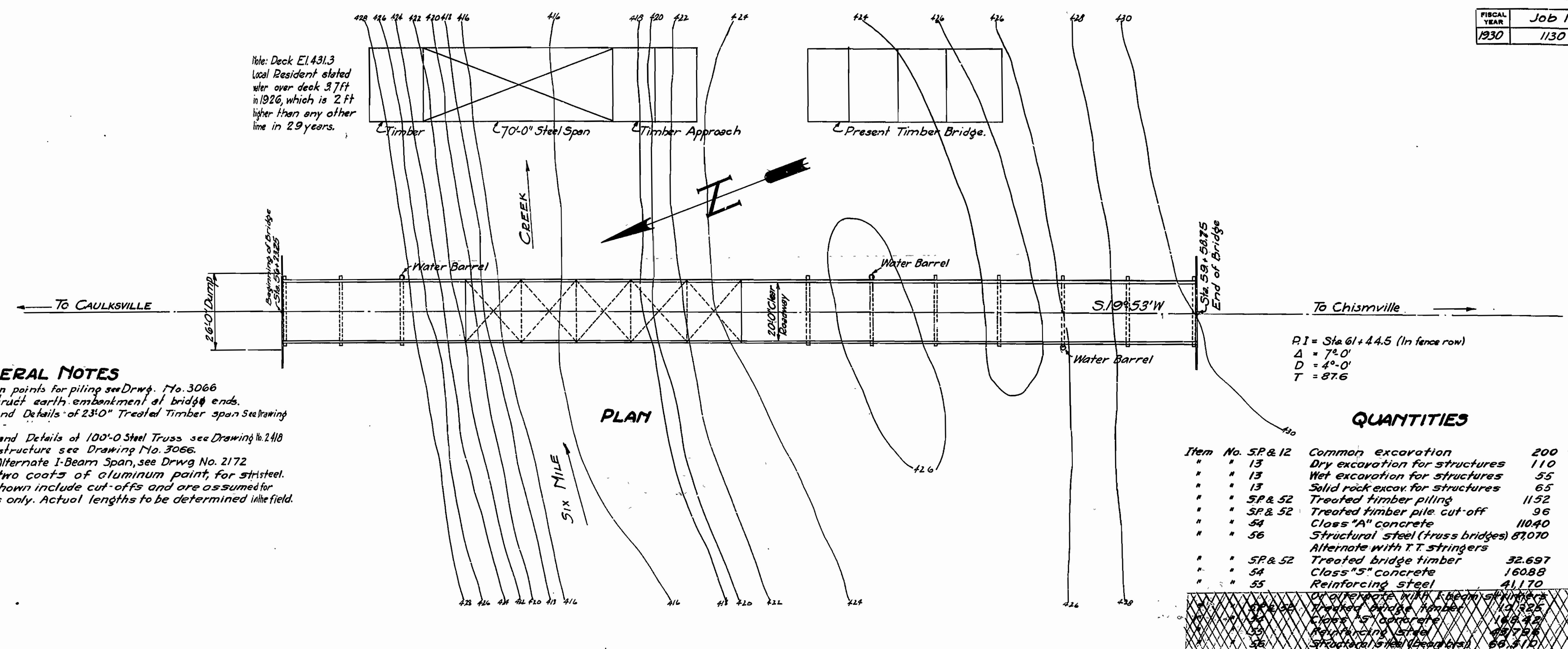


FISCAL YEAR	Job No.	SHEET NO.	TOTAL SHEETS
1930	1130	5	24

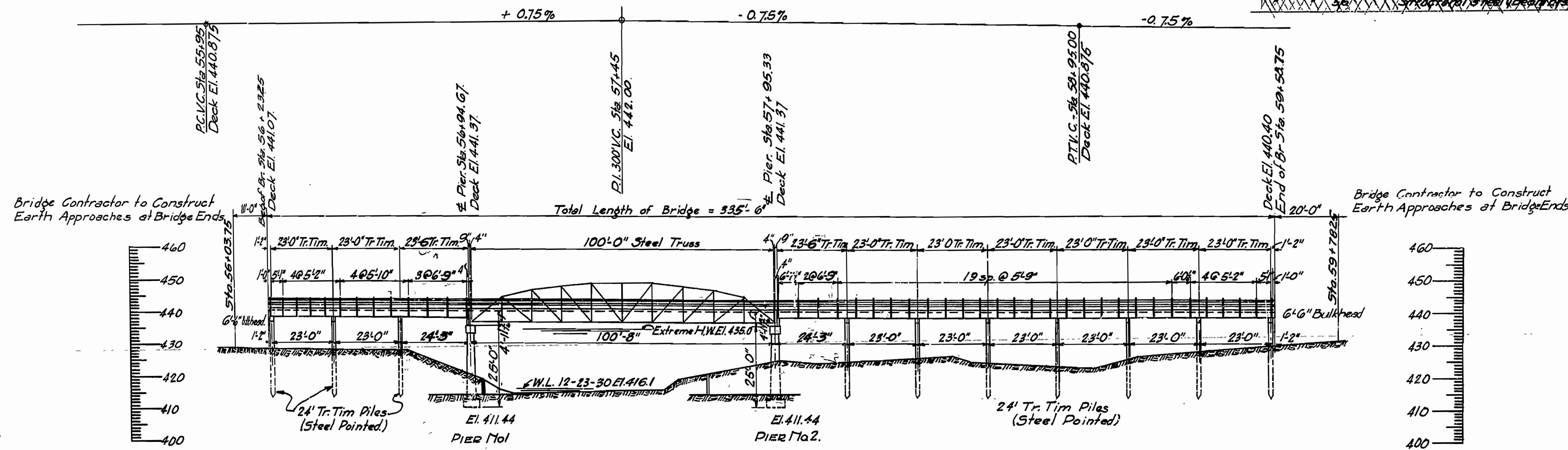
Note: Deck El. 431.3
Local Resident stated water over deck 3.7ft in 1926, which is 2 ft higher than any other time in 29 years.



GENERAL NOTES
For details of cast iron points for piling see Drwg. No. 3066
Contractor to construct earth embankment at bridge ends.
For General notes and Details of 23'-0" Treated Timber span see Drawing No. 2073.
For General Notes and Details of 100'-0" Steel Truss see Drawing No. 2118
For Details of Substructure see Drawing No. 3066.
For Details of 23'-0" Alternate I-Beam Span, see Drwg. No. 2172
Field point to be two coats of aluminum paint, for steel.
Lengths of piling shown include cut-offs and are assumed for estimating quantities only. Actual lengths to be determined in the field.

QUANTITIES

Item No.	SP & 12	Common excavation	200	Cu. Yds.
"	13	Dry excavation for structures	110	" "
"	13	Wet excavation for structures	55	" "
"	13	Solid rock excav for structures	65	" "
"	SP & 52	Treated timber piling	1152	Lin. Ft.
"	SP & 52	Treated timber pile cut-off	96	" "
"	54	Class "A" concrete	11040	Cu. Yds.
"	56	Structural steel (truss bridges) Alternate with T.T. stringers	87070	Lbs.
"	SP & 52	Treated bridge timber	32.697	Mft. B.M.
"	54	Class "5" concrete	16088	Cu. Yds.
"	55	Reinforcing steel	41170	Lbs.



B.M. Elev. 428.62 on 12" W. Oak 75' L Sta. 56+60.

Test Hole No. 1. Sta. 57+00
El. Ground Surface 419.5
Sandy Loam 4.5
(Thin Layers) Shelly Rock El. 415.

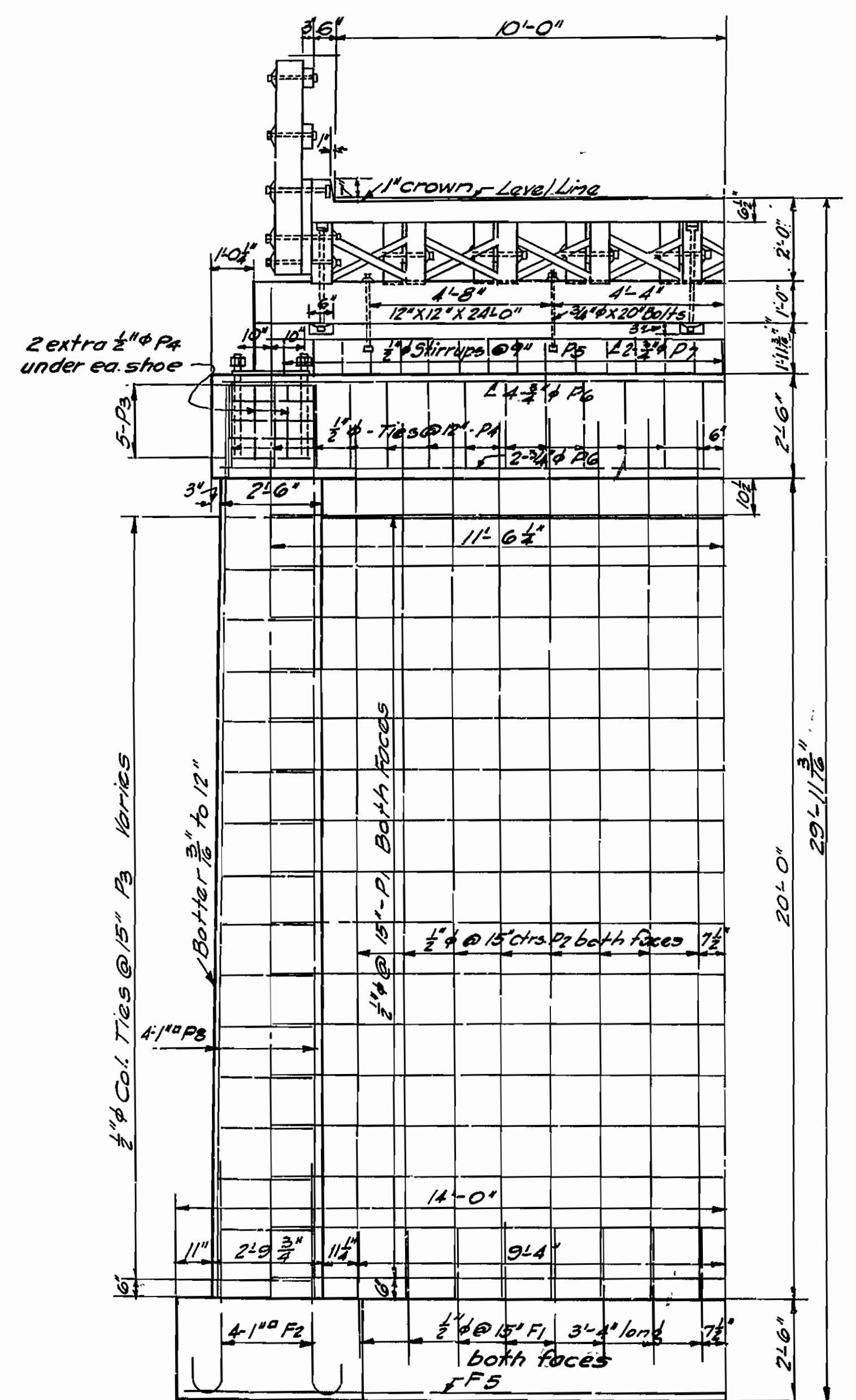
Test Hole No. 2. Sta. 57+75
Ground Surface El. 421.0
Sand and Silt El. 6.0
(Thin Layers) Shelly Rock 415.0

Drainage Area. 65 sq Miles Mountainous.

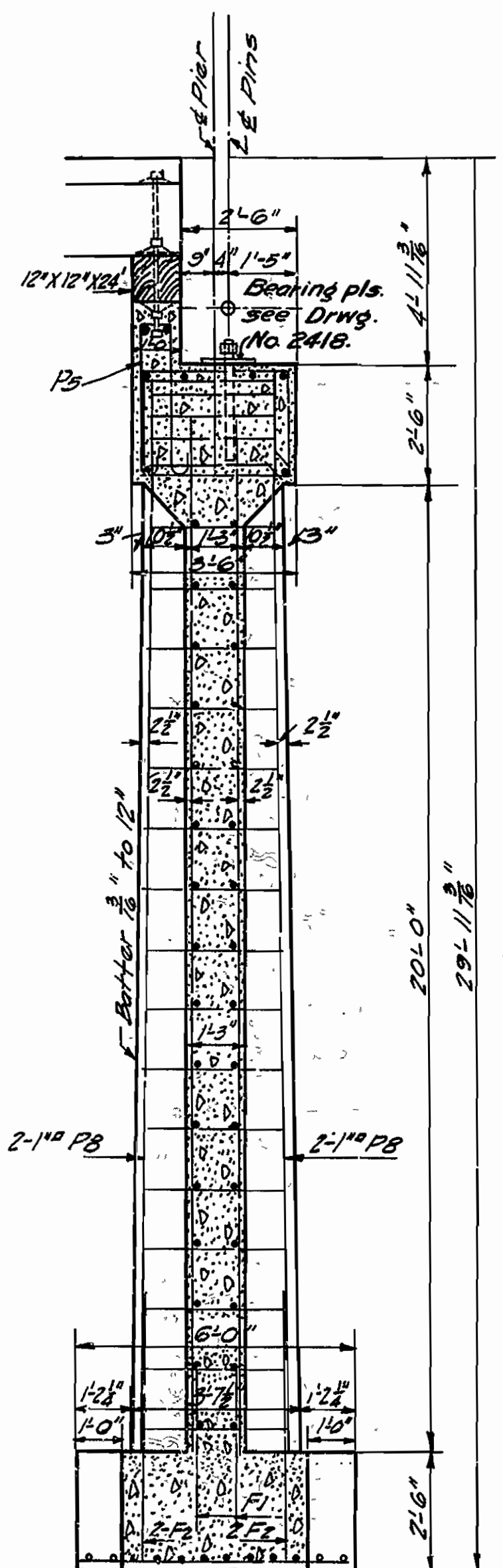
LAYOUT
FOR BRIDGE OVER SIX MILE CREEK
STA. 56+23.75-STA. 59+58.25
LOGAN COUNTY
ROUTE 23 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: *REH* Date: 1-26-31
Traced By: *E.M.M.* Date: 1-29-31
Checked By: *RE* Date: 2-18-31
Scale: 1/4" = 20'
BRIDGE NO. 1669 DRAWING NO. 3065

N.A. Harris
BRIDGE ENGINEER

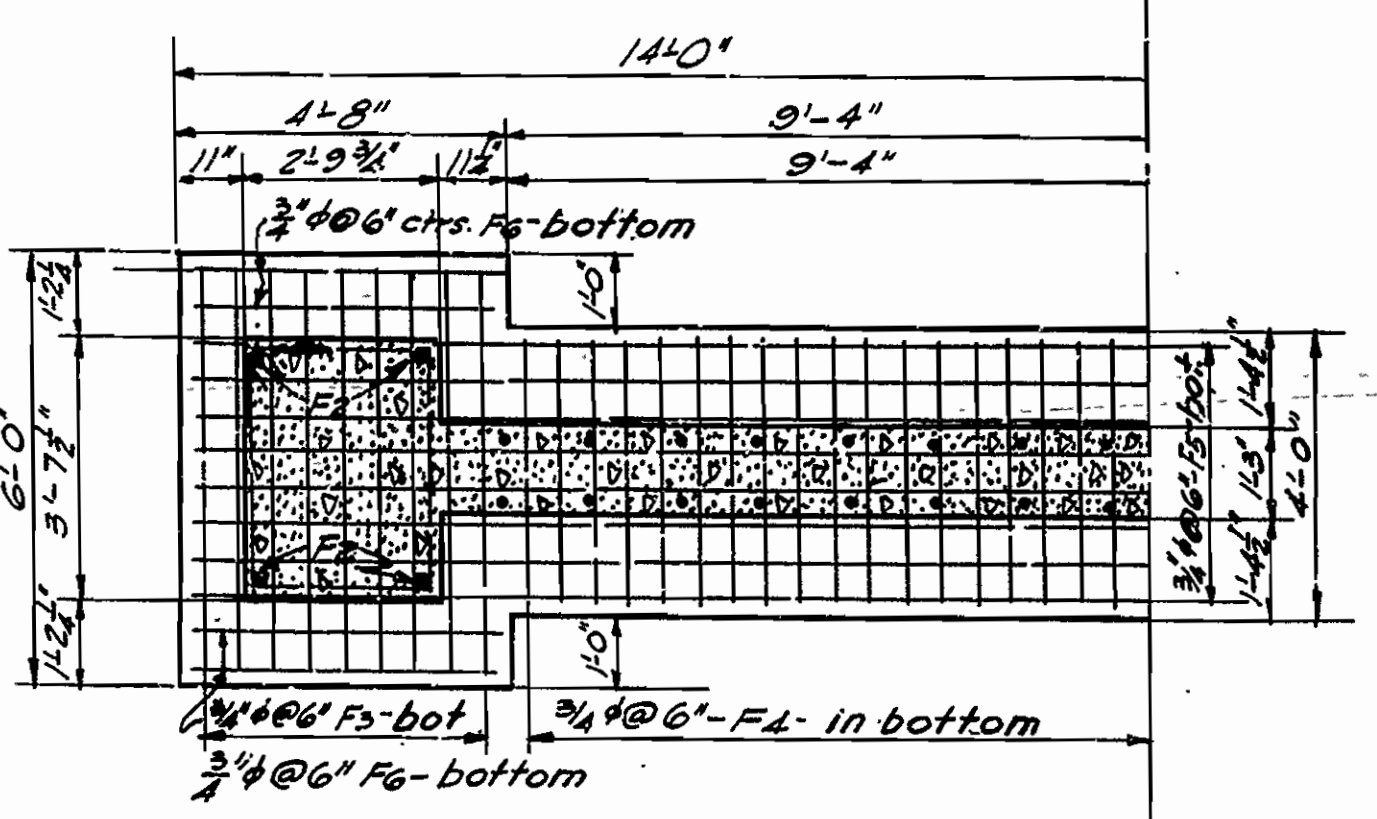
FIG. NO.	Job No.	SHEET TOTAL
1931	1130	5 24



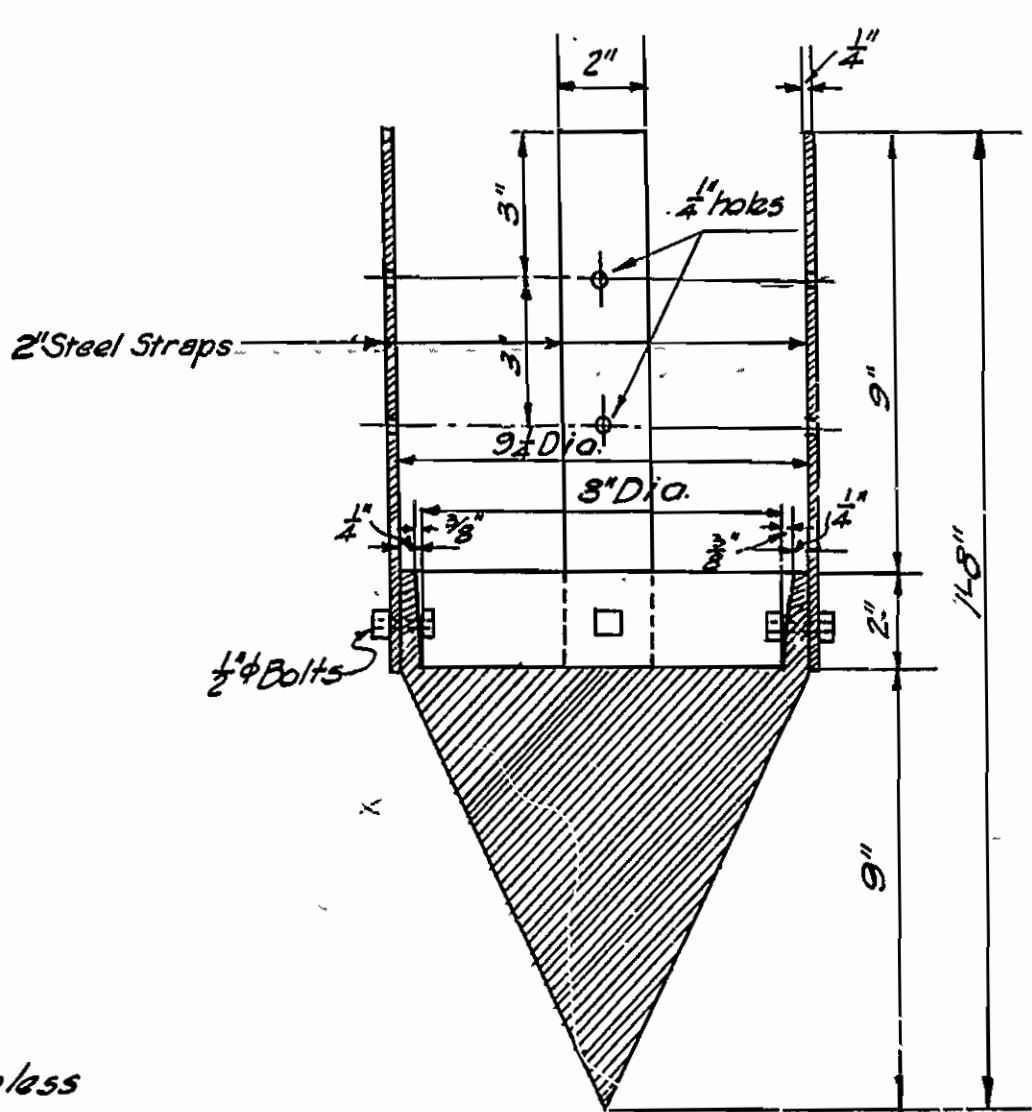
HALF ELEVATION PIERS



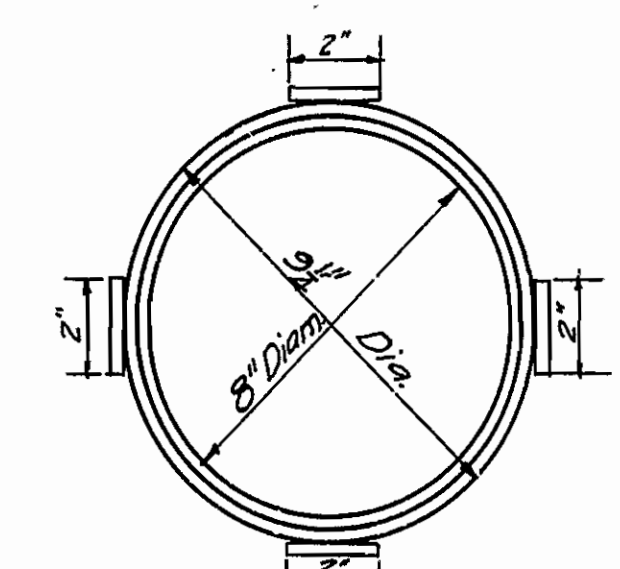
SEC. THRU PIERS



HALF PLAN FOOTING



SECTION THRU CAST IRON PILE POINT
Scale: 3" = 1'-0"



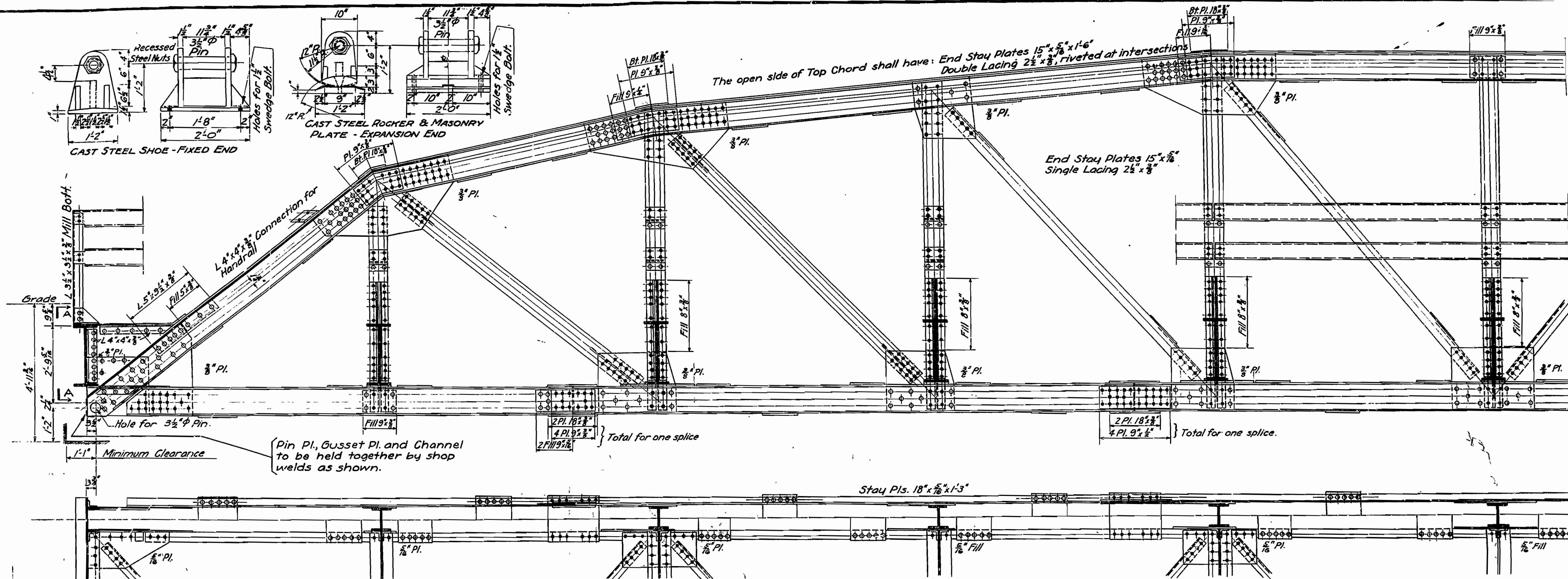
PLAN OF CAST IRON PILE POINT
Scale: 3" = 1'-0"

General Notes
 All exposed corners to have a 3/4" chamfer unless otherwise noted.
 All concrete used in substructure to be class "A" and to be poured in the dry.
 Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.
 Cast Iron Pile points to be paid for at unit price bid for structural steel trusses.
 Specifications: Arkansas State Standard Road and Bridge Specifications adopted May 30, 1925 and revised.

MARK	SIZE	LENGTH	BENDING DIAGRAMS
F2	1" #	6'-6"	
P5	1/2" #	9'-2"	
P4	1/2" #	11'-4"	
P3	1/2" #	Varies	

M.B. Garrow
BRIDGE ENGINEER

DETAILS OF SUBSTRUCTURE
 FOR
 BRIDGE OVER SIX MILE CREEK
 STA. 56+23.75 TO STA. 59+58.25
 LOGAN CO.
 ROUTE 23 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: REH Date: 1-22-31
 Traced By: LKKW Date: 1-22-31
 Checked By: AB Date: 2-16-31
 Bridge No. 1669 DRAWING No. 3066
 Scale: 3/4" = 1'-0" (as noted)



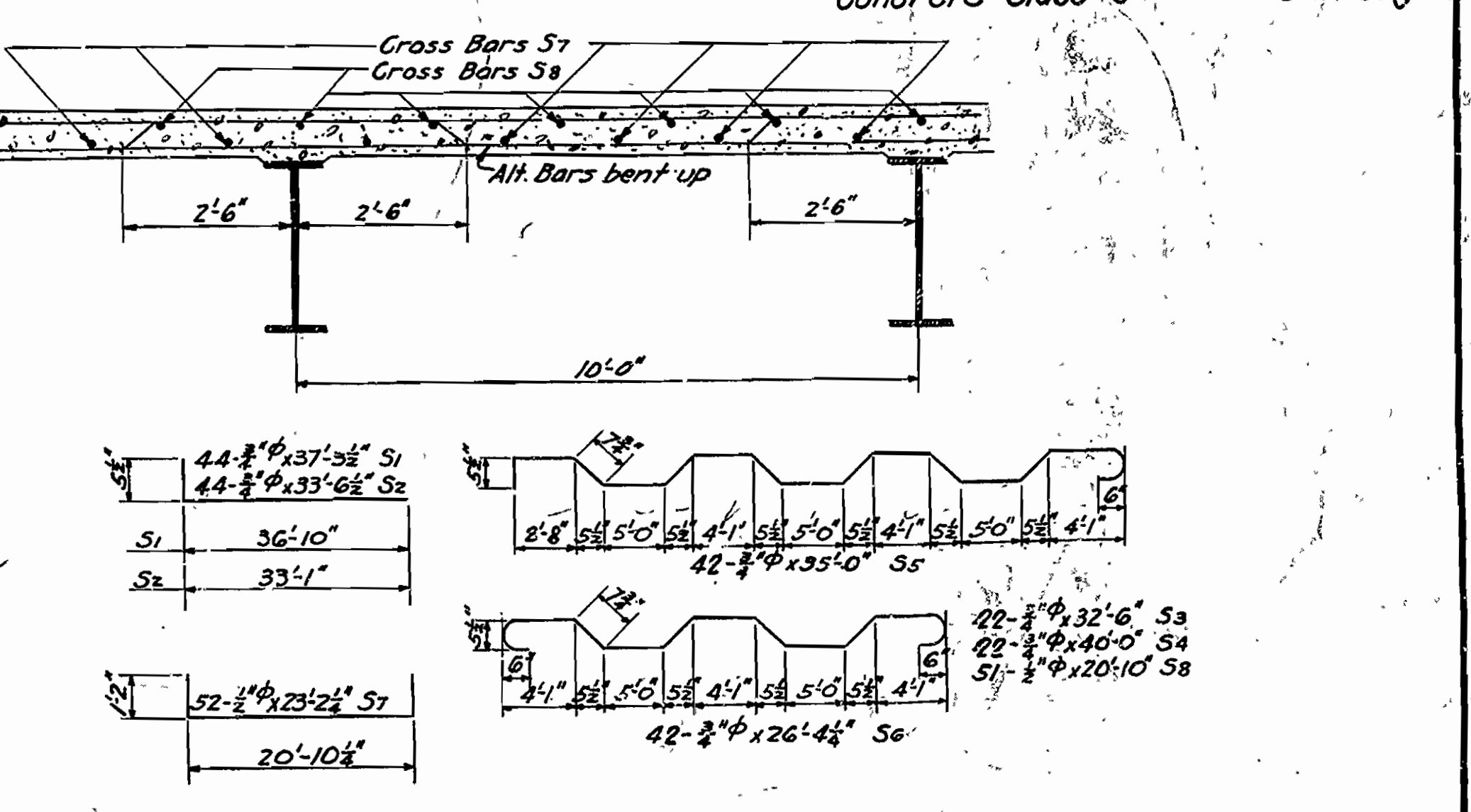
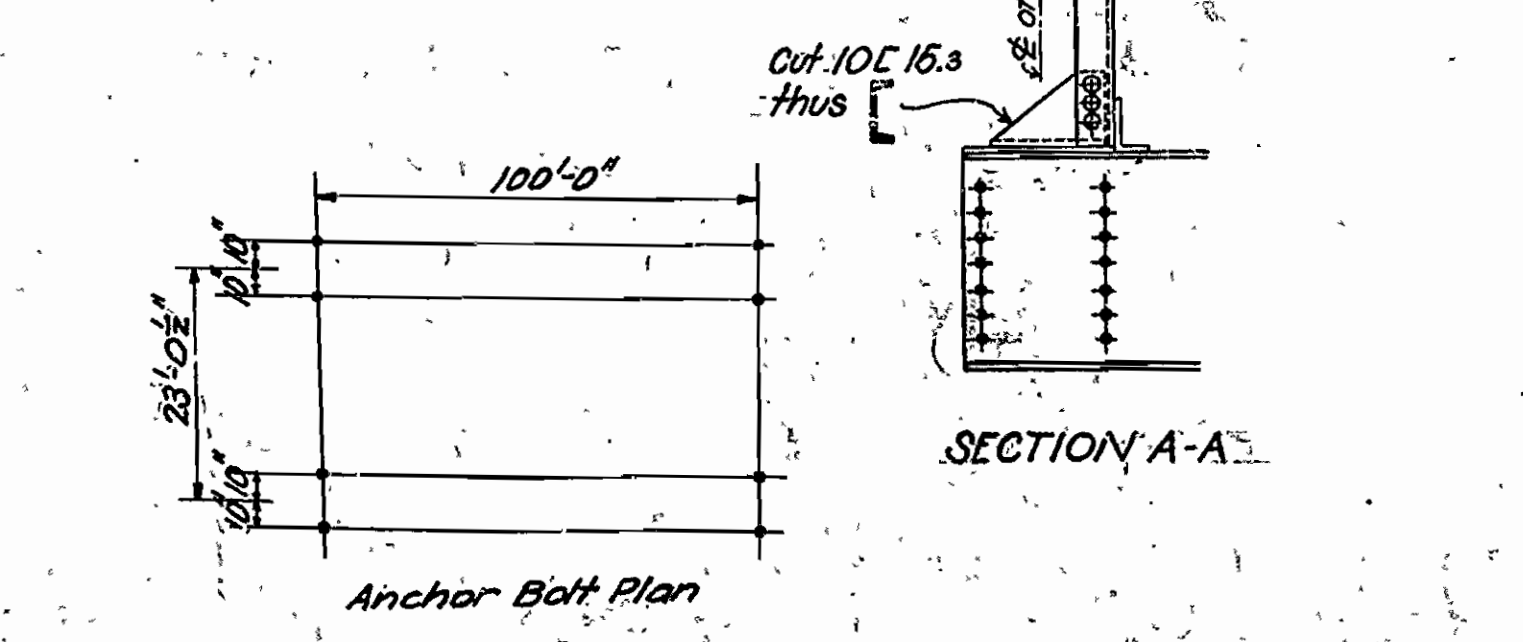
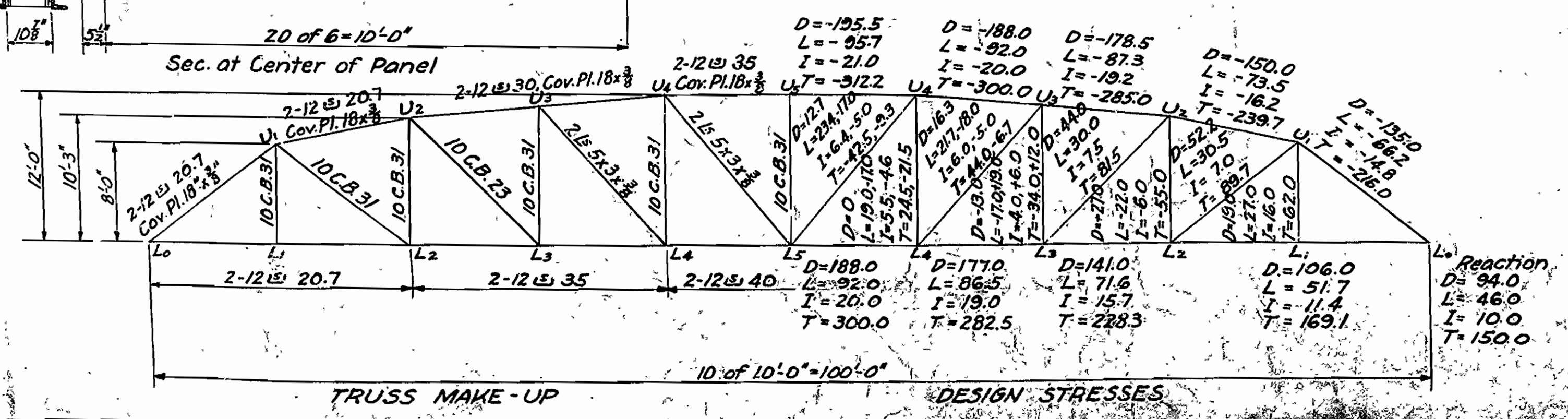
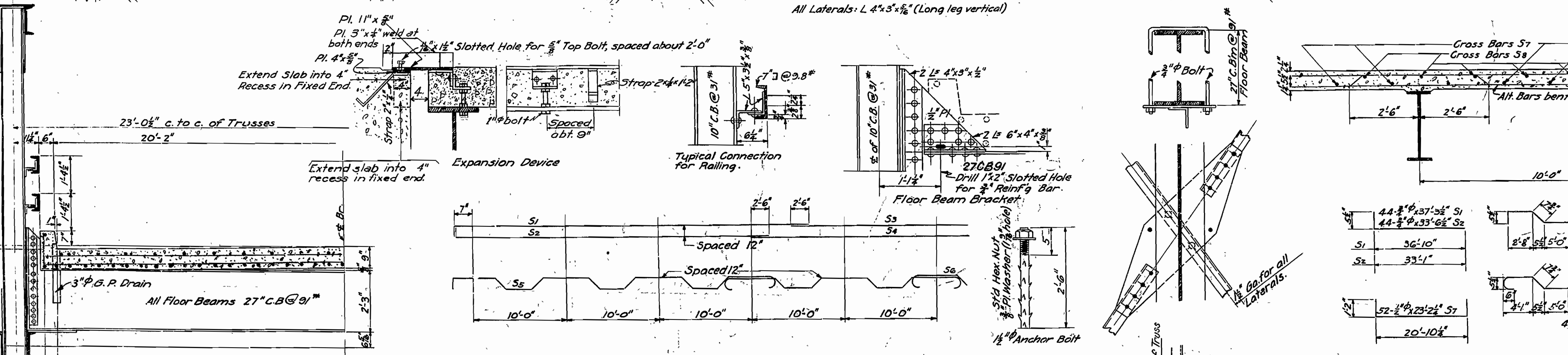
Rivets 3/4". Open holes 1/2".
 All holes in truss connections to be sub-punched and reamed to size while truss is assembled; this applies to field as well as shop rivets.
 Floor beam connections to be sub-punched and reamed to a metal template.
 All field connections shall be riveted.
 Shop paint: After being completely assembled and shop work finished, all pieces shall be given one coat of red lead and raw linseed oil before shipment.
 Field paint: Apply two coats of different colors as specified by the engineer.
 Floor slab: Concrete to be Class "S". One inch has been added for wear.
 All floor beams to be milled to exact length after framing angles have been riveted.
 Shapes of equal or greater strength may be substituted for shapes shown, but payment will be made in accordance with sizes given on this plan.
 This drawing shows general features of design only.
 Shop drawings shall be made in compliance with specifications, submitted and approved before fabrication is begun.
 Specifications: Ark. Standard Road & Bridge Specifications, adopted May 30, 1925 & Revised.

Unit Stresses

Concrete	750# per sq. in.
Reinforcing Steel	16,000#
Structural Steel	16,000#
Live Load	His Loading

Estimated Quantities

Structural Steel	85400 lbs
Cast Steel	1670 "
Reinforcing Steel	12480 "
Concrete Class "S"	62.4 cu yds.



Revised Expansion Device 2-11-30 Andersen

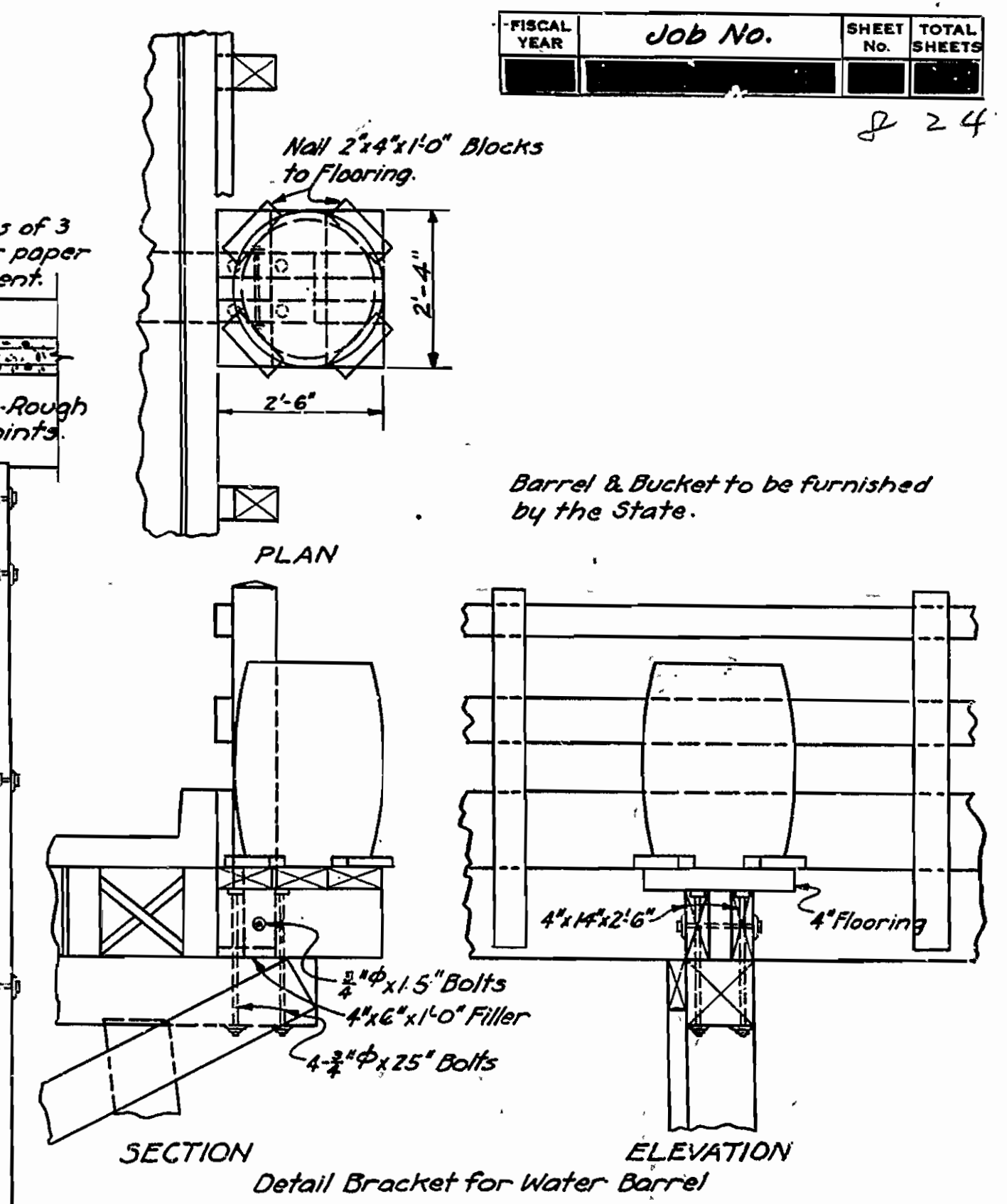
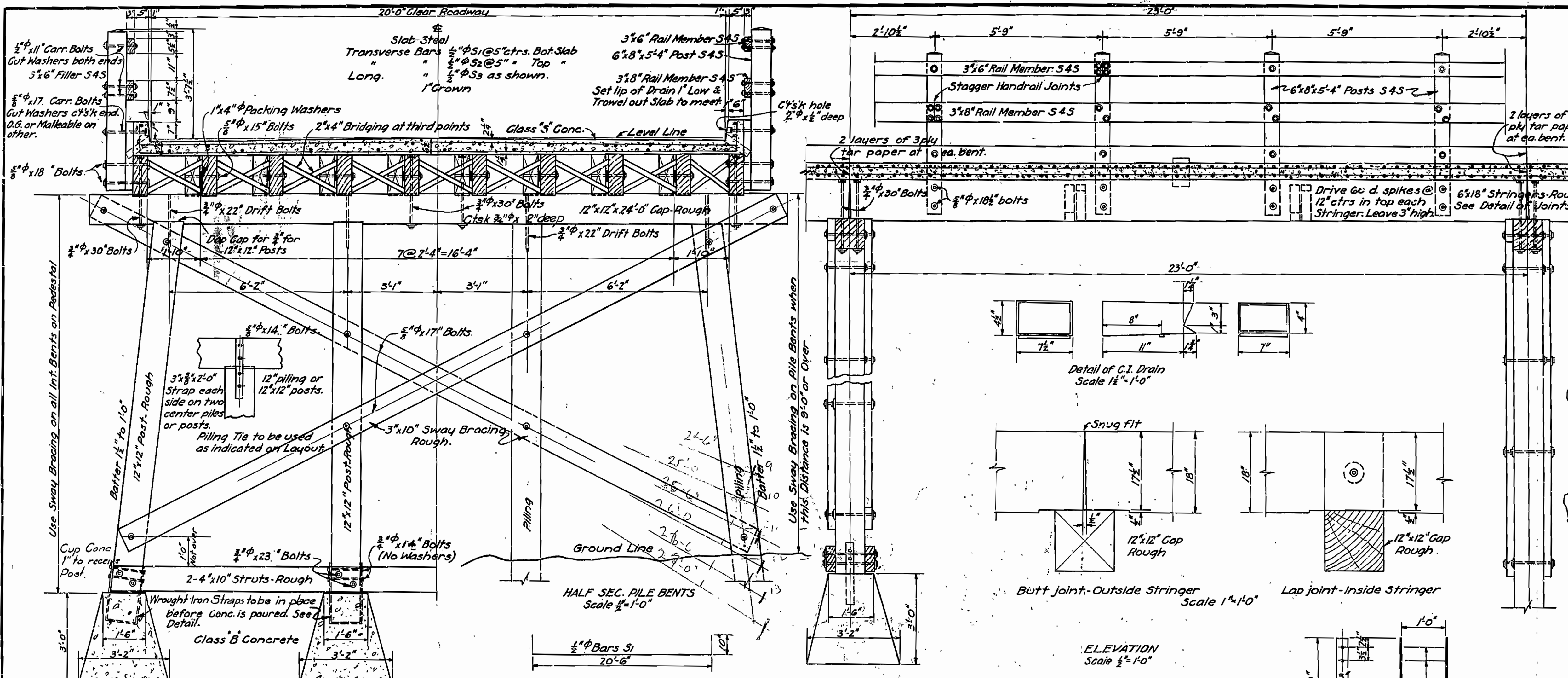
Revised March 6, 1931 Expansion Device and Anchor Bolt Plan by Lundstrom

STANDARD PLAN 100'-0" LOW TRUSS SPAN 20'-0" CLEAR RDWY. ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.

Drawn By: A Date: 7-30-30 Scale: 1/2" = 1'-0"
 Traced By: [Signature] Date: [Blank]
 Checked By: [Signature] Date: [Blank]

BRIDGE NO. [Blank] DRAWING NO. 2418



	Treated Timber	
Rail Posts	6" \times 8" \times 8"	S45
Members	3" \times 6" \times 3" \times 8"	S45
Post Filters	3" \times 6" \times 3" \times 8"	S45
Felloe Guard	8" \times 8"	S151E
Stringers	6" \times 18"	Rough
Bridging	2" \times 4"	
Caps	12" \times 12"	
Walling	4" \times 6" \times 4" \times 12"	
Fillers	4" \times 6" \times 4" \times 8"	
Nailing Strips	4" \times 6" \times 6" \times 8"	
Sway Bracing	3" \times 10"	
Posts (Frame Bent Only)	12" \times 12"	
Struts	4" \times 10"	
Supports (Water Barrel)	4" \times 12"	
Flooring	4" \times 10"	
Blocks	2" \times 4"	
Fillers	4" \times 6"	
Veneer	Untreated Timber 1" \times 6" \times 1" \times 8"	S45

Notes:

All timber and piling to be Southern Yellow Pine or Pacific Coast Douglas Fir.

All timber to be framed and bored before treatment. The preservative used for the treatment of timber and piles shall be of Grade 1 of Creosote Oil for Structural Timber.

All timber, except 1" Veneer on Handrail Turnouts, shall be treated with a ten (10) pound treatment of creosote oil by the empty cell process.

One inch veneer boards on handrail turnouts to be given three coats of white lead paint.

Stringers to be dapped at ends and to be spiked to cap with 2-60 d. nails in each end of stringer.

Malleable or cast iron washers to be used under all heads and nuts of machined bolts unless otherwise noted.

All piling shall be treated with twelve (12) pound treatment of creosote oil by the empty cell process.

Concrete pedestals to be Glass "B", and to be poured in the dry. Concrete deck to be Glass "S".

All exposed corners to have $\frac{3}{4}$ " chamfer unless otherwise noted.

Reinforcing steel to be deformed bars of structural or intermediate grade.

Roadway drains to be paid for at unit price bid for reinf. steel.

Specifications: Ark. Standard Road and Bridge Specifications, adopted May 30, 1925 and Revised.

All dimensions shown are center to center of bars

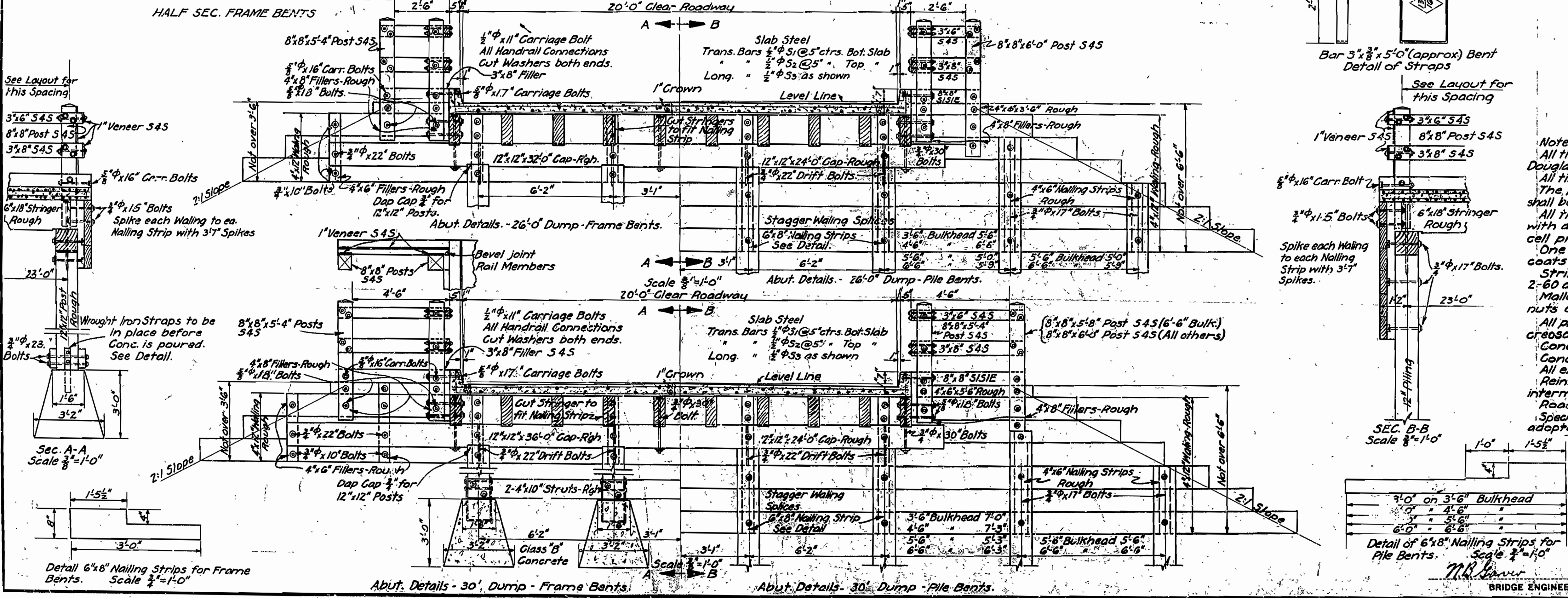
DETAILS
23'-0" STANDARD TIMBER TRESTLE
CONCRETE FLOOR - 20'-0" CLEAR RDWY

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: F.P.B. Date: 2-7-30
Traced By: J.P.B. Date: 2-16-30
Checked By: _____ Date: _____

BRIDGE ENGINEER

BRIDGE NO. _____ DRAWING NO. 2073



Detail 6" \times 8" Nailing Strips for Frame Bents.
Scale $\frac{3}{8}$ " = 1' 0"

