

FISCAL YEAR	JOB NO.	SHEET No.	TOTAL SHEETS
1928	859	1	21

STATE OF ARKANSAS
STATE HIGHWAY DEPARTMENT

PLAN OF PROPOSED BRIDGES
ON
ATKINS-HECTOR ROAD
POPE COUNTY

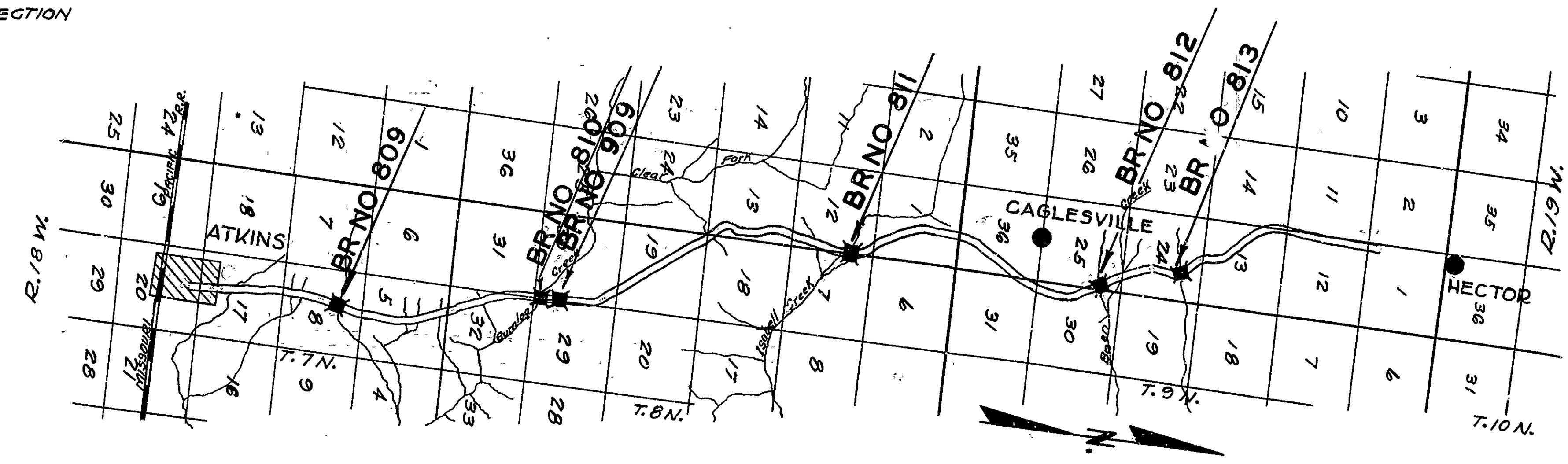
ROUTE 105 SEC. 1
JOB No 859
FEDERAL AID PROJECT No.

INDEX OF SHEETS

SHEET No. 1	Draw. No.	Title
" 2	" 809	LAYOUT BR. 809 & 813
" 3	" 810	DETAILS SUPERS. BR. 809 & 813
" 4	" 811	DETAILS ABUT. BR. 809 & 813
" 5	" 812	LAYOUT BR. 810
" 6	" 16	STANDARD 19' T.T. TYPICAL PILE BENT
" 7	" 813	LAYOUT BR. 811
" 8	" 814	ARCH DETAILS BR. 811
" 9	" 815	APPROACH DETAILS BR. 811
" 10	" 816	APPRO. & ABUT. DETAILS BR. 811
" 11	" 817	LAYOUT BR. 812 & 909
" 12	" 818	DETAILS BR. 812
" 13	" 819	DETAILS BR. 909
" 14	" 9	STANDARD 15' TYPICAL T.T.
" 15	" 166	STANDARD 31' I-BEAM SPAN
" 16 to 20		PROFILE SHEETS
" 21		TYPICAL 22' CROSS-SECTION

QUANTITIES

ITEM	Description	Quantity	Unit
12	SOLID ROCK EXCAVATION	1276	Cu. Yds.
"	LOOSE ROCK EXCAVATION	210	" "
"	EARTH EXCAVATION	2855	" "
"	DRY EXCAVATION FOR STRUCTURES	62	" "
"	WET " " "	354	" "
"	SOLID ROCK EXCAVATION FOR STRUCTURES	192	" "
"	BORROW	10780	" "
"	UNTREATED BRIDGE TIMBER	2,050	M. F.B.M.
"	TREATED " " "	70,912	" "
"	CLASS "A" CONCRETE	375.87	Cu. Yds.
"	CLASS "B" " "	27.16	" "
"	CLASS "S" " "	248.33	" "
"	REINFORCING STEEL	93,620	Lbs.
"	STRUCTURAL STEEL IN BEAM BRIDGES	11,900	Lbs.
"	TREATED TIMBER PILING	2275	Lin. Ft.
"	CONCRETE RAILING FOR STRUCTURES	516.26	" "



LAYOUT
Scale: 1"=1 MILE

GROSS LENGTH OF PROJECT 3295'-0" = .67958 Mi.
NET LENGTH OF PROJECT 3295'-0" = .67958 Mi.

APPROVED
COMMISSIONER - STATE LAWS, HIGHWAYS AND IMPROVEMENTS

APPROVED
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL
DISTRICT ENGINEER - U. S. BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL
CHIEF ENGINEER - U. S. BUREAU OF PUBLIC ROADS

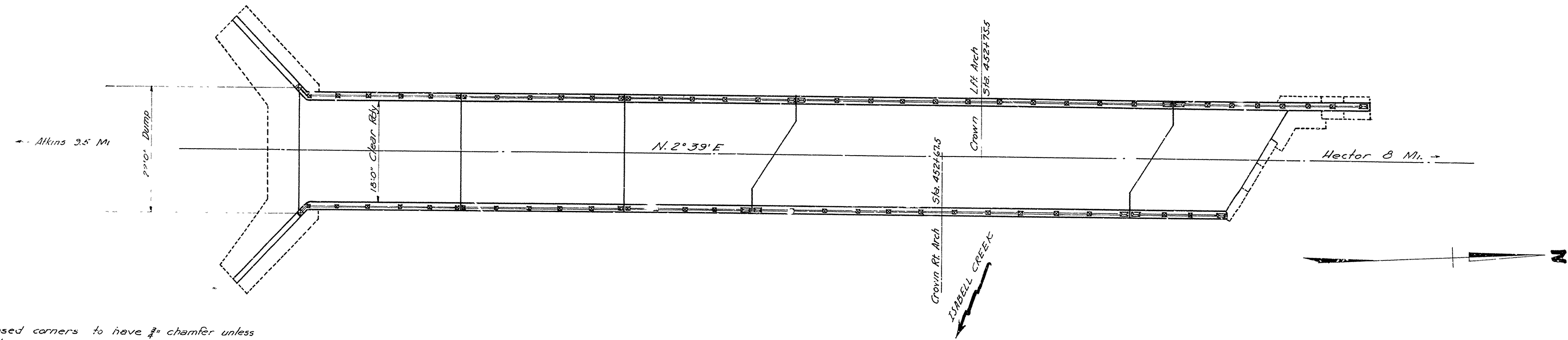
APPROVED
DIRECTOR - U. S. BUREAU OF PUBLIC ROADS

M.A. Gann
BRIDGE ENGINEER

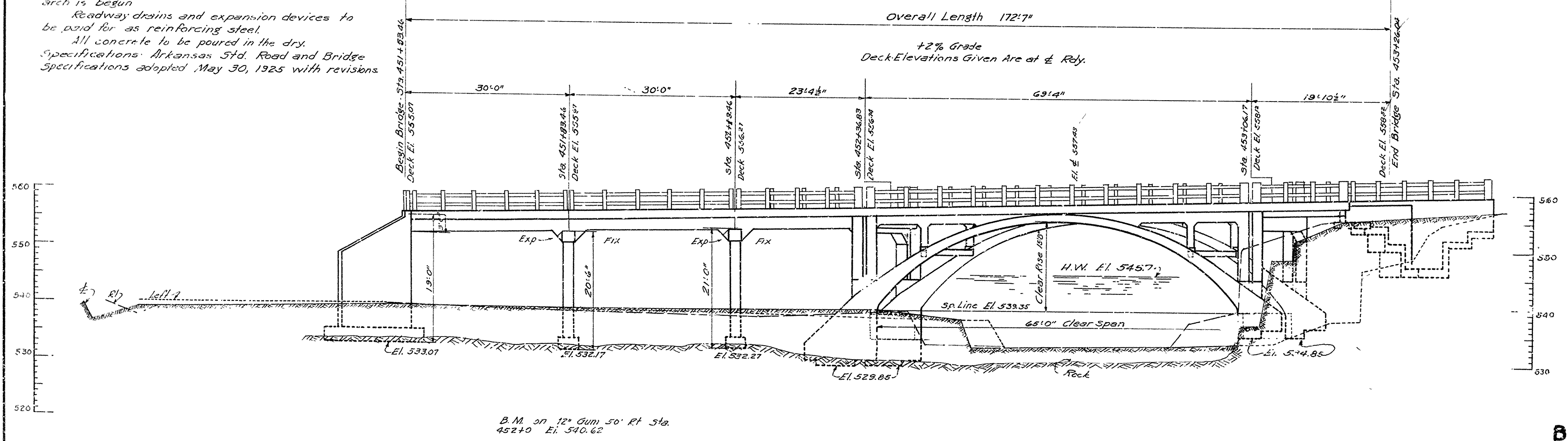
BRIDGE No. 809-810-909 DRAWING No. 808
811-12-13

FISCAL YEAR	SHEET NO.	TOTAL SHEETS

BRIDGE OVER ISABELL CREEK



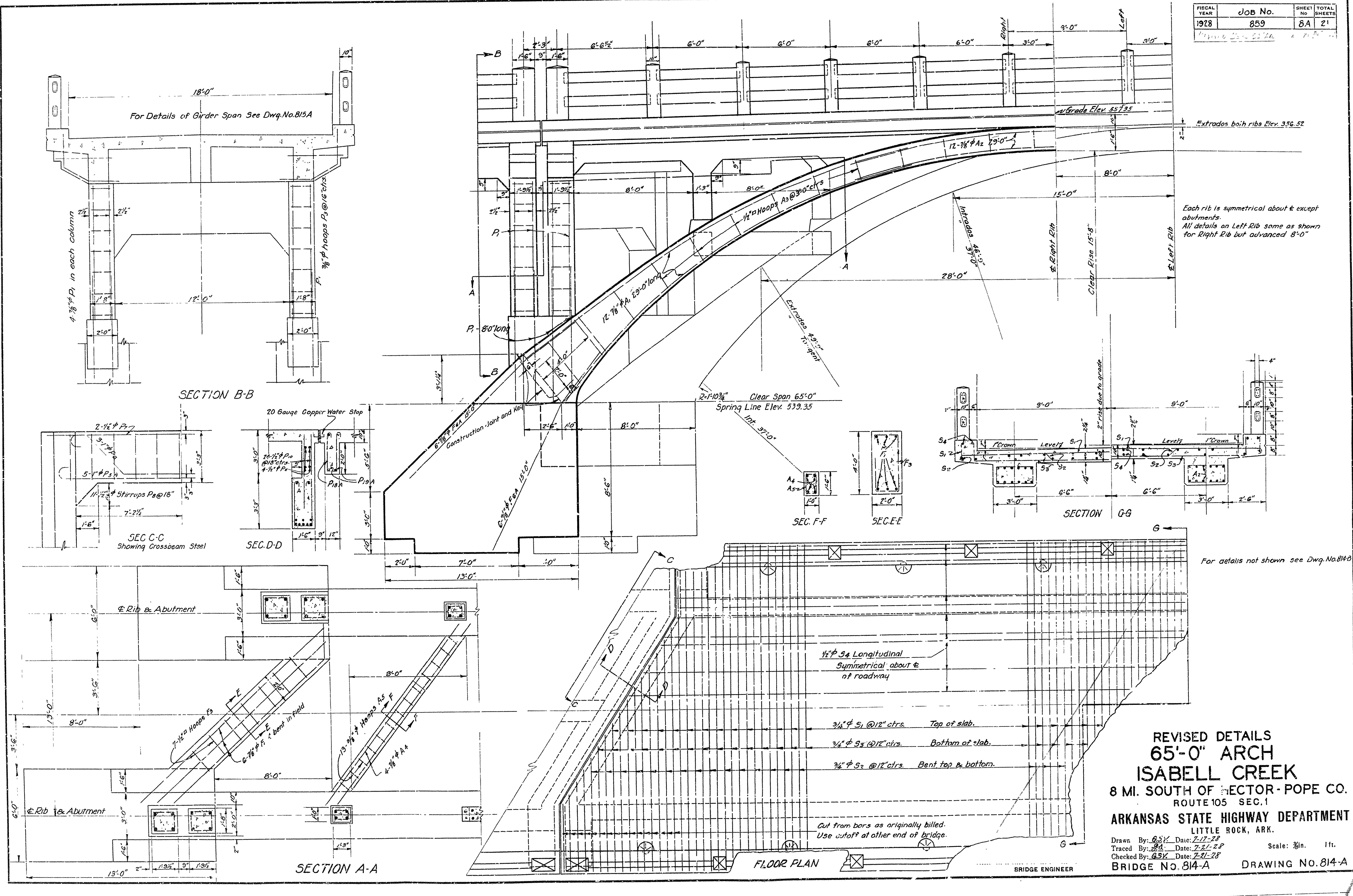
All exposed corners to have $\frac{3}{8}$ " chamfer unless noted otherwise.
 Precast concrete handrails to be 1:3 Mix. Maximum aggregate to be $\frac{3}{4}$ ". All other concrete above bottom of longitudinal girders to be class S. All concrete below this, except that in south arch abutment below construction joint (which shall be class B concrete) to be class A.
 Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams to be submitted by contractor before fabrication is begun.
 Plan showing falsework details for arch and proposed order of concreting the arch, must be submitted for approval before construction of the arch is begun.
 Roadway drains and expansion devices to be paid for as reinforcing steel.
 All concrete to be poured in the dry.
 Specifications: Arkansas Std. Road and Bridge Specifications adopted May 30, 1925 with revisions.



REVISED LAYOUT
BRIDGE OVER ISABELL CREEK
 POPE COUNTY
 ROUTE 105 SEC. 1
 ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.
 Drawn By: Beck Date: 2-21-26
 Traced By: Beck Date: 2-21-26
 Checked By: _____ Date: _____
 Scale: 1 in. = 10 ft.
BRIDGE NO. 811 **DRAWING NO. 813-A**

BRIDGE ENGINEER

FISCAL YEAR	JOB No.	SHEET No.	TOTAL SHEETS
1928	859	8A	21



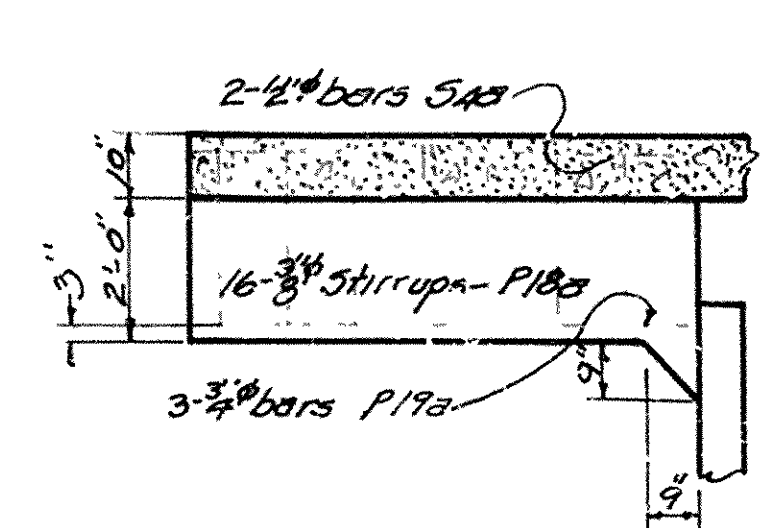
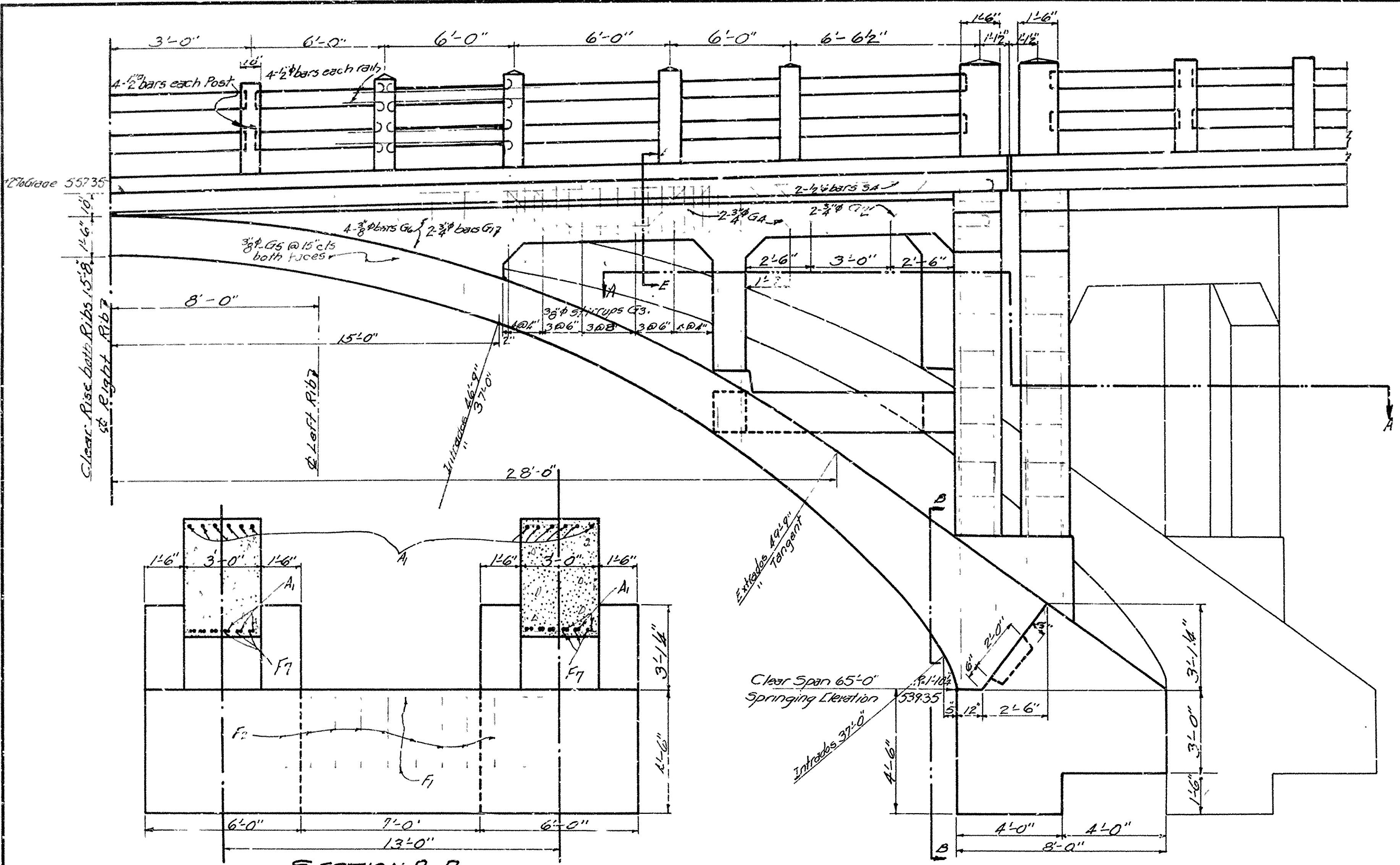
REVISED DETAILS
65'-0" ARCH
ISABELL CREEK
 8 MI. SOUTH OF DIRECTOR - POPE CO.
 ROUTE 105 SEC. 1
ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.

Drawn By: GSK Date: 7-17-28
 Traced By: GSK Date: 7-27-28
 Checked By: GSK Date: 7-27-28

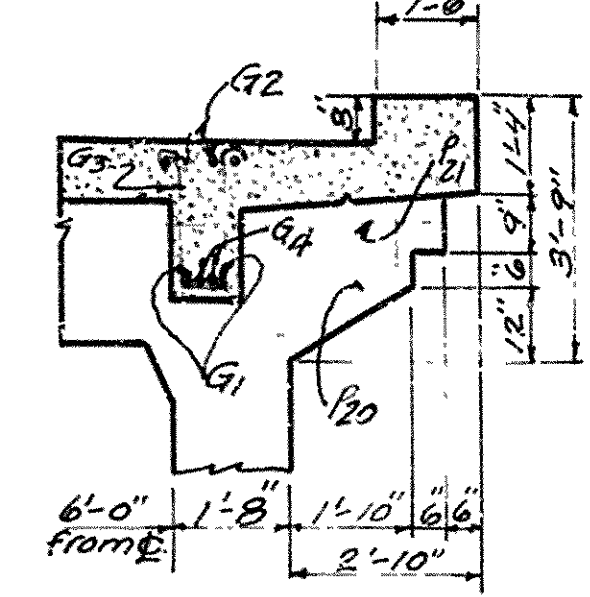
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BRIDGE NO. 814-A **DRAWING NO. 814-A**

BRIDGE ENGINEER

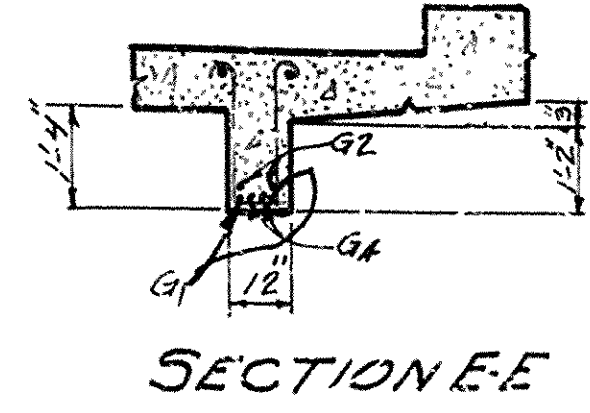
FISCAL YEAR	Job No.	SHEET NO.	TOTAL SHEETS
1928	859	38	21



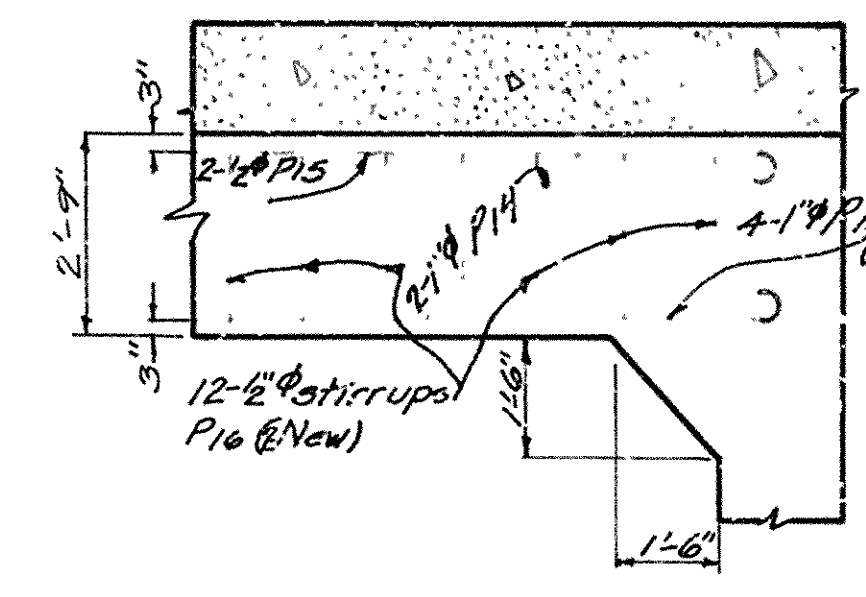
SECTION C-C



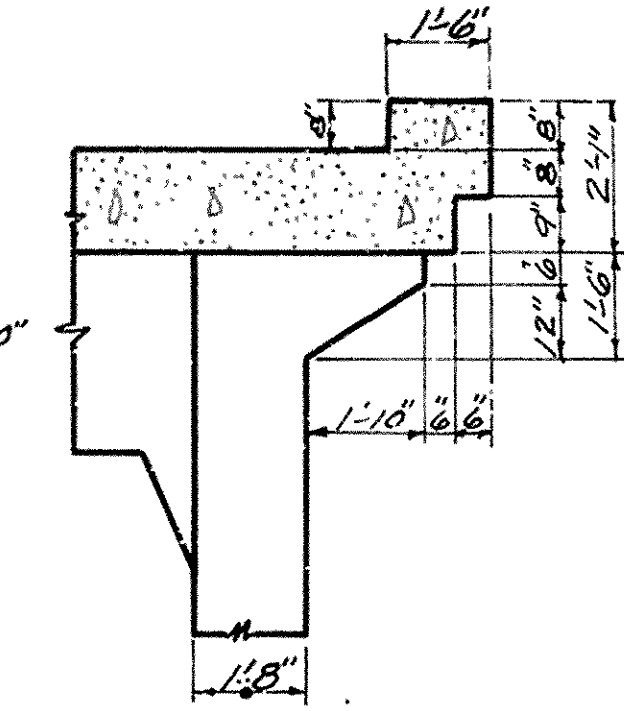
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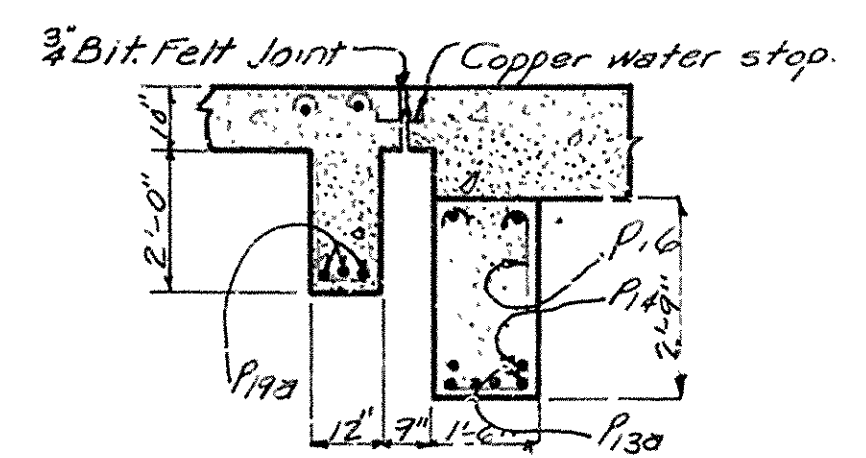
SECTION E-E



SECTION F-F

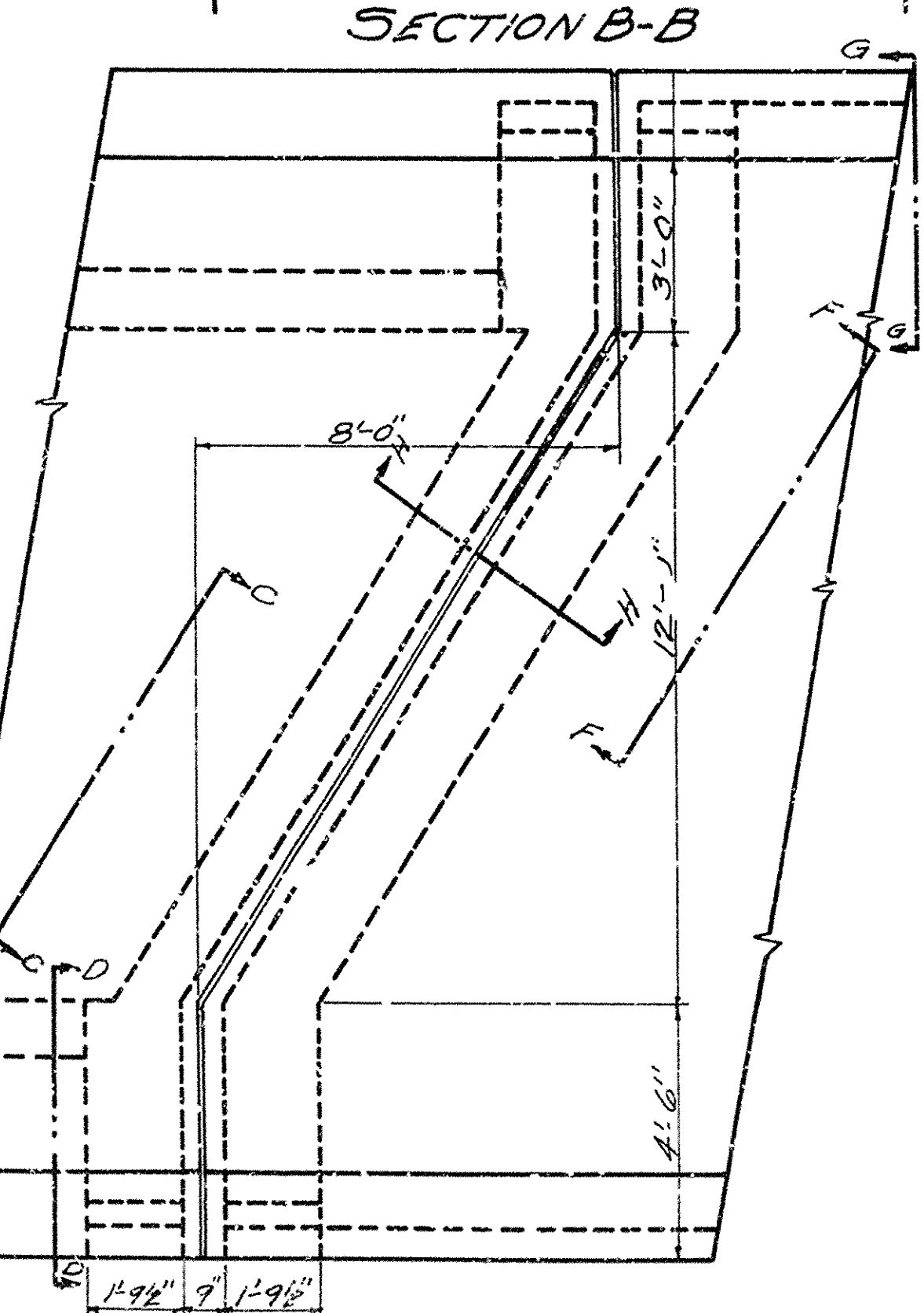


SECTION G-G

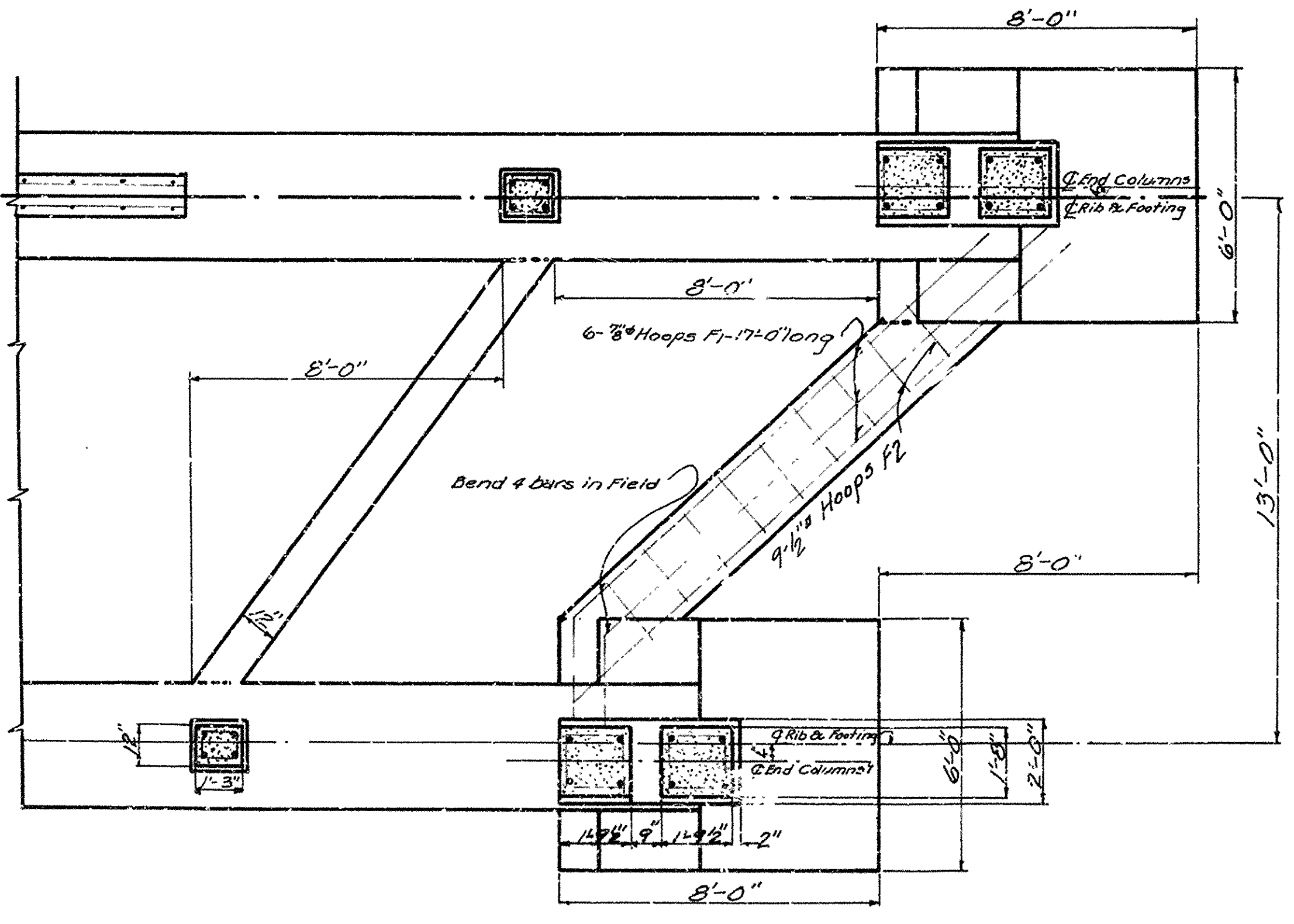


SECTION H-H

Note: for details not shown see drawing #B14A



SECTION B-B



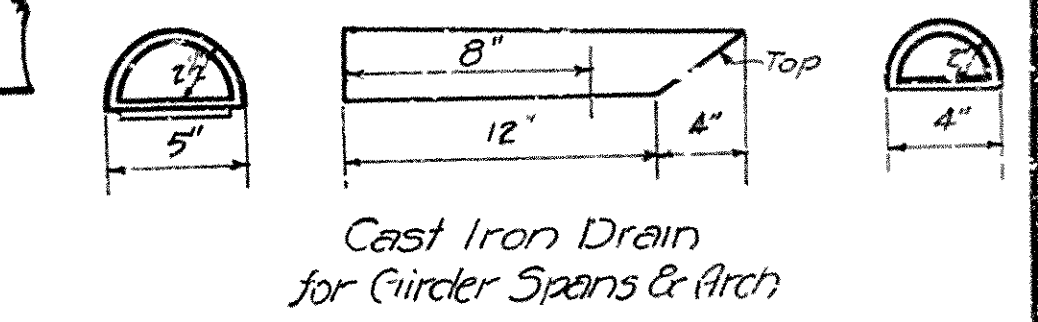
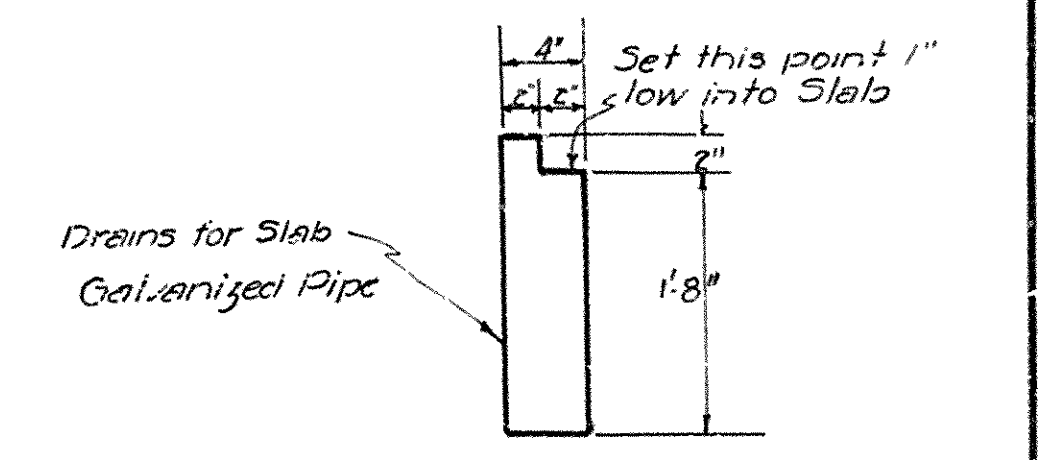
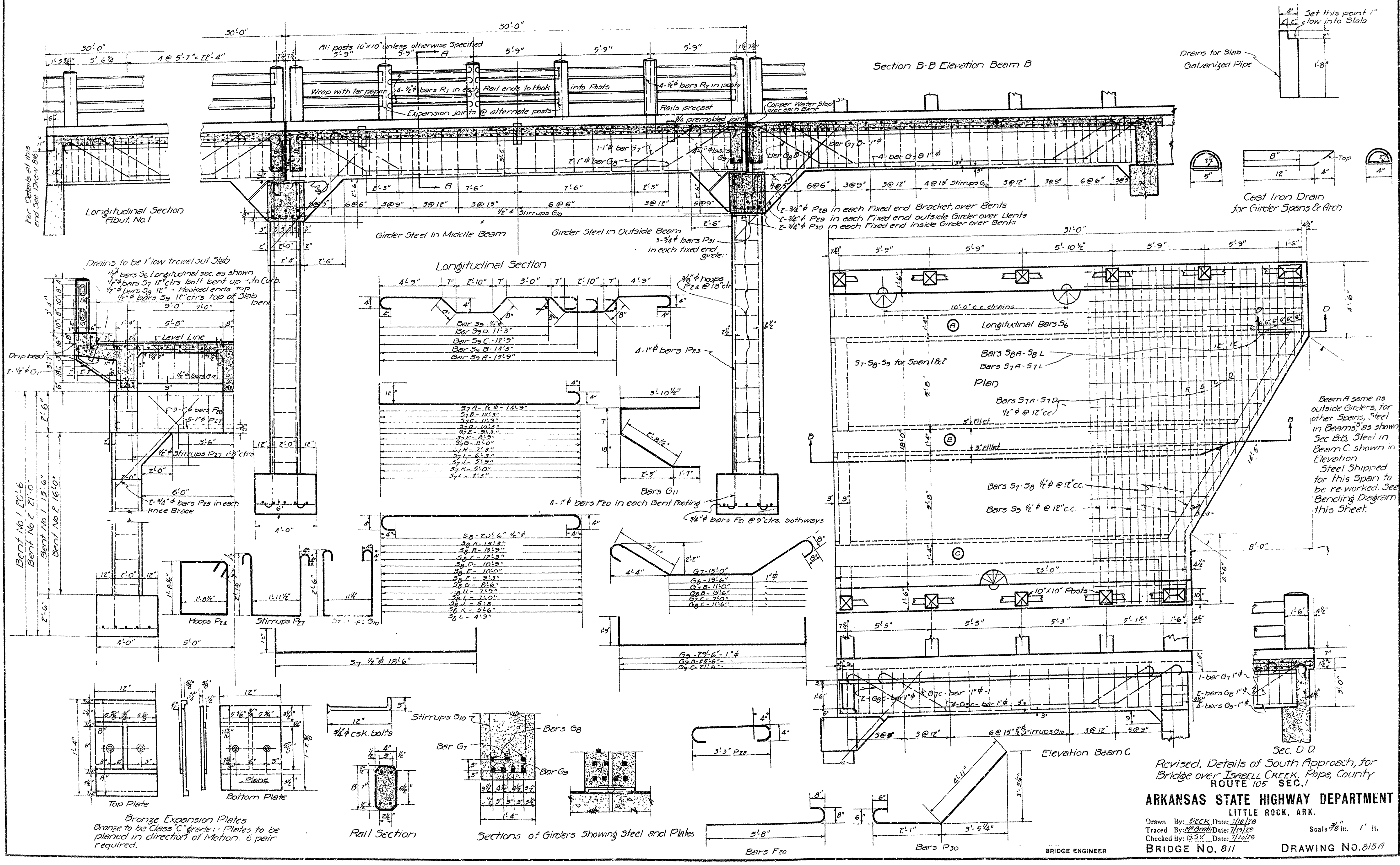
SECTION A-A

FLOOR PLAN OVER PIER

REVISED DETAILS
 65'-0" ARCH
 ISABELL CREEK
 8 MILES SOUTH OF HECTOR POPE COUNTY
 ROUTE 105 SEC. 1
 ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.
 Drawn By: *W. J. Cant* Date: 2-24-28
 Traced By: *W. J. Cant* Date: 2-21-28
 Checked By: _____ Date: _____
 BRIDGE ENGINEER
 BRIDGE NO. 811 DRAWING NO. B143

BRIDGE ENGINEER

FISCAL YEAR	Job No.	SHEET TOTAL SHEETS
1928	859	9 21



Beam A same as outside girders, for other spans. Steel in Beams as shown Sec B-B. Steel in Beam C shown in Elevation. Steel Shipped for this span to be re-worked. See Bending Diagram this sheet.

Revised, Details of South Approach, for Bridge over ISABELL CREEK, Pope, County ROUTE 105 SEC. 1

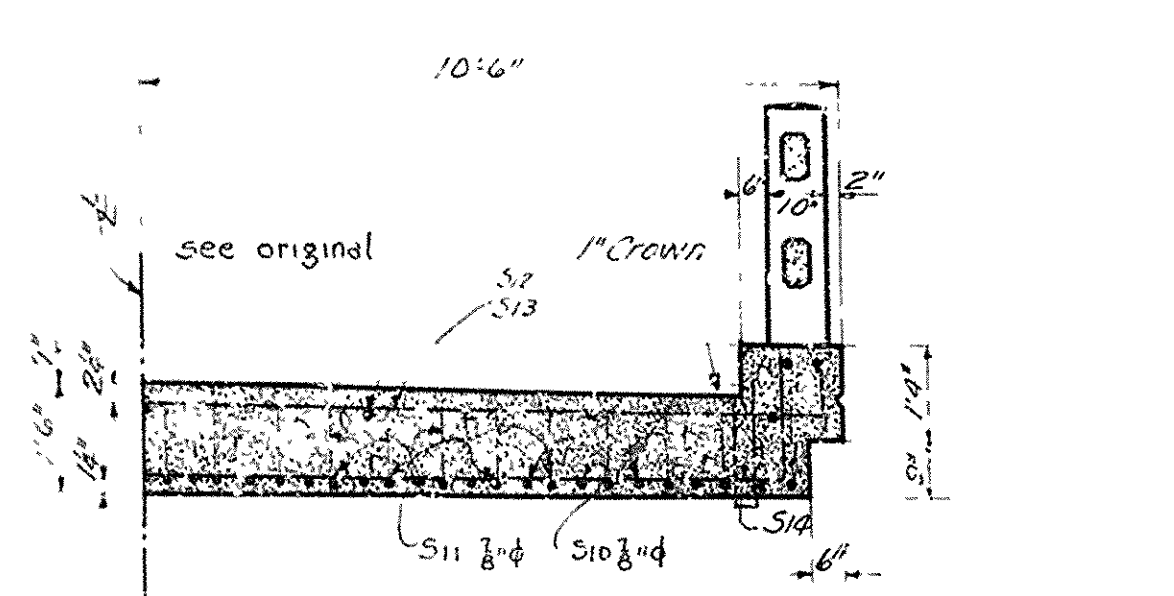
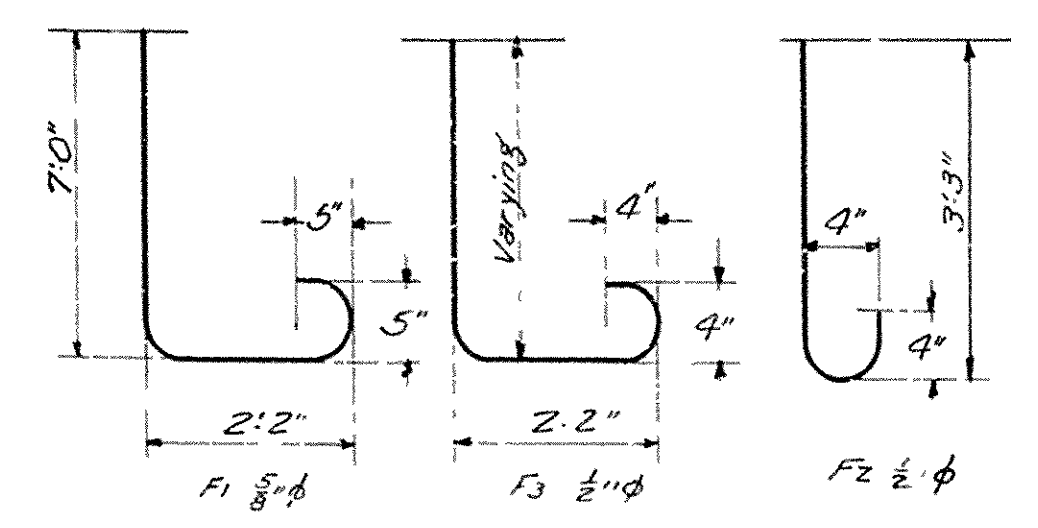
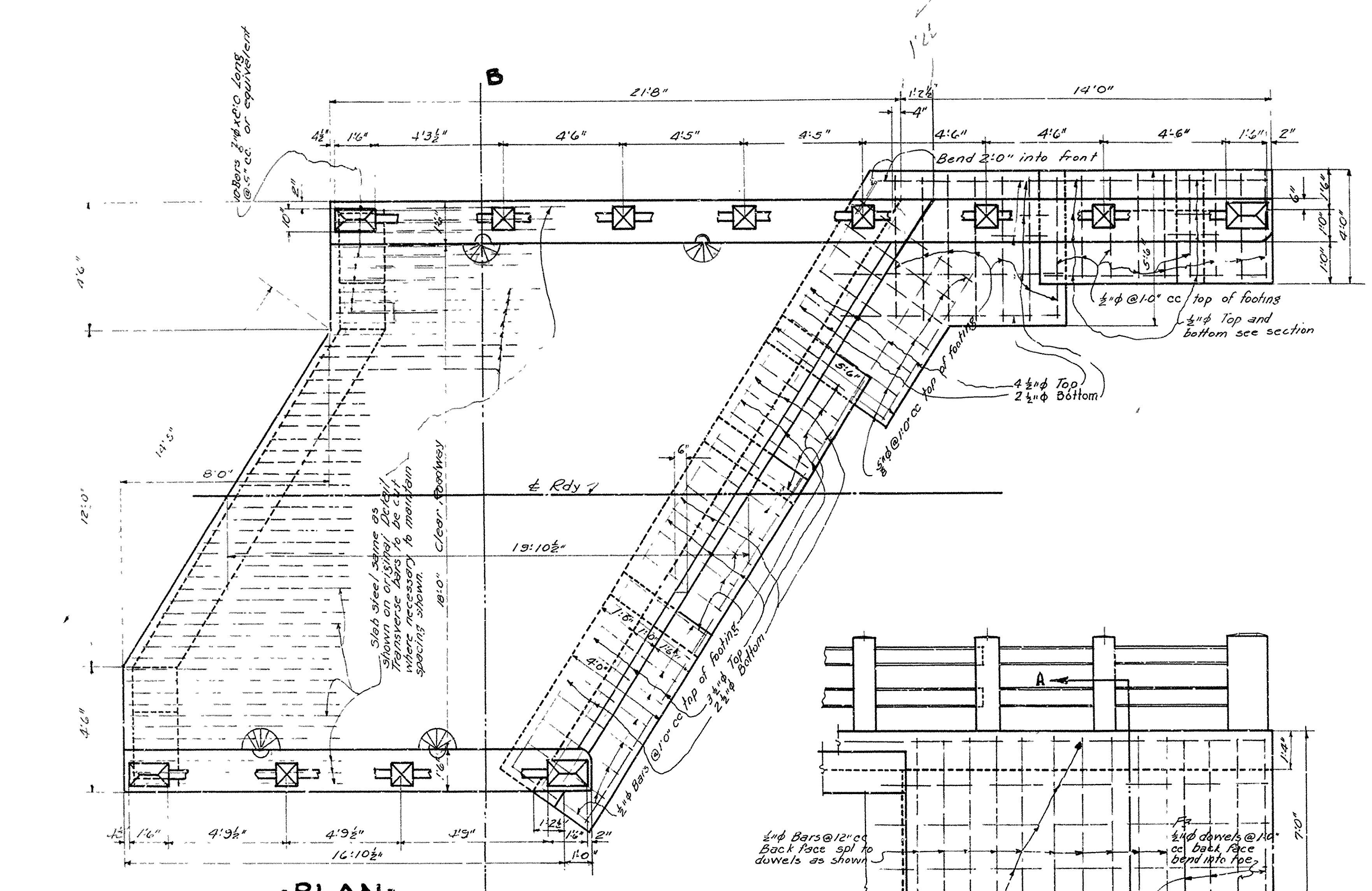
ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

Drawn By: BECK Date: 1/10/28
Traced By: [Signature] Date: 1/19/28
Checked By: [Signature] Date: 1/20/28

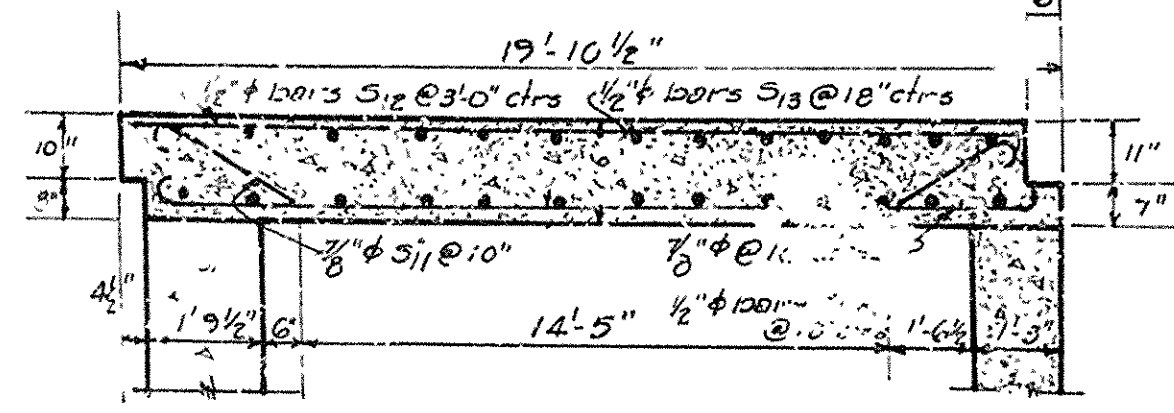
BRIDGE NO. 811 DRAWING NO. 815A

BRIDGE ENGINEER

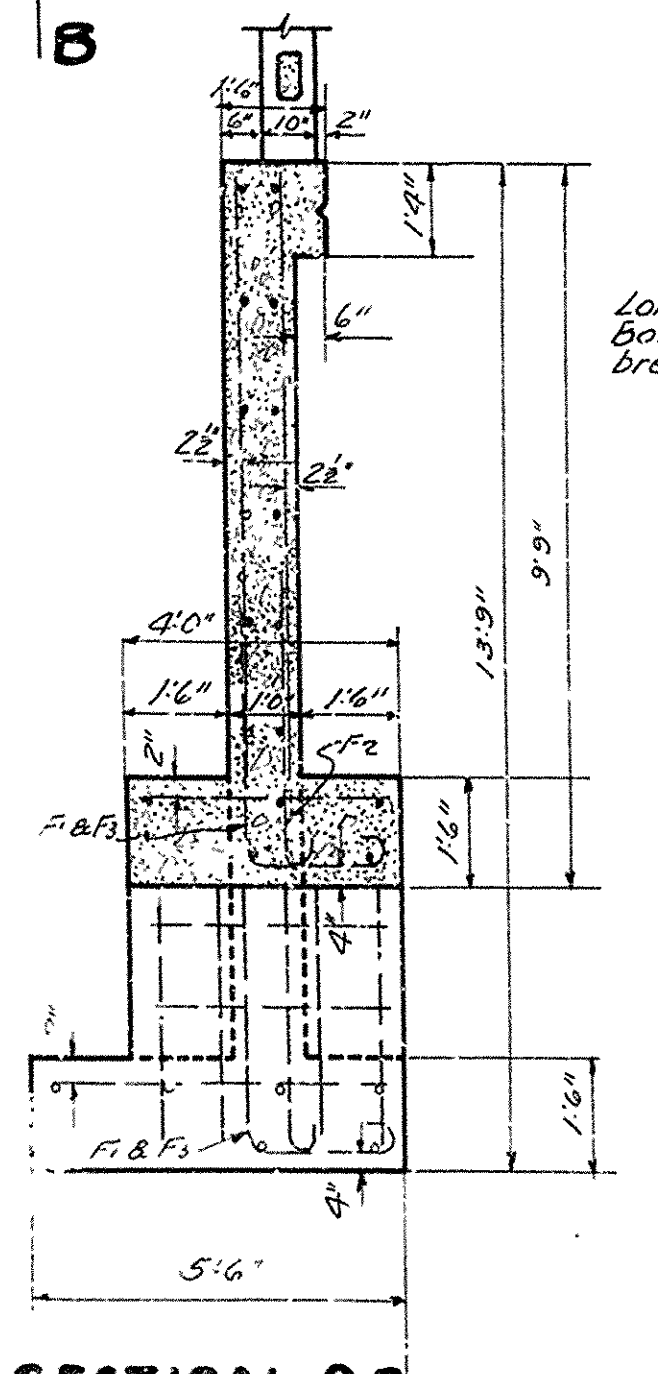
FISCAL YEAR	Job No	SHEET No	TOTAL SHEETS
1928	059	98	21



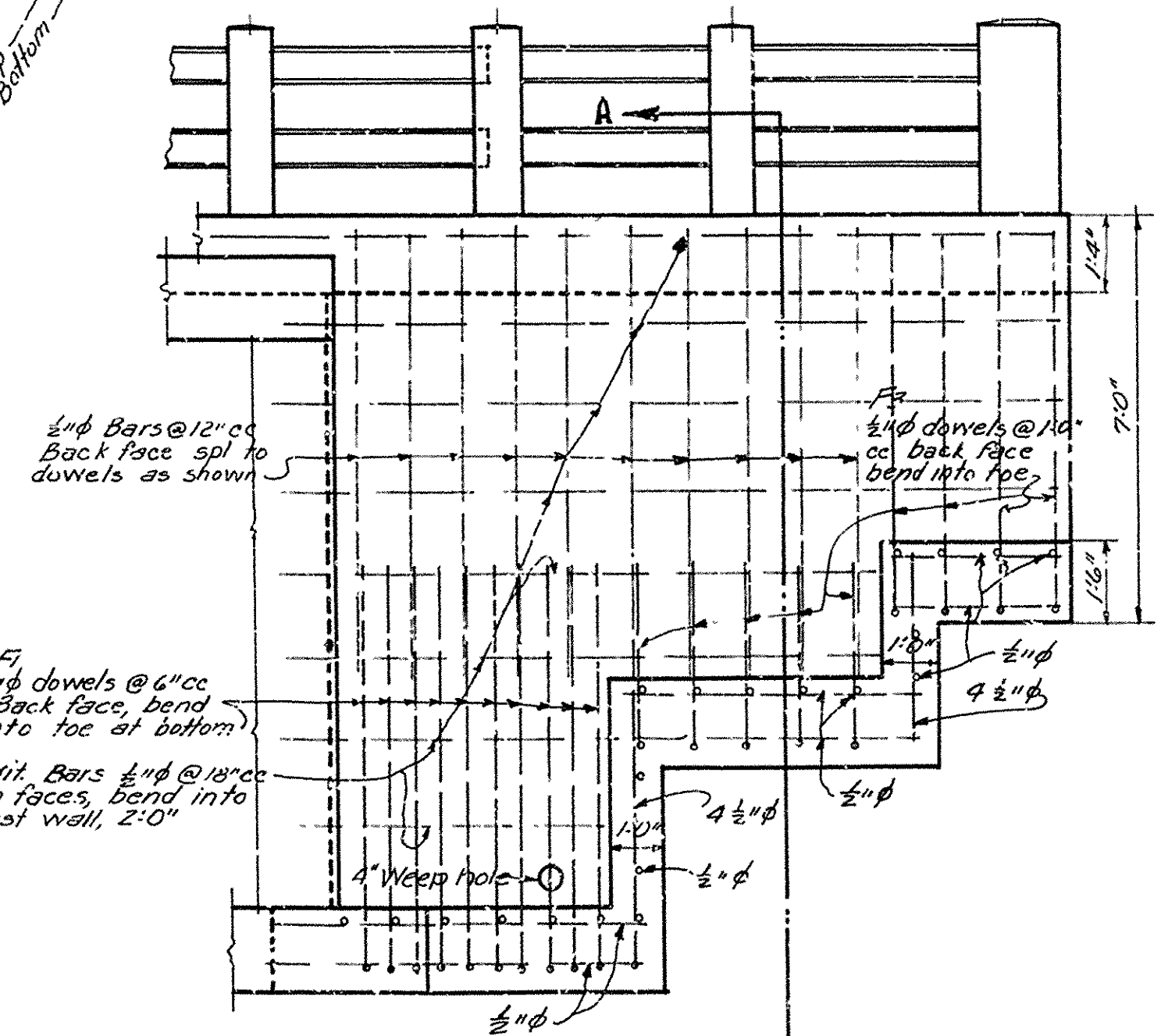
HALF SECTION B-B



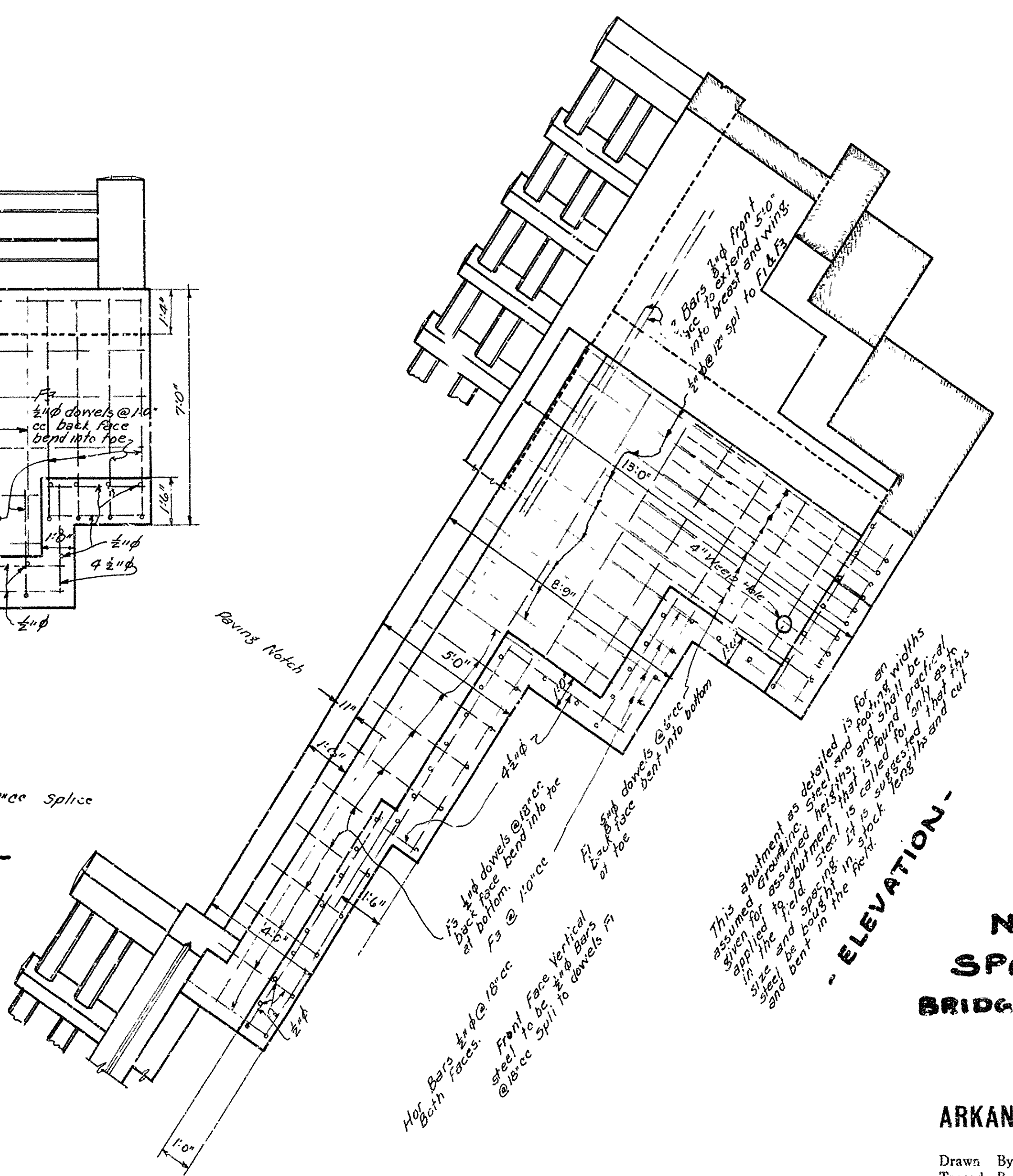
Longitudinal Section On Slab



SECTION A-A



- ELEVATION - WING -

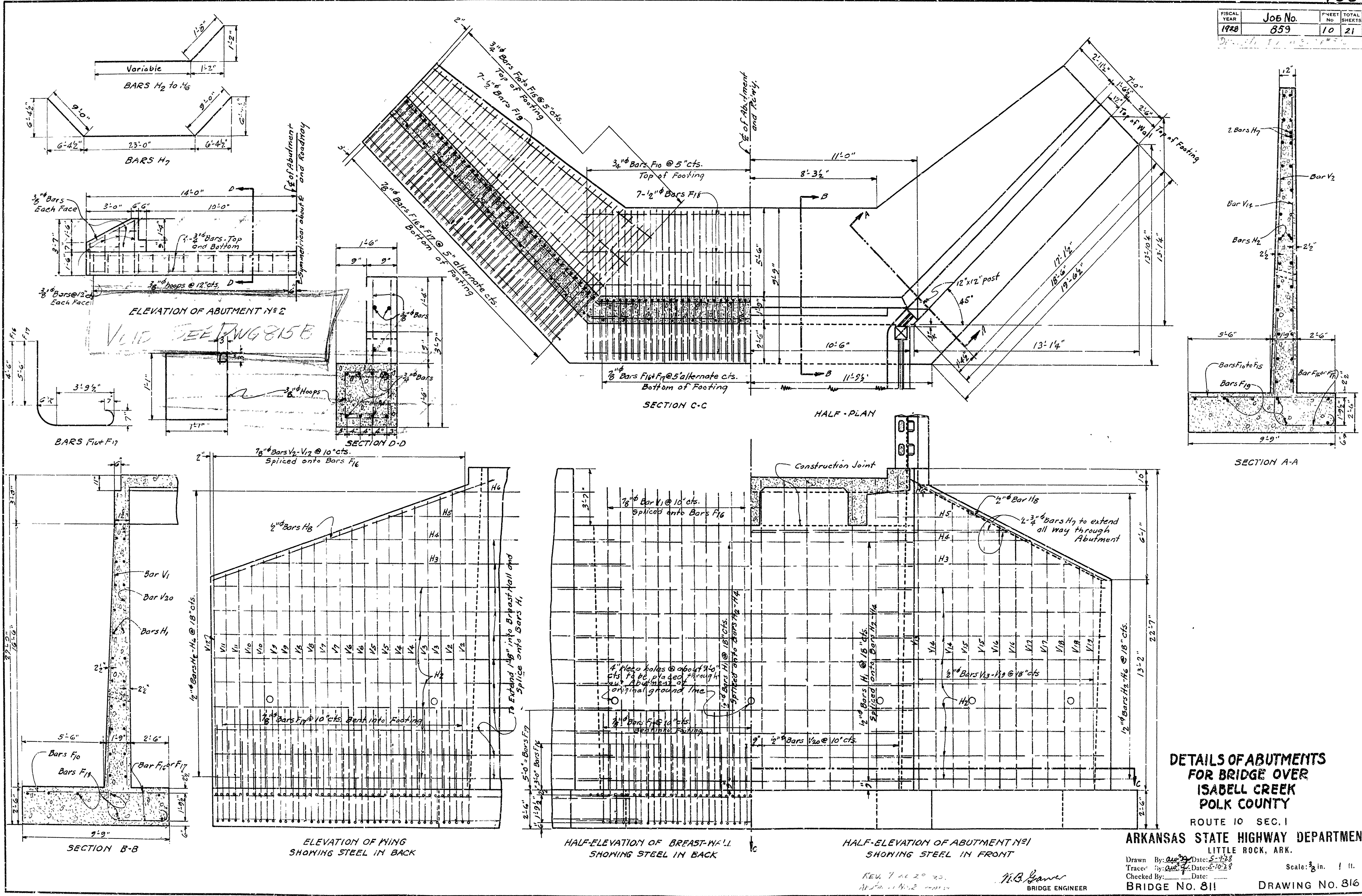


- ELEVATION -

• REVISED DETAILS •
**NORTH APPROACH
 SPAN AND ABUTMENT
 BRIDGE OVER ISABELL CREEK
 POPE COUNTY**
 ROUTE 105 SEC. 1
ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.

Drawn By: BECK Date: 7-19-28
 Traced By: BECK Date: 7-19-28
 Checked By: G.S.V. Date: 7/20/28
 Scale: $\frac{1}{8}$ in. = 1 ft.
 BRIDGE ENGINEER
 BRIDGE NO. 811 DRAWING NO. 815B

FISCAL YEAR	Job No.	FEET NO.	TOTAL SHEETS
1928	859	10	21



**DETAILS OF ABUTMENTS
FOR BRIDGE OVER
ISABELL CREEK
POLK COUNTY**

ROUTE 10 SEC. I

ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

Scale: $\frac{3}{8}$ in. = 1 ft.

BRIDGE NO. 811 DRAWING NO. 816

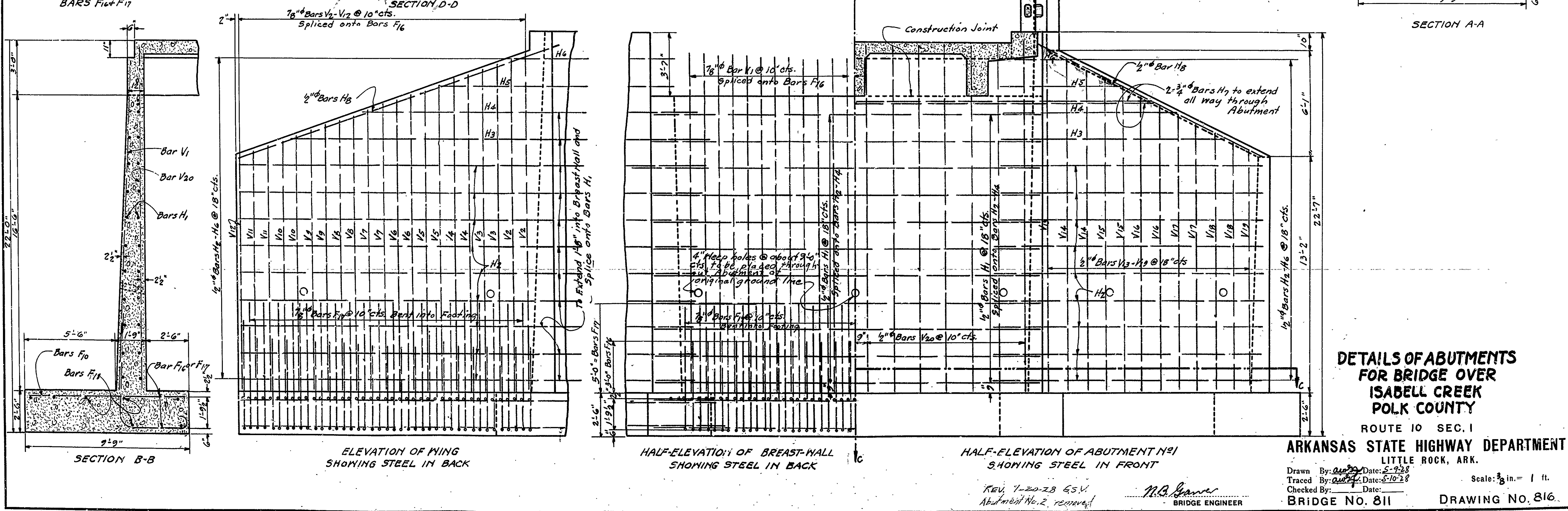
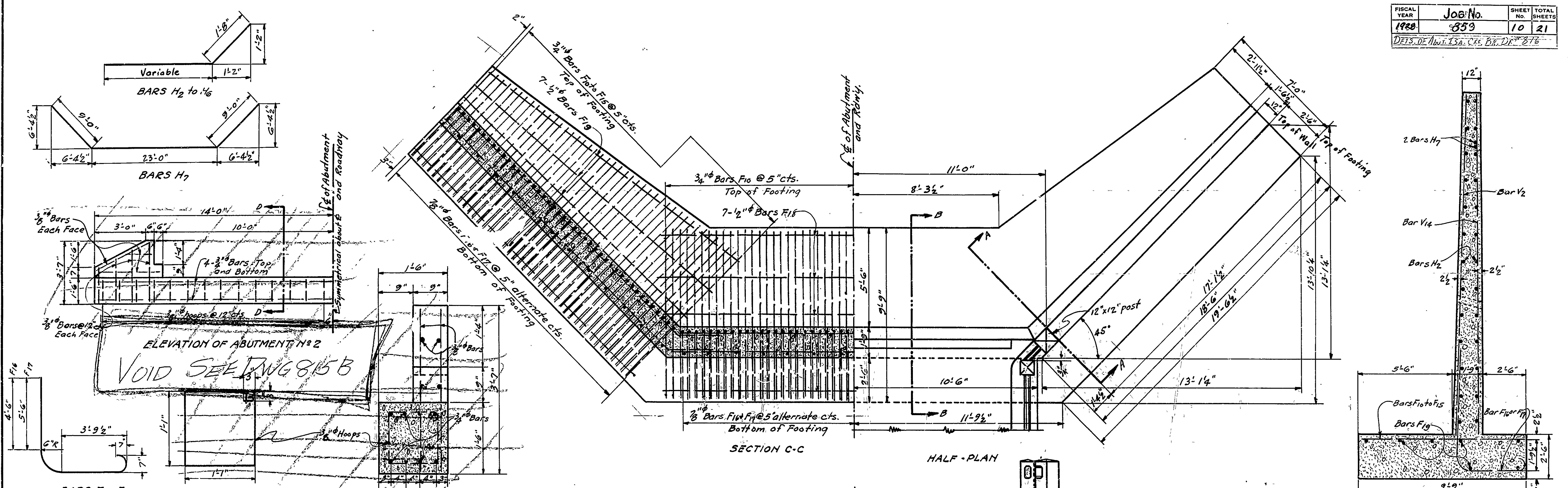
Drawn By: *W. J. ...* Date: 5-23-28
Traced By: *W. J. ...* Date: 5-20-28

Checked By: _____ Date: _____

N.B. Bauer
BRIDGE ENGINEER

REV. 7 26 20 23.
M.B.M. 11-12-23

FISCAL YEAR	JOB No.	SHEET No.	TOTAL SHEETS
1988	859	10	21
DETS. OF ABUT. IS. CR. BR. DR. 876			



DETAILS OF ABUTMENTS FOR BRIDGE OVER ISABELL CREEK POLK COUNTY
ROUTE 10 SEC. 1

ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.
Scale: 3/8 in. = 1 ft.
DRAWING NO. 816

REV. 7-20-78 G.S.V.
Abutment No. 2 removed
M.B. Garner
BRIDGE ENGINEER

Drawn By: *[Signature]* Date: 5-9-78
Traced By: *[Signature]* Date: 5-10-78
Checked By: _____ Date: _____