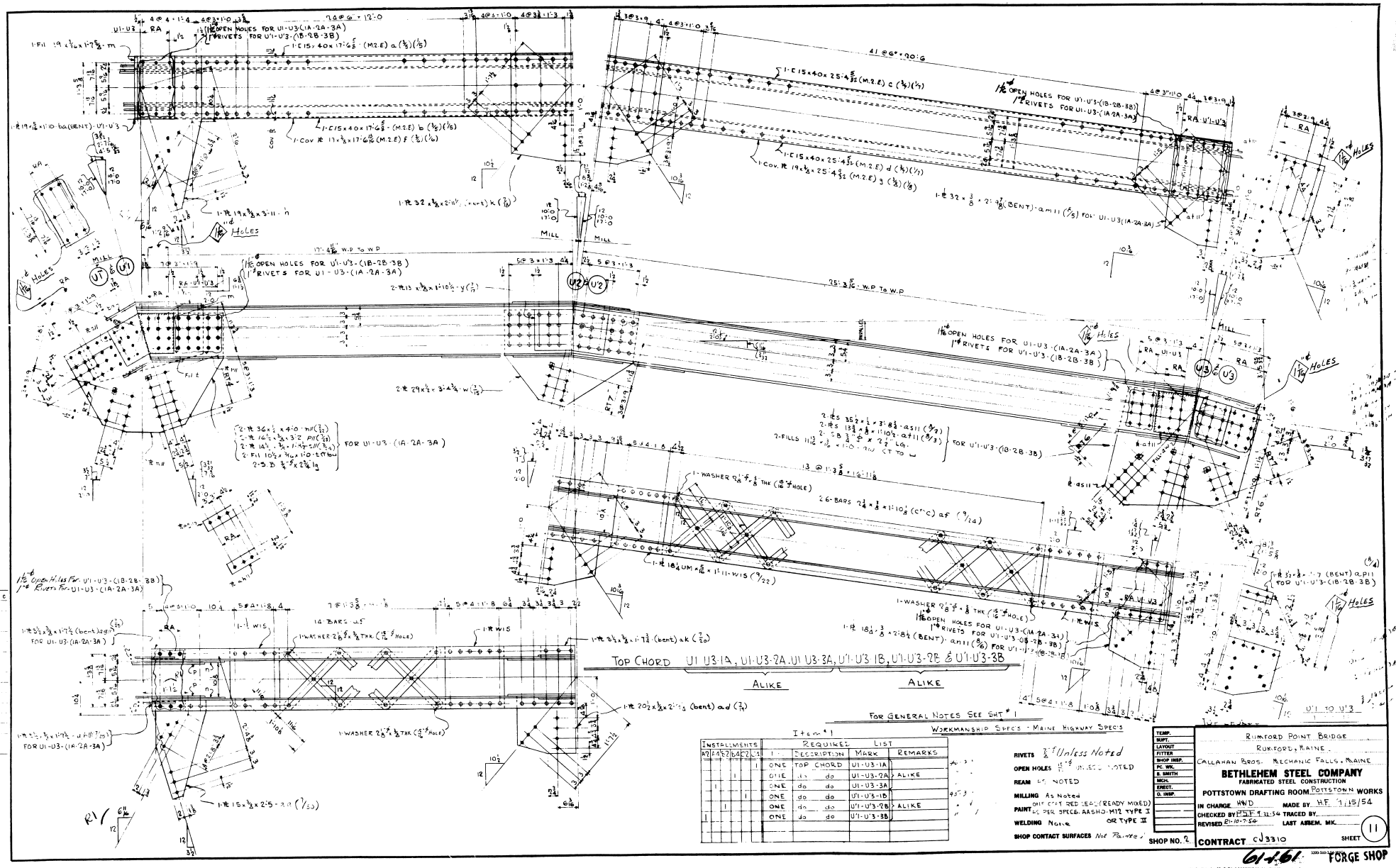
IN CHARGE H.W.D. MADE BY H.F. 9/20/54
CHECKED BY [signature] 9/23/54 TRACED BY
REVISED LAST ASSEM. MK.

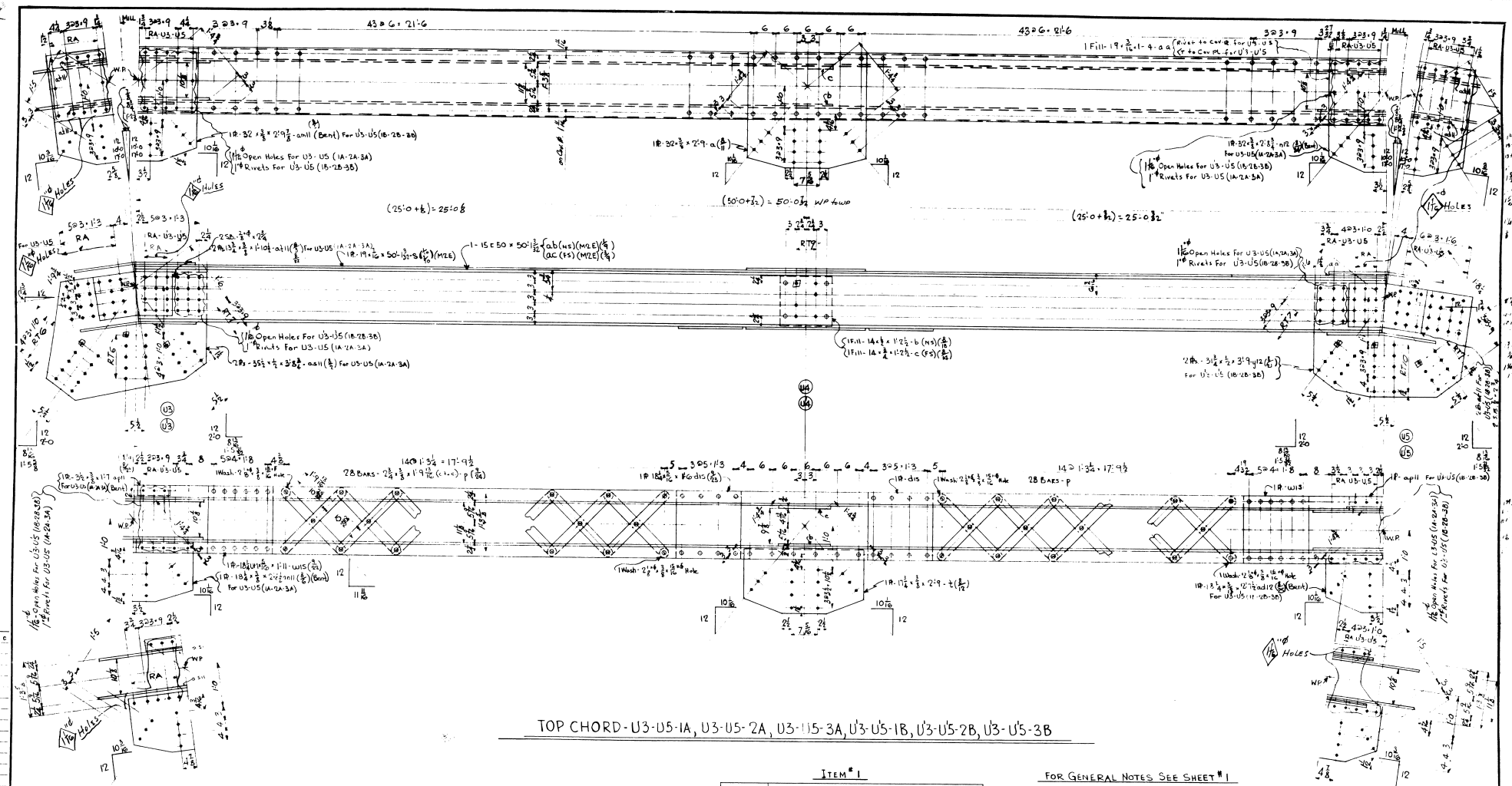
SHOP NO. 2 CONTRACT CJ3310 SHEET 10

61-160

FORGE SHOP

0 1 2 3 4 5 INCHES


U1-U3
RA
1-Fil 19 x 3/16 x 1'-7 5/8 - m
1 13/16" OPEN HOLES FOR U1-U3-(1A-2A-3A)
1" RIVETS FOR U1-U3-(1B-2B-3B)
1-C 15 x 40 x 17'-6 5/8 - (M.2.E) a (3/8)(1/5)
1-C 15 x 40 x 17'-6 5/8 - (M.2.E) b (3/8)(1/8)
1-Cov PL 17 3/8 x 17'-6 11/16 (M.2.E) f (3/8)(1/16)
1-PL 19 x 5/16 x 1'-10 - ba (BENT) - U1-U3
1-PL 19 x 3/8 x 3'-11 - h
1-PL 32 x 3/8 x 2'-11 1/2 (bent) k (3/8)
MILL
17'-4 5/16" W.P. To W.P.
1 13/16" OPEN HOLES FOR U1-U3-(1B-2B-3B)
1" RIVETS FOR U1-U3-(1A-2A-3A)
2-PL 13 x 3/8 x 1'-10 1/2 - y (7/16)
2-PL 29 x 1/2 x 3'-2 3/4 - w (7/16)
2-PL 36 x 1/2 x 4'-0 - m/f (7/32)
2-PL 16 1/2 x 3/8 x 3'-2 - p/k (3/8)
2-PL 14 1/2 x 3/8 x 1'-8 1/2 - s/l (3/8)
2-Fil 10 1/2 x 3/16 x 1'-0 - s/m (3/16)
2-5 B 3/4" ø x 2 3/4 lg
FOR U1-U3-(1A-2A-3A)
1 13/16" Open Holes For U1-U3-(1B-2B-3B)
1" Rivets For U1-U3-(1A-2A-3A)
1-PL 3 1/2 x 3/8 x 1'-7 1/2 (bent) a.p.11 (7/32)
FOR U1-U3-(1A-2A-3A)
1-1/4 WIS
1-WASHER 2 1/8" ø x 3/8 THK (1 5/16" ø HOLE)
1-PL WIS
1-PL 8 1/2 x 3/8 x 1'-7 1/2 (bent) a.k (7/20)
1-PL 2 1/2 x 3/8 x 1'-9 1/2 - u.k/l (7/20)
FOR U1-U3-(1A-2A-3A)
1-WASHER 2 1/8" ø x 3/8 THK (1 5/16" ø HOLE)
1-PL 20 1/2 x 3/8 x 2'-1 1/2 (bent) a.d (7/16)
1-PL 15 x 3/8 x 2'-5 - 2.0 (7/20)
41 @ 6" = 20'-6
1-C 15 x 40 x 25'-4 5/32 (M.2.E) c (3/8)(1/5)
1 13/16" OPEN HOLES FOR U1-U3-(1B-2B-3B)
1" RIVETS FOR U1-U3-(1A-2A-3A)
1-C 15 x 40 x 25'-4 5/32 (M.2.E) d (3/8)(1/5)
1-Cov. PL 19 x 3/8 x 25'-4 5/32 (M.2.E) 3 (3/8)(1/8)
1-PL 32 x 3/8 x 2'-11 3/8 (BENT) - a.m.11 (5/8) FOR U1-U3 (1A-2A-3A)
25'-3 5/16" W.P. To W.P.
1 13/16" OPEN HOLES FOR U1-U3-(1A-2A-3A)
1" RIVETS FOR U1-U3-(1B-2B-3B)
2-PL 35 1/2 x 1/2 x 3'-8 1/2 - a.s.11 (5/32)
2-PL 18 1/2 x 3/8 x 1'-10 1/2 - a.t.11 (5/32)
2-5 B 3/4" ø x 2 1/2 LG.
2-Fills 11 1/2 x 3/16 x 1'-0 - n/w CT TO
FOR U1-U3-(1B-2B-3B)
13 @ 1'-3 5/8 = 16'-11 1/8
1-WASHER 2 1/8" ø x 3/8 THK (1 5/16" ø HOLE)
26-BARS 2 1/2 x 3/8 x 1'-10 1/8 (C.T.C) a.f (9/24)
1-PL 18 1/4 UM x 5/16 x 1'-11 - W.I.S (9/22)
1-WASHER 2 1/8" ø x 3/8 THK (1 5/16" ø HOLE)
1 13/16" OPEN HOLES FOR U1-U3-(1A-2A-3A)
1" RIVETS FOR U1-U3-(1B-2B-3B)
1-PL 18 1/4 x 3/8 x 2'-8 1/2 (BENT) - a.n.11 (5/8) FOR U1-U3-(1B-2B-3B)
1-PL 3 1/2 x 3/8 - 1'-7 (BENT) a.p.11 FOR U1-U3-(1B-2B-3B)
1-1/4 WIS
1-PL WIS
U1 TO U3
U1
U2
U3
Holes
Mill
Top Chord U1 U3-1A, U1-U3-2A, U1 U3-3A, U1-U3 1B, U1-U3-2B & U1-U3-3B
ALIKE
ALIKE
For General Notes See Sht #1
Workmanship Specs - Maine Highway Specs
Item #1
Installments
Required List
Description
Mark
Remarks
ONE TOP CHORD U1-U3-1A
ONE do do U1-U3-2A
ONE do do U1-U3-3A
ONE do do U1-U3-1B
ONE do do U1-U3-2B
ONE do do U1-U3-3B
ALIKE
ALIKE
Rivets 7/8" ø Unless Noted
Open Holes 1 13/16" ø Unless Noted
Ream As Noted
Milling As Noted
Paint One Coat Red Lead (Ready Mixed) Per Specs. AASHO-M72 Type I or Type II
Welding None
Shop Contact Surfaces Not Painted
Temp.
Supt.
Layout
Fitter
Shop Insp.
Pc. Wk.
R. Smith
Mch.
Erect.
O. Insp.
Rumford Point Bridge
Rumford, Maine.
Callahan Bros. Mechanic Falls, Maine
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
In Charge HWD
Made By H.F. 7/15/54
Checked By FSF 9-21-54
Traced By
Revised 8-10-7-54
Last Asbem. Mk.
Shop No. 2
Contract CJ3310
Sheet 11
6161
Forge Shop
0 1 2 3 4 5 Inches



TOP CHORD - U3-U5-1A, U3-U5-2A, U3-U5-3A, U3-U5-1B, U3-U5-2B, U3-U5-3B

TOP CHORDS - U3-U5, U3-U5

ITEM # 1

INST. A3	B3	C3	REQUIRED LIST No.	DESCRIPTION	MARK	REMARKS
		1	ONE	TOP CHORD	U3-U5-1A	
	1		ONE	do	U3-U5-2A	ALIKE
1			ONE	do	U3-U5-3A	
		1	ONE	do	U3-U5-1B	
	1		ONE	do	U3-U5-2B	ALIKE
1			ONE	do	U3-U5-3B	

FOR GENERAL NOTES SEE SHEET # 1

WORKMANSHIP SPECS.- MAINE HIGHWAY

RIVETS - $\frac{7}{8}$" ϕ Unless Noted
OPEN HOLES - $\frac{15}{16}$" ϕ Unless Noted
REAM - AS NOTED
MILLING - AS NOTED
PAINT - One coat Red Lead (Ready Mixed) as per specs. AASHO-M72 Type I or Type II
WELDING - NONE
SHOP CONTACT SURFACES - Not Painted

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
S. SMITH	
MCH.	
ERECT.	
O. INSP.	

RUMFORD POINT BRIDGE
RUMFORD, MAINE
CALLAHAN BROS. MECHANIC FALLS, MAINE

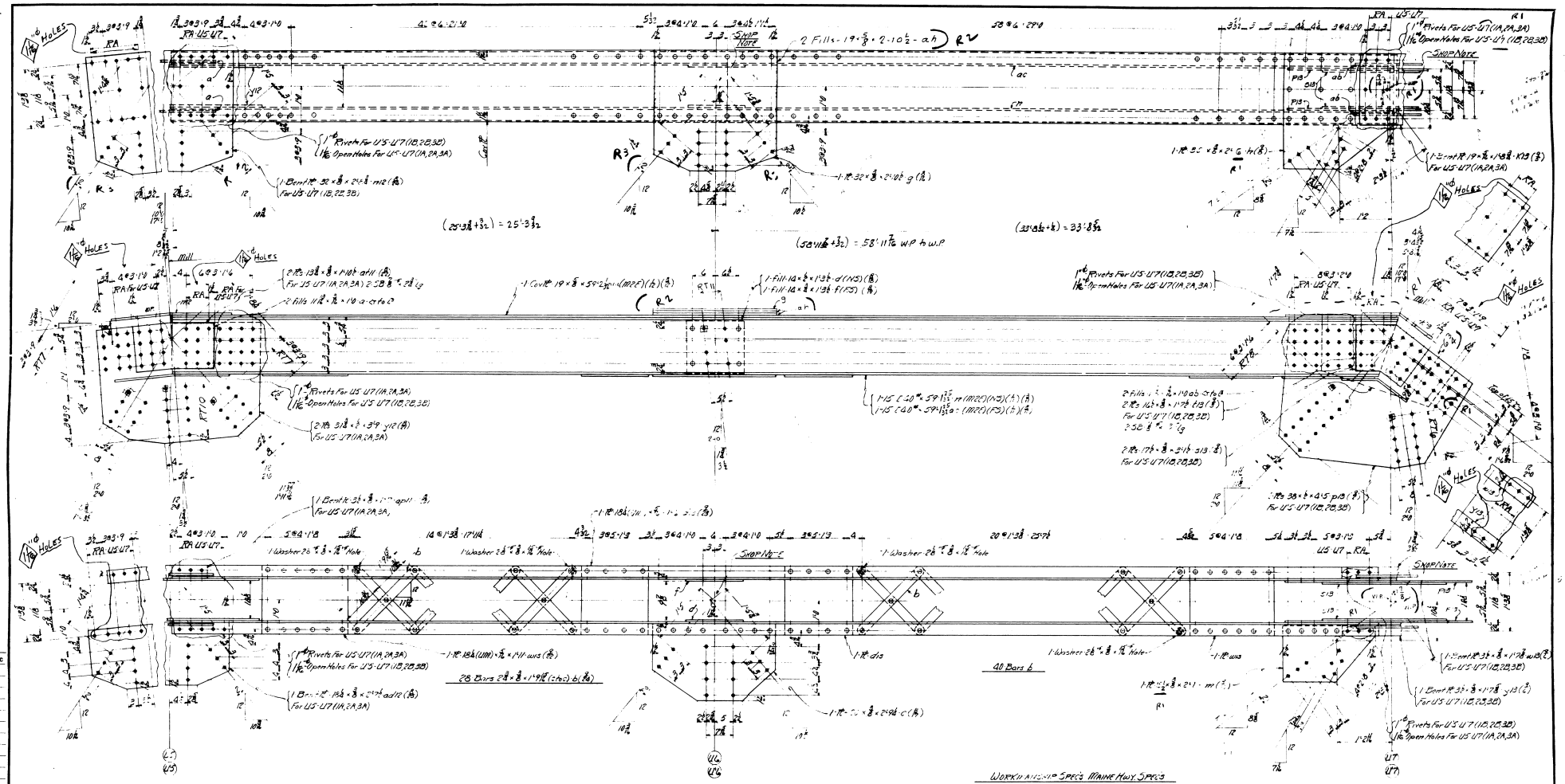
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS

IN CHARGE HWD MADE BY ENW (9-13-54)
CHECKED BY TRACED BY
REVISED LAST ASSEM. MK.

SHOP NO. 2 CONTRACT CJ 3310 SHEET 12

64-162 FORGE SHOP.

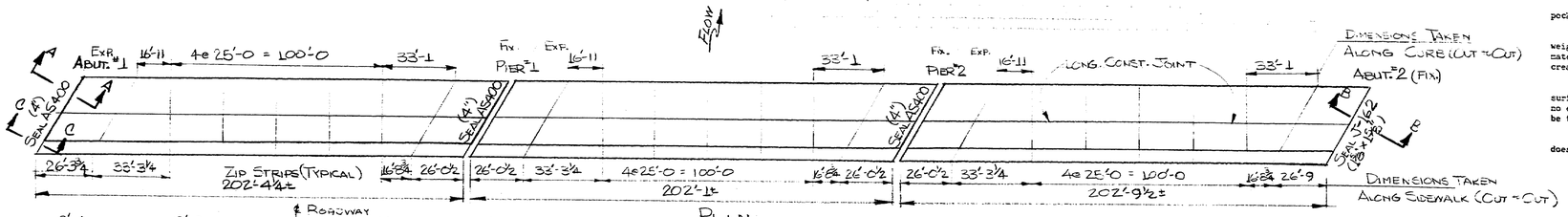
0 1 2 3 4 5 INCHES


SHOP NOTE
Holes
Rivets For U5-U7 (1A, 2A, 3A)
1 1/16" Open Holes For U5-U7 (1B, 2B, 3B)
Rivets For U5-U7 (1B, 2B, 3B)
1 1/16" Open Holes For U5-U7 (1A, 2A, 3A)
(25'-3 5/32 + 3/32) = 25'-3 3/32
(58'-11 7/16 + 3/32) = 58'-11 7/16 W.P. to W.P.
(33'-8 1/4 + 3/32) = 33'-8 3/32
40 Bars b
28 Bars 2 1/8" x 3/8" x 1'-9 7/16" (stag) b (1/8)
WORK IN ACCORDANCE SPECS. MAINE HWY. SPECS.
FOR GENERAL NOTES SEE SHEET #1
ROADWAY & SIDEWALK TRUSS - TOP CHD
POINTS - U5-U6-U7 (1A, 2A, 3A) & U5-U6-U7 (1B, 2B, 3B)
TOP CHORD - U5-U7-1A
TOP CHORD - U5-U7-2A
TOP CHORD - U5-U7-3A
ALIKE
TOP CHORD - U5-U7-1B
TOP CHORD - U5-U7-2B
TOP CHORD - U5-U7-3B
ALIKE
Item #1
INSTALLMENTS
A2 A4 B2 B4 C2 C4
REQUIRED LIST
No. DESCRIPTION MARK REMARKS
ONE Top Chord U5-U7-1A
ONE do U5-U7-2A
ONE do U5-U7-3A
ONE do U5-U7-1B
ONE do U5-U7-2B
ONE do U5-U7-3B
ALIKE
RIVETS 3/4" Unless Noted
OPEN HOLES 7/16" Unless Noted
REAM As Noted
MILLING As Noted
PAINT One Shop Coat (Red-Metal) As Specified
WELDING None
SHOP CONTACT SURFACES Not Painted
SHOP NO. 2
TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.
Rumford Point Bridge
Rumford Maine
Callahan Bros Mechanics Falls, Maine
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Bethlehem WORKS
IN CHARGE MWD
MADE BY JCS
CHECKED BY PST
TRACED BY
REVISED
LAST ASSEM. MK.
CONTRACT
SHEET 13
61-163
FORGE SHOP
0 1 2 3 4 5 INCHES

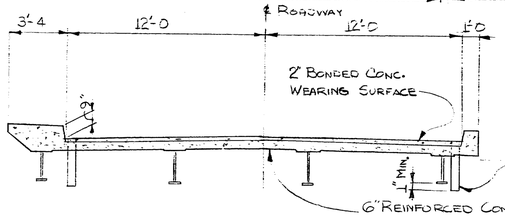
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
1	MAINE			

SCOPE OF WORK

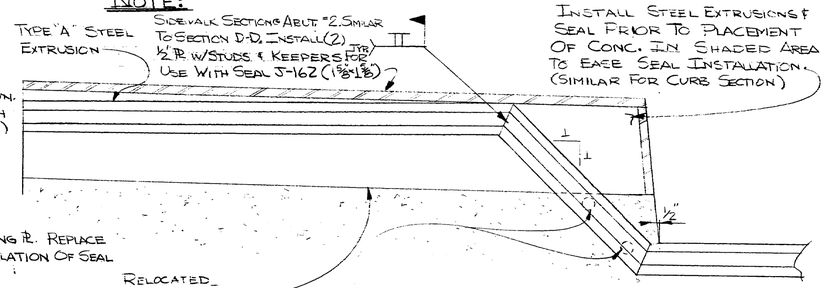
REMOVE EXISTING WEARING SURFACE. INSTALL NECESSARY JOINTS & SEALS. REPLACE NEW 2" BONDED CONCRETE WEARING SURFACE.



PLAN

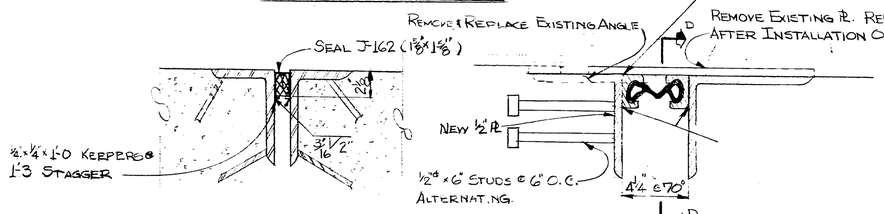


TRANSVERSE SECTION



SECTION D-D

@ ABUT. #1, PIERS #1 & #2

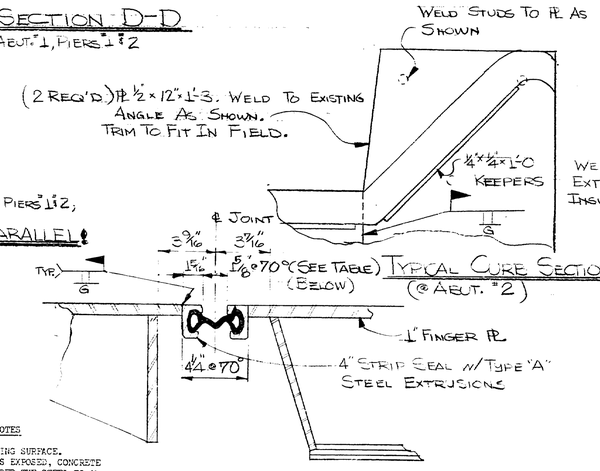


SECTION B-B

(ROADWAY) ABUT. #2

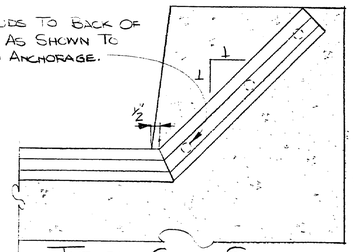
SECTION C-C

(SIDEWALK @ ABUT. 1, & PIERS #1 & #2)



TYPICAL CURB SECTION

(@ ABUT. #2)



TYPICAL CURB SECTION

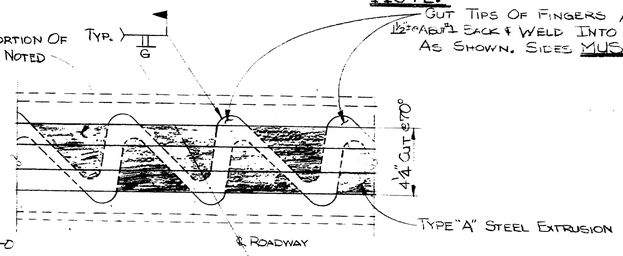
@ ABUT. #1 & PIERS #1 & #2

NOTE:

SIDEWALK SECTIONS ABUT. #2. SIMILAR TO SECTION D-D. INSTALL (2) ½" PL W/STUDS & KEEPERS FOR USE WITH SEAL J-162 (1⅝"x1⅝")

NOTE:

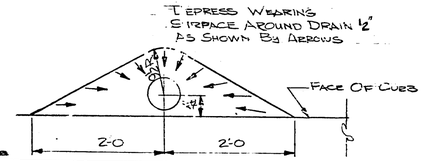
CUT TIPS OF FINGERS APPROX. 1¼" @ PIERS #1 & #2; 1½" @ ABUT. #1 BACK & WELD INTO SPACE AS SHOWN. SIDES MUST BE CUT PARALLEL.



EXPANSION DETAIL @ ABUT. #1, PIERS #1 & #2

BILL OF MATERIALS

3 REQ'D ~ AS400 4" STRIP SEAL × 36'-0
6 REQ'D @ 19'-0, & 6 REQ'D @ 16'-0
TYPE "A" STEEL EXTRUSIONS TO FIT ACME STRIP SEAL AS400.
6 REQ'D ~ PREFORMED JOINT SEAL J-162 × 36'-0
30 REQ'D ~ BAR ¼" × ½" × 1'-0
80 REQ'D ~ ½"ø × 6" MACH. BOLTS (STUDS)
5 REQ'D ~ PL ½" × 6" × 1'-0
2 REQ'D ~ PL ½" × 12" × 1'-3



TYPICAL DRAIN SLOPE DETAIL

SECTION A-A

SIMILAR @ ABUT. #1 & PIERS #1 & #2

TEMPERATURE ADJUSTMENT TABLE						
TEMP. (F.)	40°	50°	60°	70°	80°	90°
OPENING	2"	⅞"	1¾"	5/8"	1/16"	15/16"

GENERAL NOTES

1. REMOVE EXISTING WEARING SURFACE.
2. IF MAIN SLAB STEEL IS EXPOSED, CONCRETE SHOULD BE REMOVED UNDER THE STEEL TO A DEPTH OF 1" MINIMUM.
3. BLAST CLEAN THE SLAB BEFORE ANY PLACEMENT OF BONDING GROUT OR CONCRETE. NOTE: SLAB IS TO BE SURFACE DRY BEFORE PLACEMENT OF BONDING GROUT.
4. BROOM ON A LAYER OF BONDING GROUT JUST PRIOR TO PLACING CONCRETE. SEE ATTACHED SHEET FOR BONDING GROUT SPECIFICATIONS.
5. CONCRETE TO BE CURED USING BURLAP AND WATER OR OTHER APPROVED METHODS.
6. CONCRETE TO BE CLASS "F" AND AGGREGATE TO BE CRUSHED LEDGE.

BONDING GROUT

The deck surface must be thoroughly sandblasted and cleaned to remove all dust or loose materials immediately before the bonding grout is placed.

Deck surface to be surface dry with no standing water in pockets or low areas when bonding grout is applied.

The bonding grout shall consist of equal parts by weight of Portland Cement and concrete sand with the plus No. 8 material removed and mixed with enough water to give a thick creamy consistency.

Bonding grout to be evenly brooned onto the concrete surface ensuring that the entire surface is coated and that no excess grout collects in low spots or pockets. Grout shall be thoroughly brooned under and around reinforcing bars.

Rate of application must be controlled so that the grout does not dry before the new concrete is placed.

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN - DETAILED	KZB	12-1-81
	CHECKED		
	REVISIONS		
	FIELD CHANGES		

BRUNING 44-132 45710

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

RUMFORD POINT BR.
OVER
ANDROSCOGGIN R.
IN THE TOWN OF
RUMFORD
IN
OXFORD COUNTY
CONC. W.S. & SEALS

SHEET 1 OF 1 AUGUSTA, MAINE 12-14-81

178 - 113