

INDEX

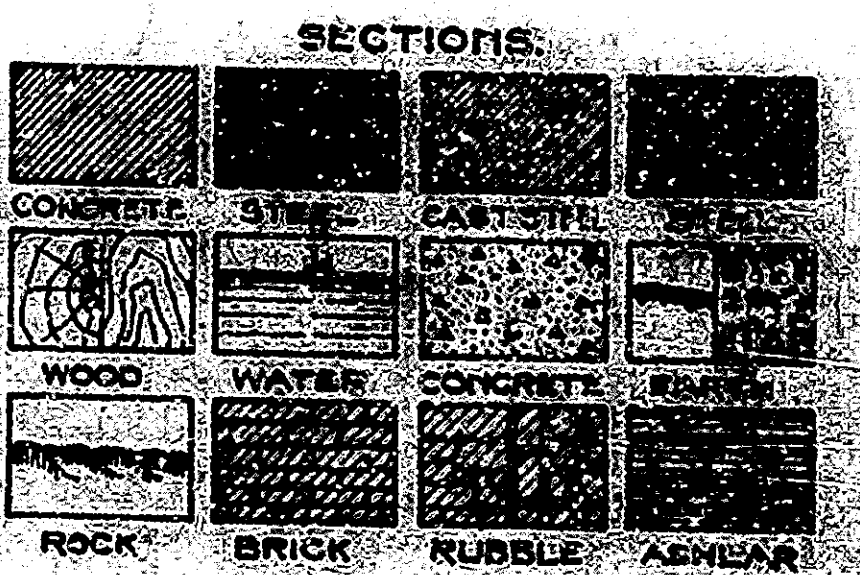
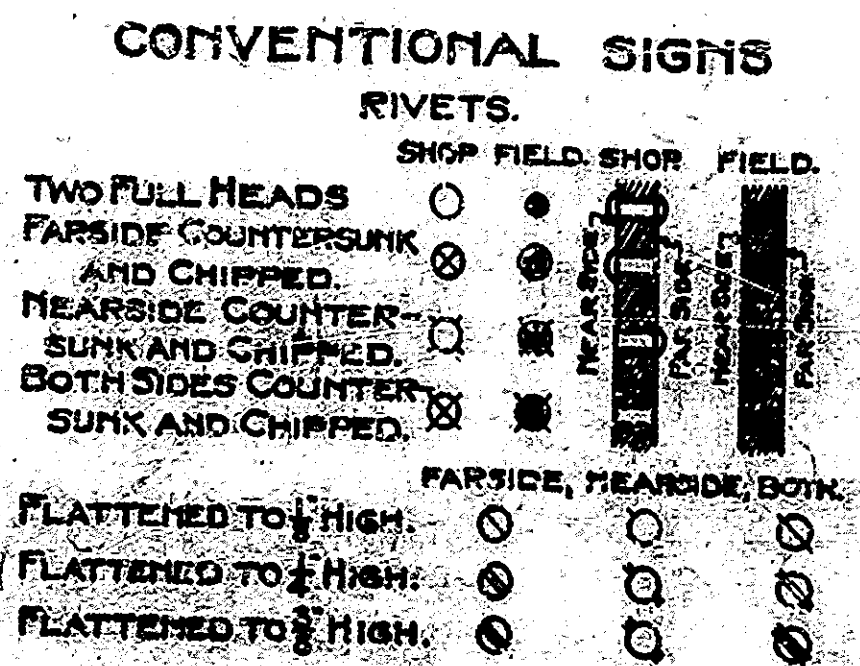
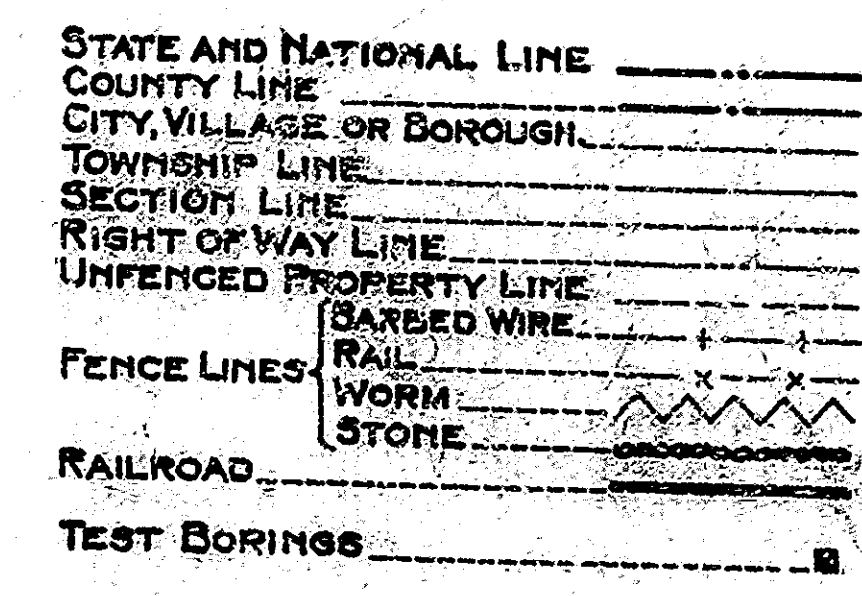
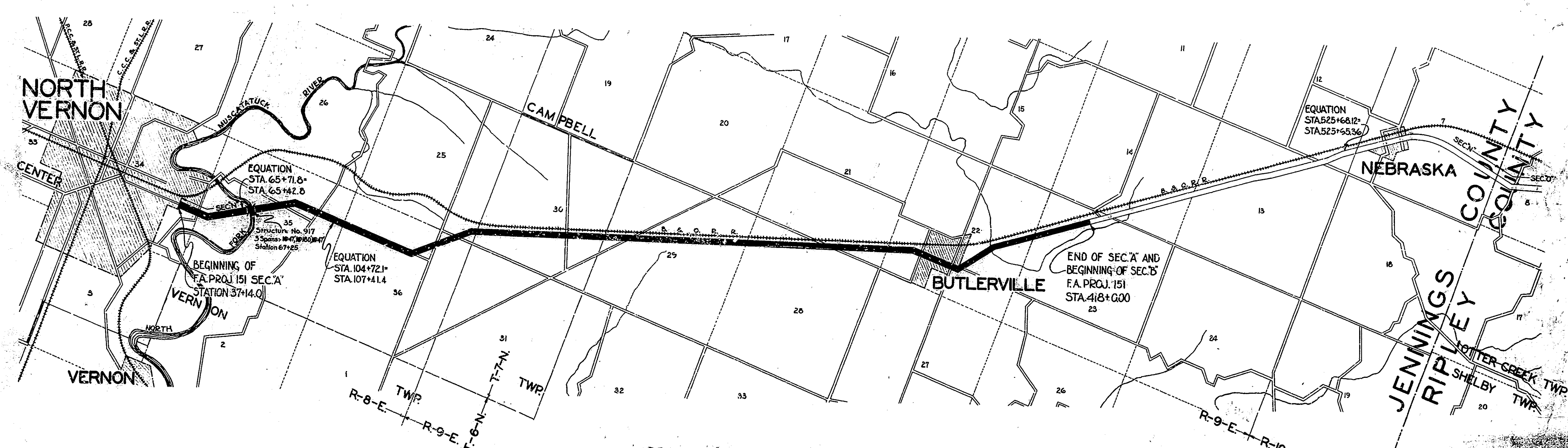
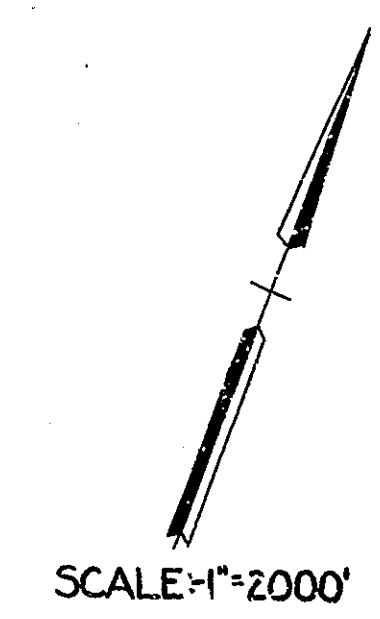
SHEET NUMBER	SECTION	STRUCTURE				DRAWING NUMBER	SUBJECT
		NO	TYPE	SPAN	OVER STATION		
2	N	917	CATCH	141	142	67-25	Index And Title Sheet
3							C1 Layout
4							C2 General Plan
5							C3 Details Span A & Abut. No. 1
6							C4 Span B Section & Plan
7							C5 Midspan Sect. Plan, Sect. Span B Elevation
8							C6 Details Span C & Abut. No. 4
9							C7 Abutments No. 2 & No. 3 Details
10							C8 H.P. & Miscellaneous Details
11							C9 Bills of Materials
12							C10 Bond Diagrams of Mats. & Summary
13							Ed. Dept. Sheet No. 4
14							Ed. Dept. Cross Section, Sta. 151+00
15							Ed. Dept. Plan & Profile, Ed. Proj. EA 151A
16							Ed. Dept. Cross Section, Sta. 151+00
17							Ed. Dept. Plan & Profile, Ed. Proj. EA 151A
18							Miscell. Ed. Shts. Jan. 1929
							Ed. Dept. Detail, Barricades, Etc.

STATE OF INDIANA
STATE HIGHWAY COMMISSION
BUREAU OF BRIDGES

PLANS FOR BRIDGES OVER 20 FEET SPAN
FOR PROPOSED
STATE HIGHWAY
PROJECT NO. 50 SEC. N

DESCRIPTION OF FEDERAL AID PROJ. NO. 151 SEC. A TO BE CONSTRUCTED BY THE ROAD DEPT.: NORTH VERNON-VERSAILLES ROAD: BEGINNING AT A POINT ON THE EAST CORPORA-TION LINE OF NORTH VERNON, IN SEC. 34, T. 7 N., R. 8 E., AND EXTENDING IN A NORTH EASTERLY DIRECTION TO A POINT IN THE NORTH WEST QUARTER (4) OF SEC. 23, T. 7 N., R. 9 E., IN JENNINGS COUNTY.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SECTION	YEAR	NO.	SHEET NO.
7	IND.	50	151	1930	1	18



INDIANA STATE HIGHWAY STANDARD BRIDGE SPECIFICATIONS, 1922, ON FILE WITH U.S. BUREAU OF PUBLIC ROADS TO BE USED WITH THESE PLANS.

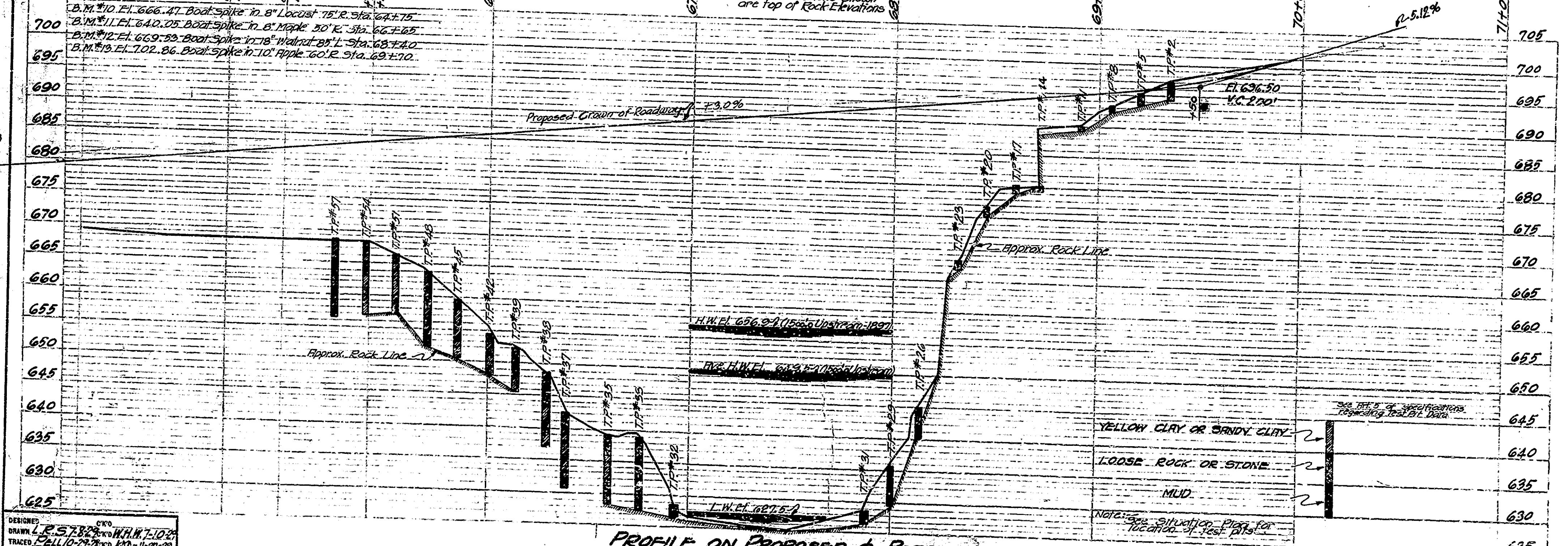
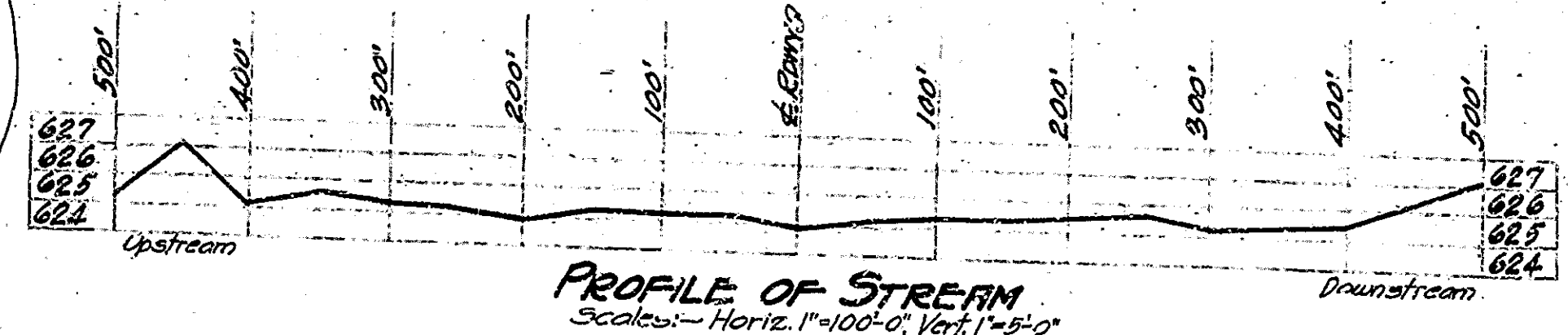
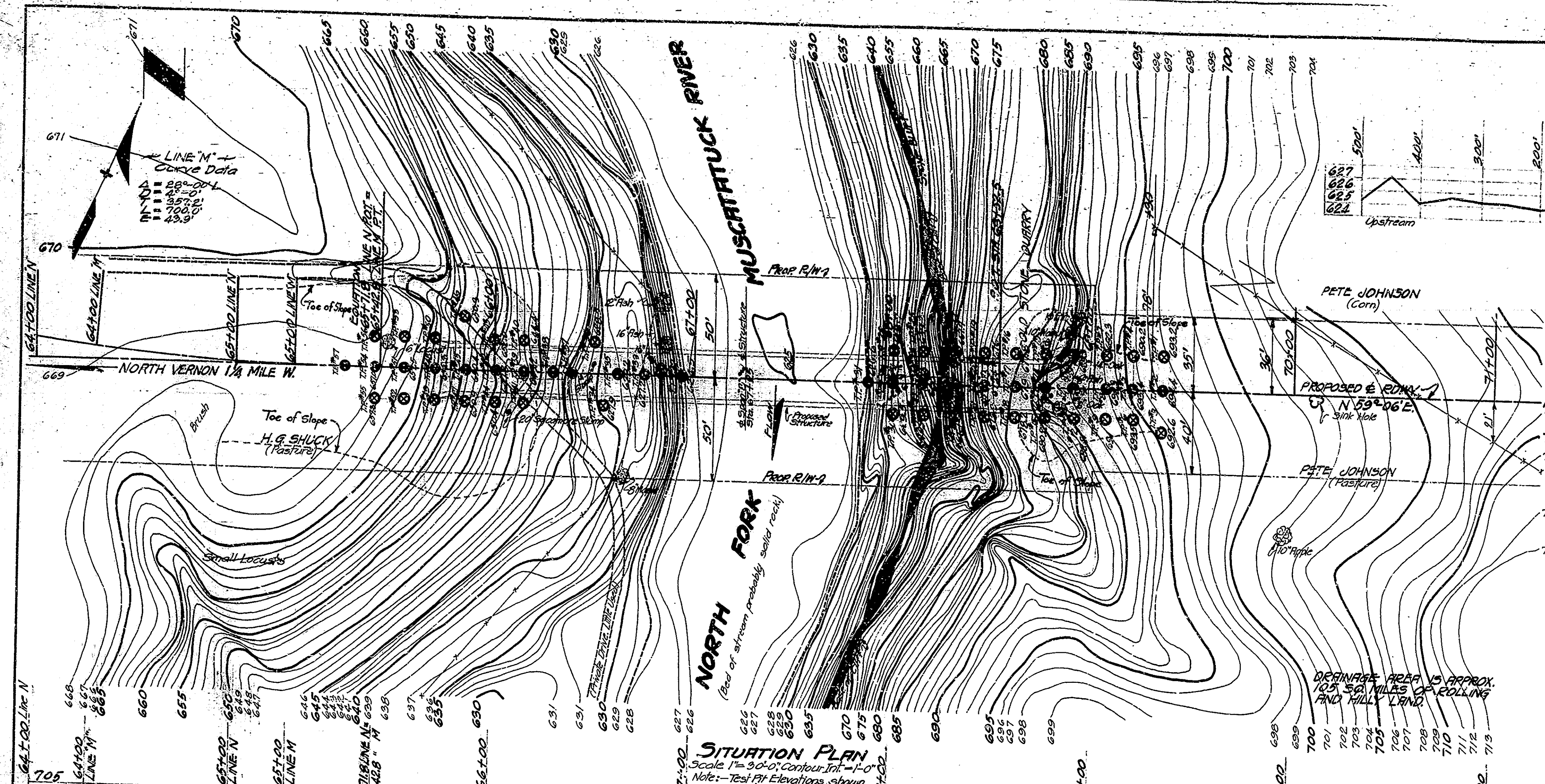
APPROVED, JANUARY 14, 1930.

DEPARTMENT OF PUBLIC WORKS

APPROVED, JANUARY 14, 1930.

CHIEF ENGINEER, INDIANA STATE HIGHWAY COMMISSION

BRIDGE OVER 20' SPAN				
DATE	STATE	POST. NO.	YEAR	NO.
7	IND.	50	1930	2 16



NOTE: - SEE ROAD PLAN FOR REFERENCES

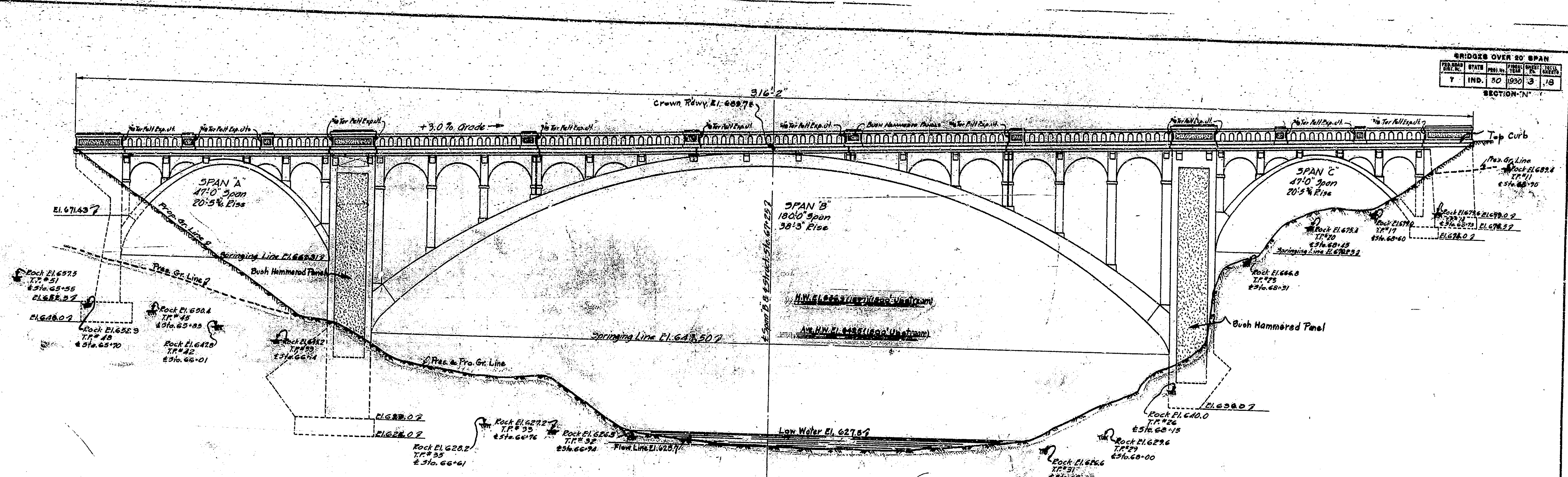
NOTE: - THIS IS STRUCTURE NO. 1 ON ROAD PROJ. 151-A. SEE ROAD DEPT. SHEET NO. 4 FOR GRADE LINE, REFERENCES AND BENCH MARKS.

LAYOUT
REINFORCED CONCRETE BRIDGE
3 SPANS: 1@47', 1@180', 1@47'. 22'-0" ROADWAY
OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD: -50-N
INDIANA STATE HIGHWAY COMMISSION
JENNINGS, COUNTY
SCALE: - AS NOTED
RECOMMENDED FOR APPROVAL: *Fred Kellam*
PROJECT: - 50
SECTION: - N
STATION: - 67 + 25
DATE: JANUARY 14, 1930.
ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES
PROJECT: - 50
SECTION: - N
STATION: - 67 + 25
DATE: JANUARY 14, 1930.
ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES
PROJECT: - 50
SECTION: - N
STATION: - 67 + 25
DATE: JANUARY 14, 1930.
ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES

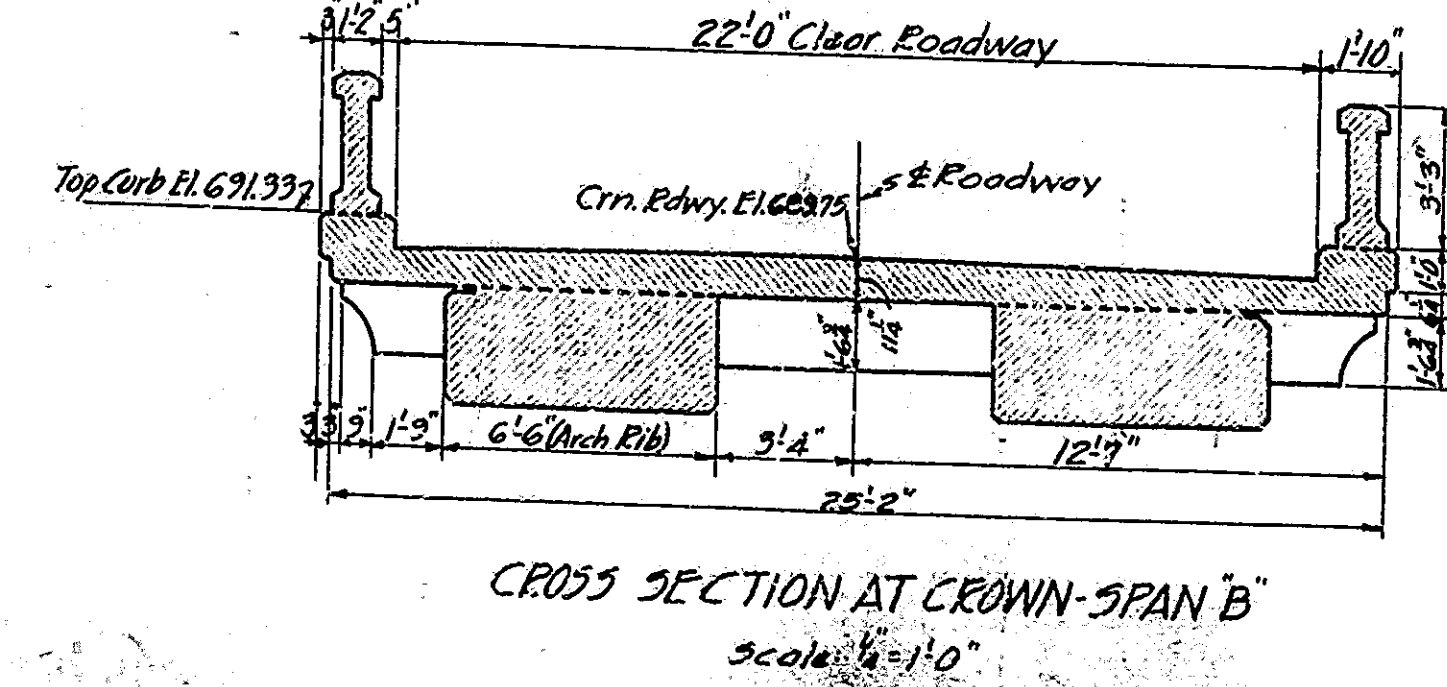
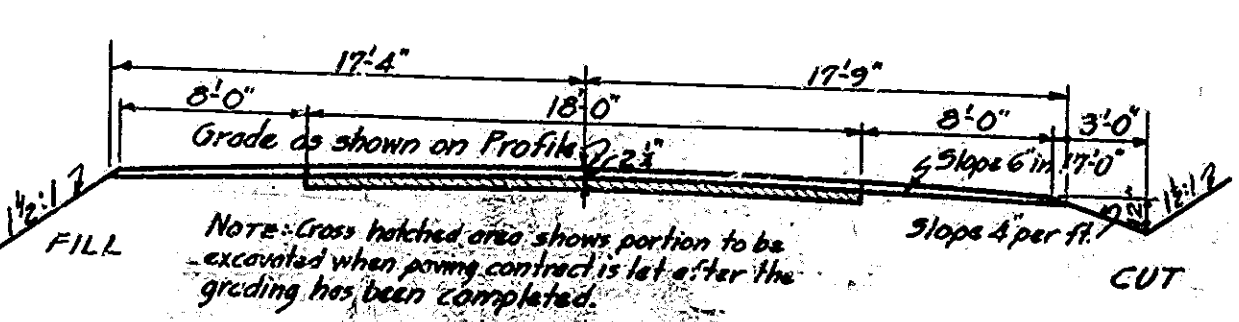
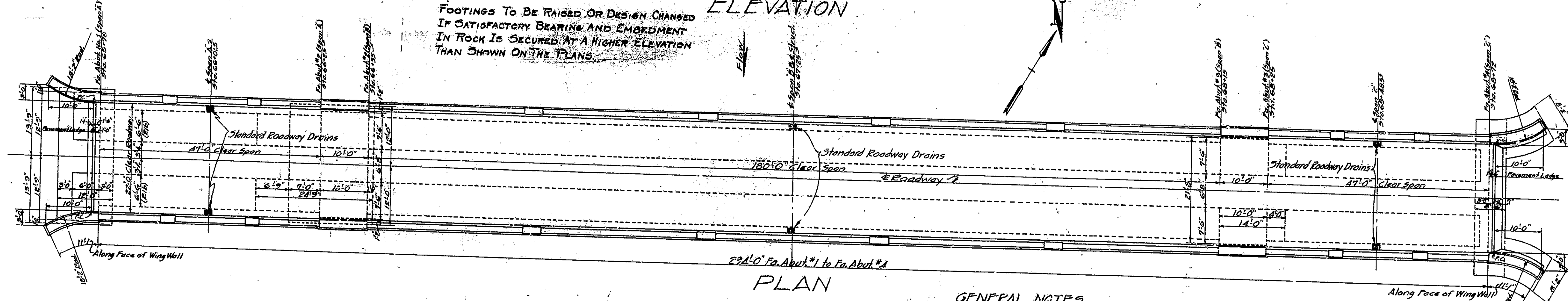
DESIGNED BY: R.S. ...
DRAWN BY: R.S. ...
CHECKED BY: ...
DATE: ...

FIELD NOTES: - Book B.C. #349 - PP 2 TO 37
BRIDGE CONTRACT NO. 338
STRUCTURE NO. 917

BRIDGES OVER 20' SPAN					
NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	DATE
7	IND.	50	1930	3	18



NOTE: FOOTINGS TO BE RAISED OR DESIGN CHANGED IF SATISFACTORY BEARING AND EMBODIMENT IN ROCK IS SECURED AT A HIGHER ELEVATION THAN SHOWN ON THE PLANS.



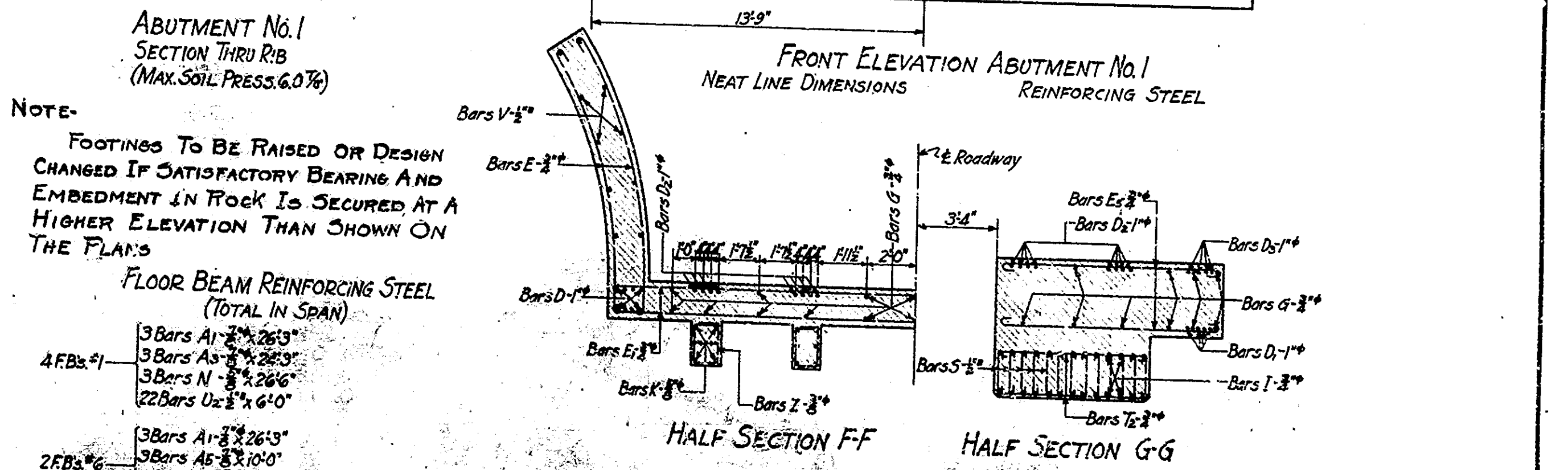
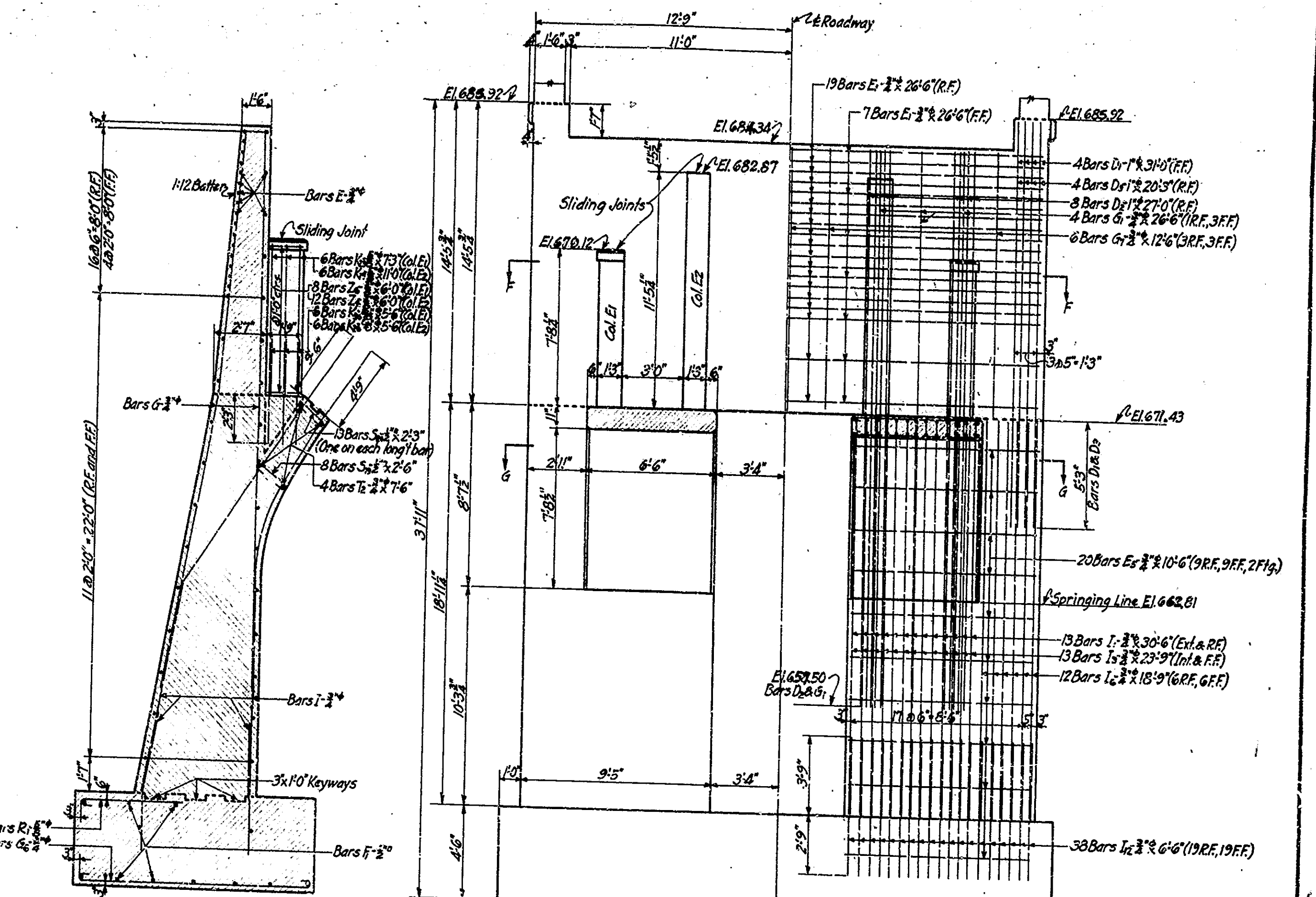
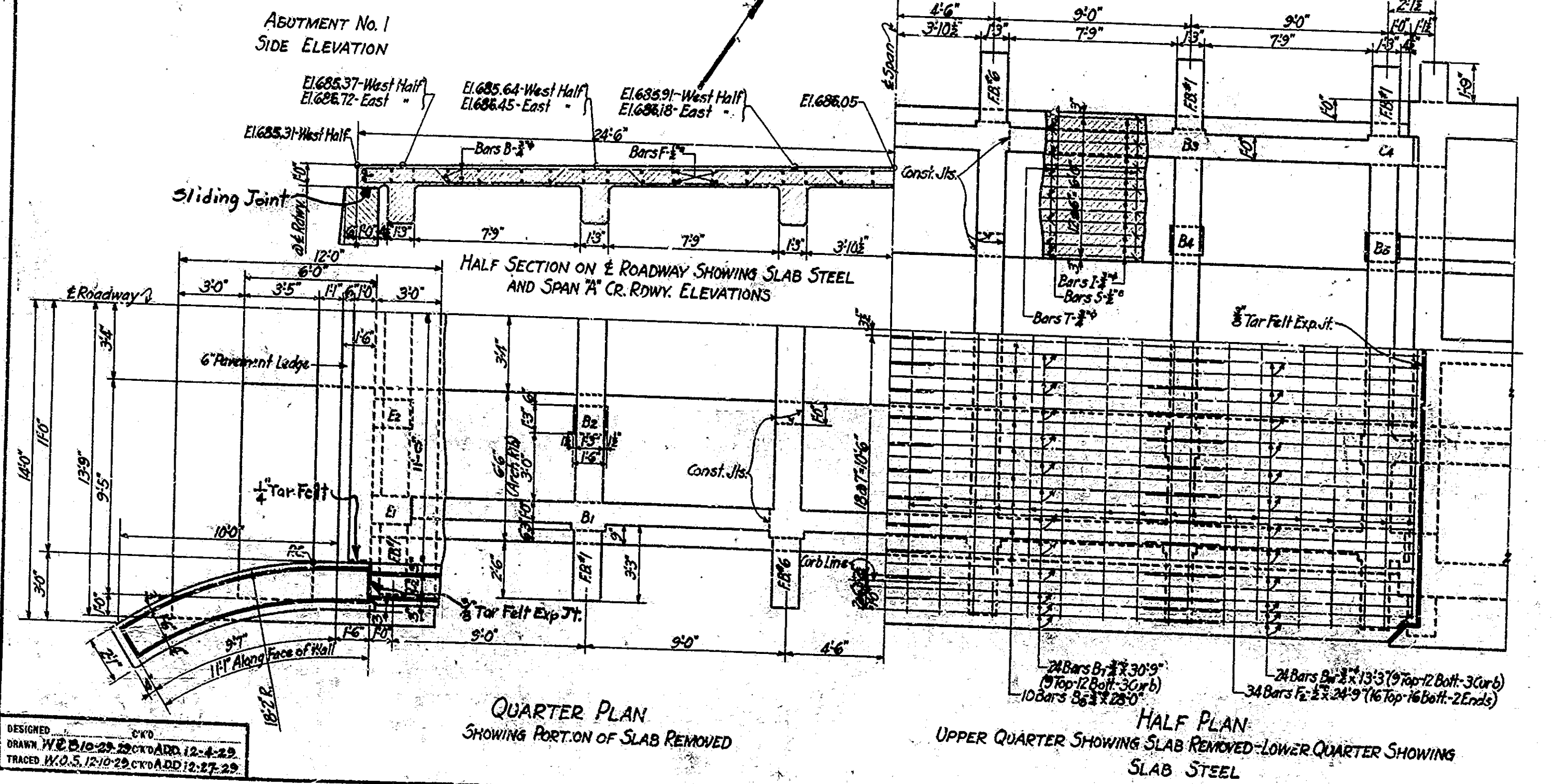
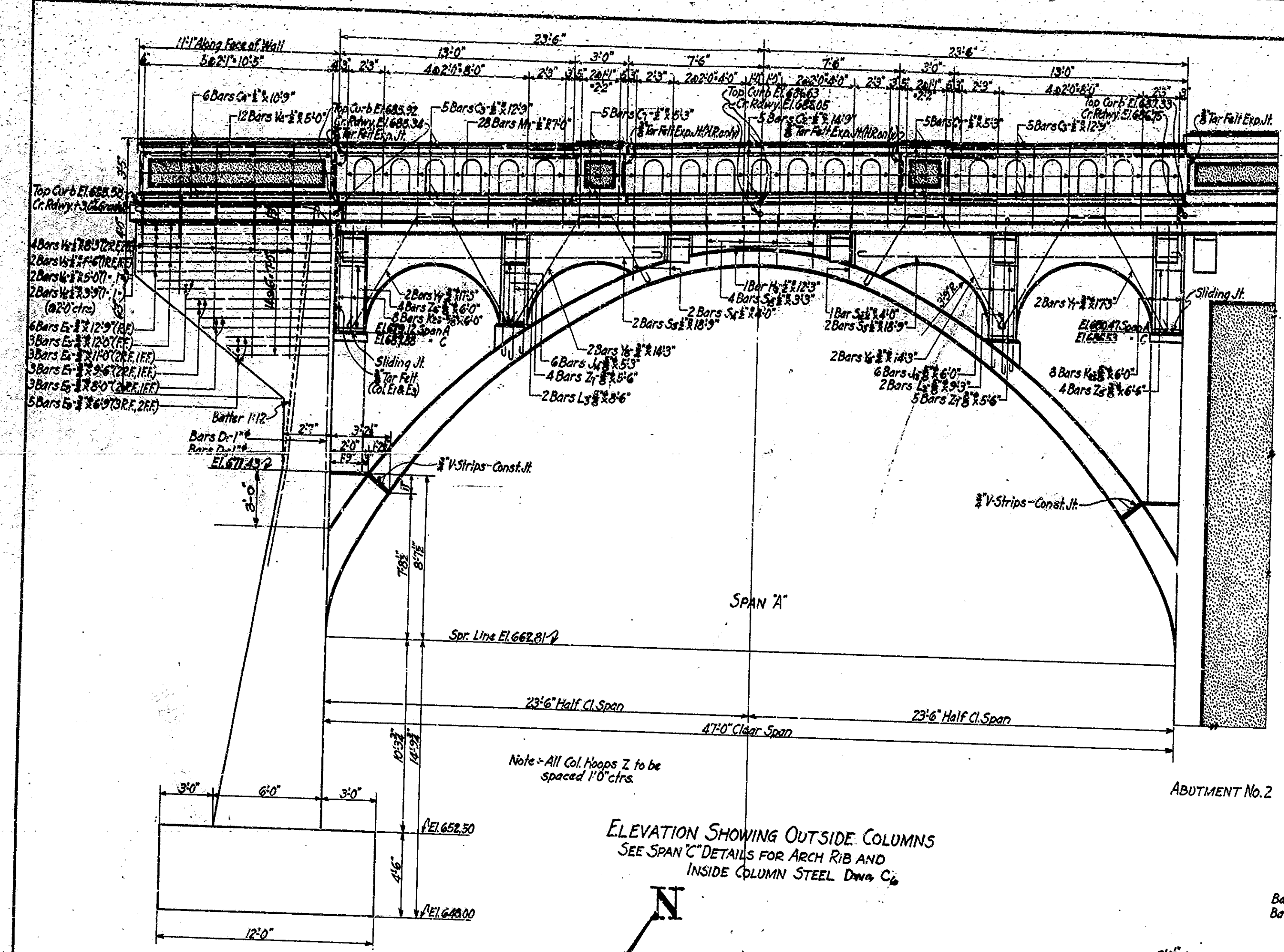
GENERAL NOTES

There is no structure at this location at present.
Depth of footings to be extended if found necessary. See Art. 115 of Supplement. Footings shall extend not less than 1'-0" into Solid Rock.
All concrete in Handrail above Top of Curb to be Class F.
All concrete in Footings in Abut. No. 1 up to El. 671.43 & Arch Rib const. in Abut. No. 2 & No. 3 up to Top Line El. 647.5 & in Abut. No. 4 up to Top of Curb & Arch Rib const. to be Class E.
All other concrete in Structure not noted above to be Class D.
Reinforcing steel shall be embedded 3" in Abutments below Top Line; 3" in Wing Walls, 2" in Arch Ribs, Sponderal Walls, & other parts unless otherwise noted.
Wing Walls, End Walls & Abutments to be waterproofed in accordance with specifications.
Six Roadway Drains to be placed as shown on Drwg. C-2.
See Supplement to Specifications. Grades to be wired down securely. Bevel forms 1/4" on under side of all copings. See detail of H.R. Chamfer all exposed edges & except the copings & Handrail. Contractor is required to have a 2-bag concrete mixer for the construction of this structure. See Special Provisions.
Wings to be rip-rapped. See Supplement.
Approaches to be graded and paved. See Special Provisions and Sheet No. 16.
Bituminous filled expansion joints to be placed in approach slabs directed by the Engineer. See Art. 904 of Supplement and Sheet No. 17.

GENERAL PLAN
REINFORCED CONCRETE BRIDGE
3 SPANS - 1 @ 47', 1 @ 180', 1 @ 47'.
OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD - 50 - N
22' - 0" ROADWAY
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
JANUARY 14, 1930.
RECOMMENDED FOR APPROVAL: *Fred Kellam*
ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES
PROJECT: - 50
SECTION: - N
DRAWING: - C-2 OF 10
BRIDGE CONTRACT NO. 338
STATION: - 67 + 25
STRUCTURE NO. 317

DESIGNED BY: CFB
DRAWN BY: C.C. 1023-B, C.C. 1023-A, D.D. 1023-23
CHECKED BY: J.T. 1023-22, C.C. 1023-21, D.D. 1023-23

BRIDGES OVER 20' SPAN				
NO.	SPAN	DATE	BY	TOTAL SHEETS
7	IND. 50	530	4	18



DETAILS SPAN A AND ABUT. NO. 1
REINFORCED CONCRETE BRIDGE

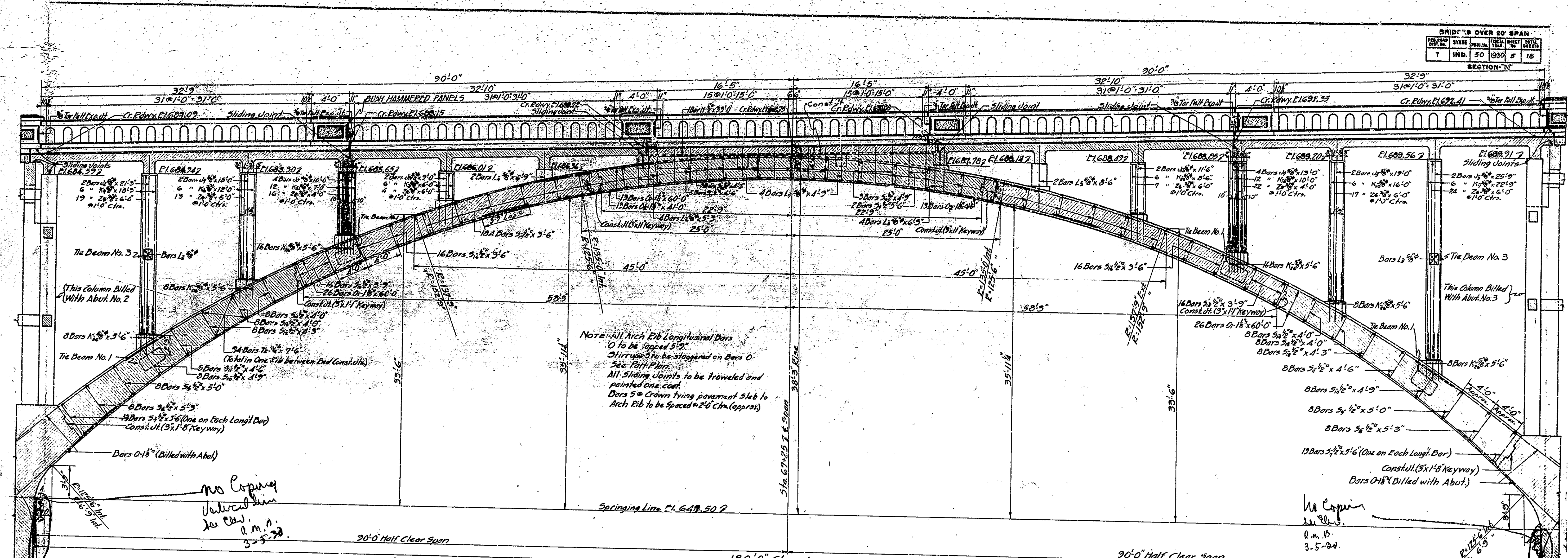
3 SPANS - 104.7, 104.7, 104.7
OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD - 50-N
22'-0" ROADWAY

INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY

SCALE - 1" = 1'-0"
RECOMMENDED FOR APPROVAL: *Fred Kellum*
PROJECT - 50
SECTION - N
STATION - 67 + 25
DRAWING - C₃ OF 10
BRIDGE CONTRACT NO. 338

STRUCTURE NO. 917

DESIGNED: [Signature]
DRAWN: W.R. [Signature]
CHECKED: [Signature]
TRACED: W.O.S. [Signature]



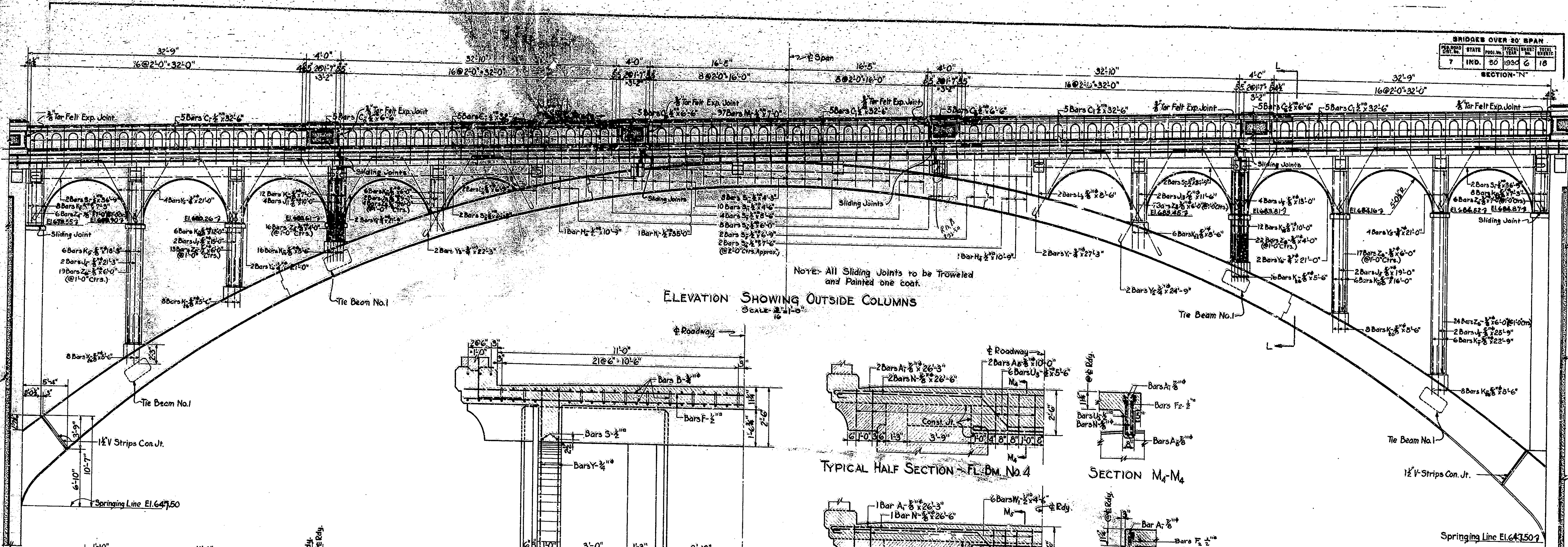
SPAN B SECTION AND PLAN
REINFORCED CONCRETE BRIDGE
 3 SPANS: 1 @ 47', 1 @ 180', 1 @ 47'. 22'-0" ROADWAY
 OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD - 50-N
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
 SCALE: 1/4" = 1'-0"
 JANUARY 14, 1930
 RECOMMENDED FOR APPROVAL: *Lud Kellars*
 ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES
 PROJECT: 50 SECTION: N STATION: 67 + 25
 DRAWING: C-4 OF 10 BRIDGE CONTRACT NO. 338 STRUCTURE NO. 4917

DESIGNED: C.W.D.
 DRAWN: C.B.C. 10-28-33
 TRACED: J.T.B. 12-26-32

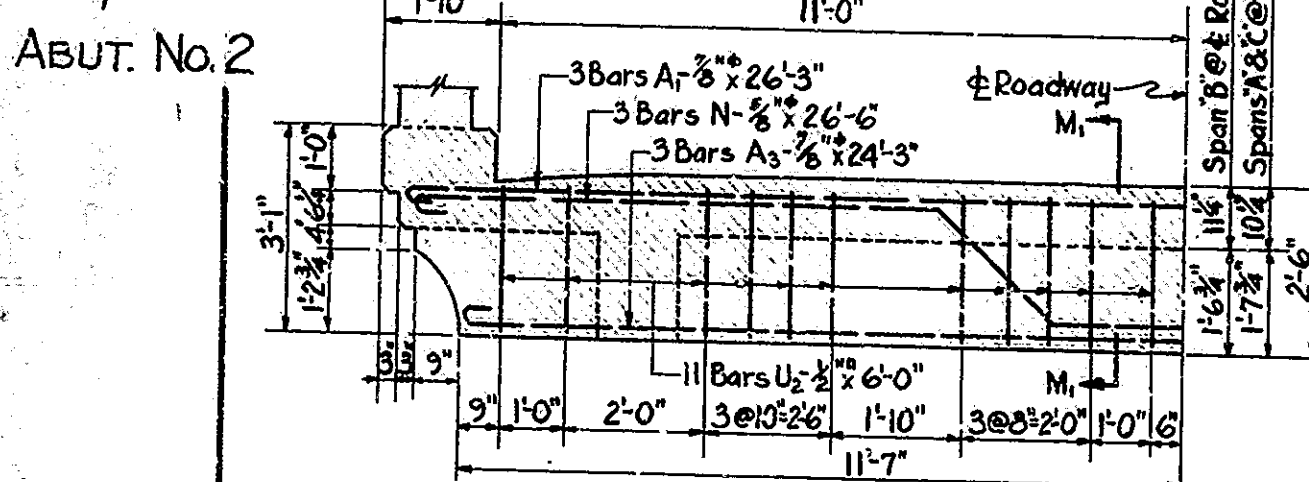
NOTE -
 TIE BEAM DETAILS & COLUMN SECTIONS ON DWG. C-1

PART PLAN
 UPPER HALF SHOWING SLAB REMOVED - LOWER QUARTER SHOWING SLAB STEEL

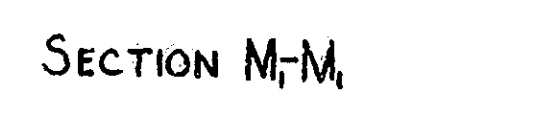
BRIDGES OVER 20' SPAN			
STATE	PROJ. NO.	SPAN NO.	JOINT NO.
IND.	50	180	6
SECTION - N			18



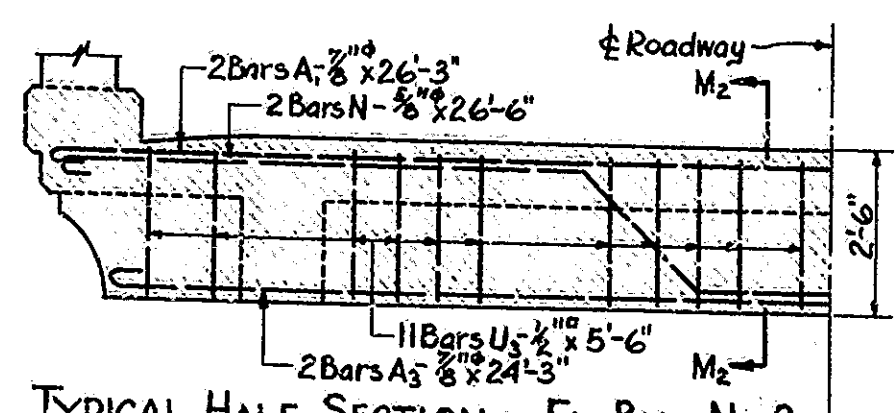
ELEVATION SHOWING OUTSIDE COLUMNS
SCALE: 1/4" = 1'-0"



TYPICAL HALF SECTION - FL. BM. No. 1



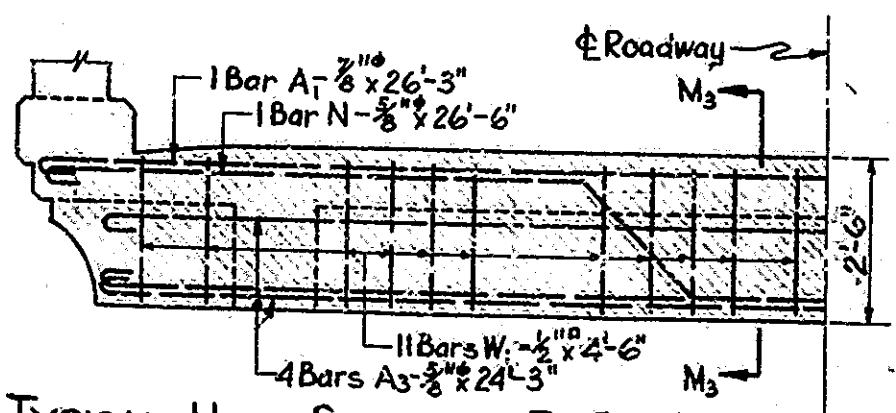
SECTION M₁-M₁



TYPICAL HALF SECTION - FL. BM. No. 2



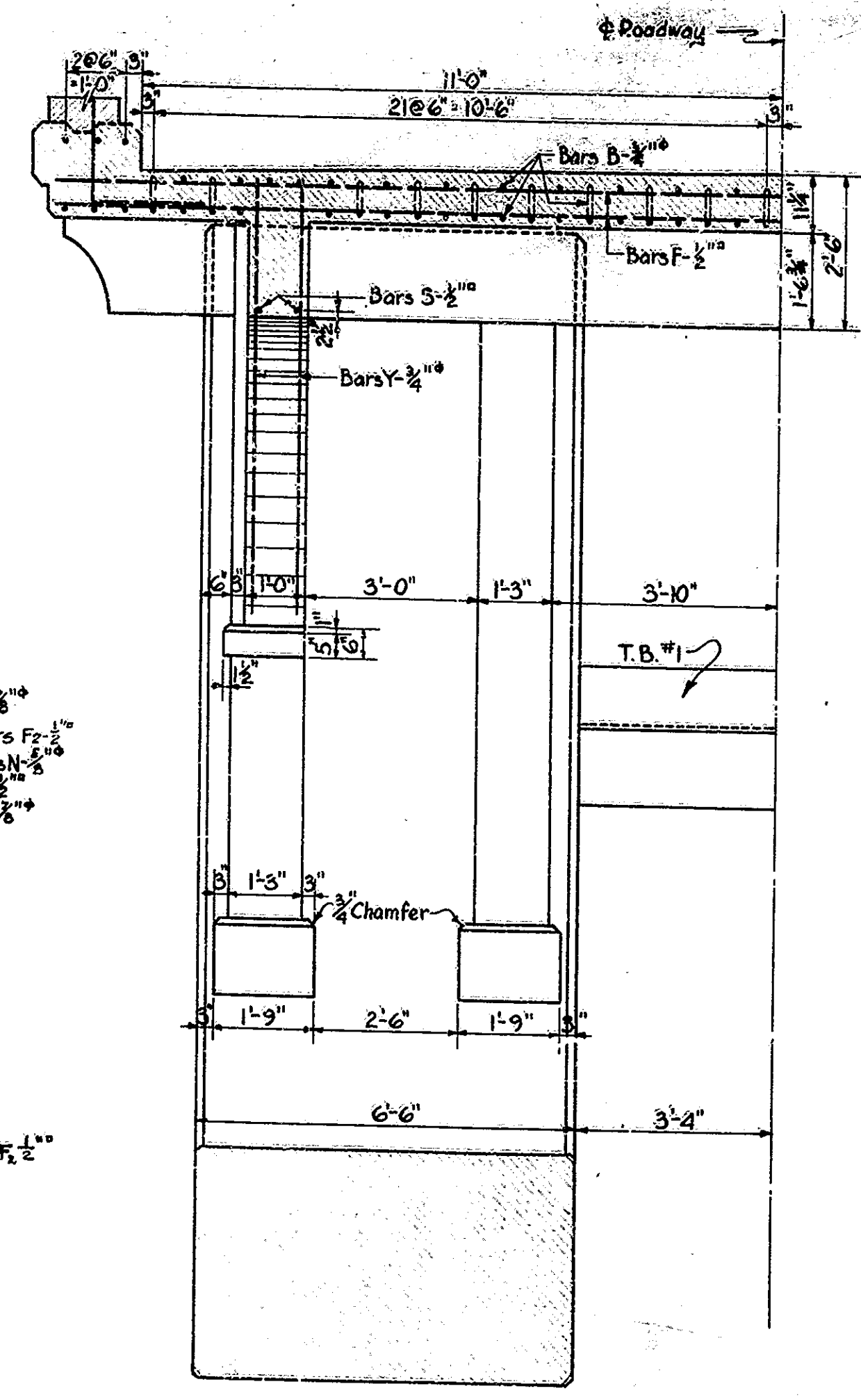
SECTION M₂-M₂



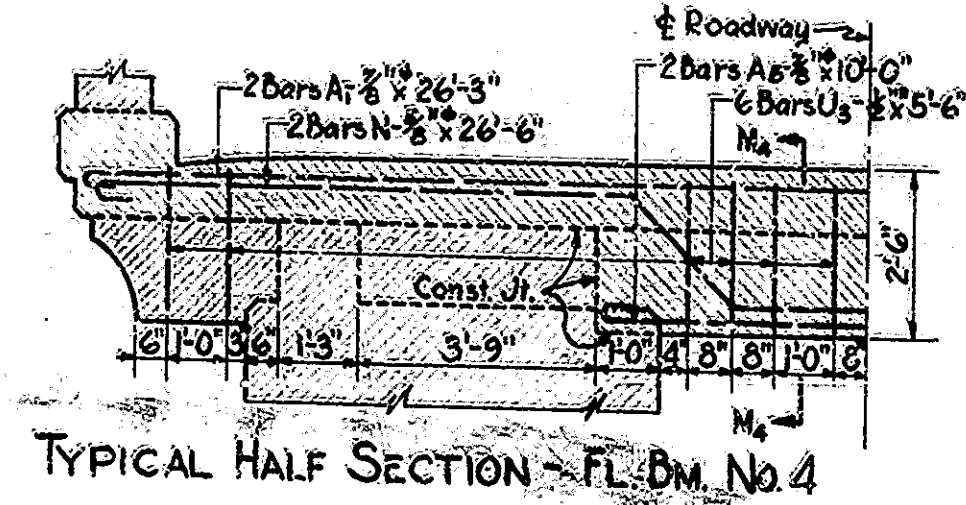
TYPICAL HALF SECTION - FL. BM. No. 3



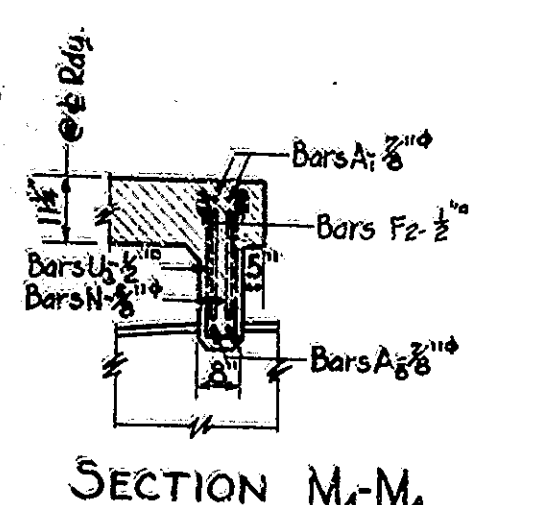
SECTION M₃-M₃



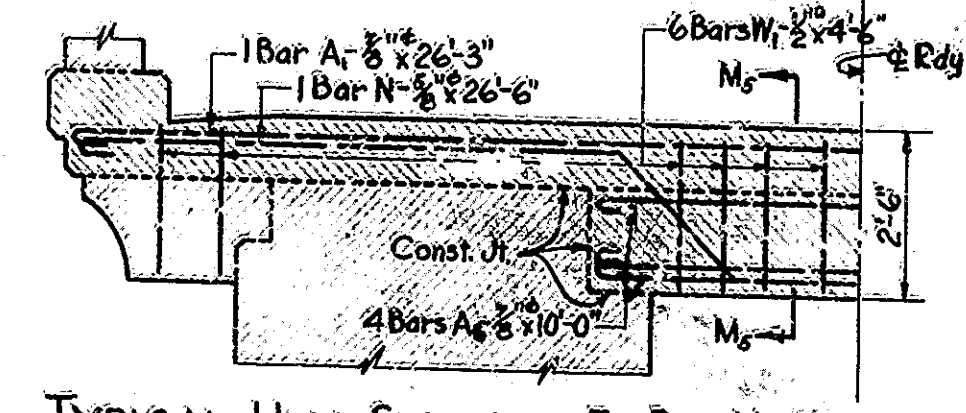
TYPICAL HALF SECTION L-L
SCALE: 1/2" = 1'-0"



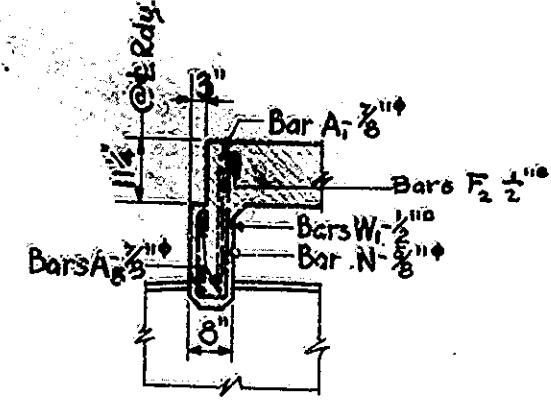
TYPICAL HALF SECTION - FL. BM. No. 4



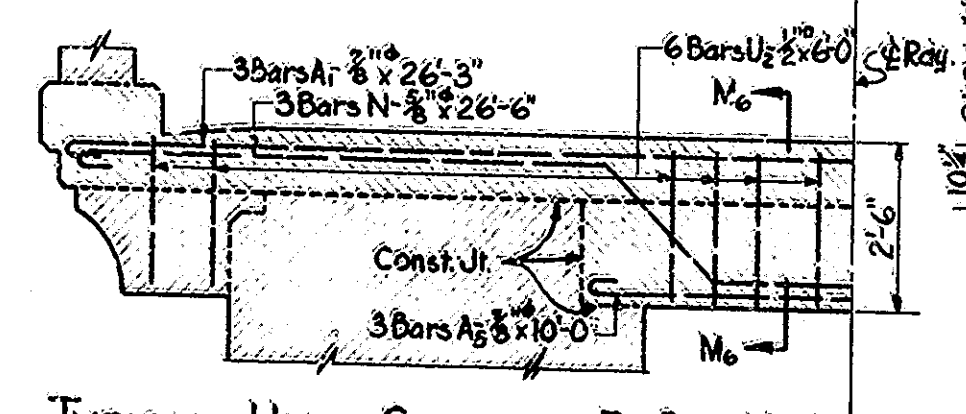
SECTION M₄-M₄



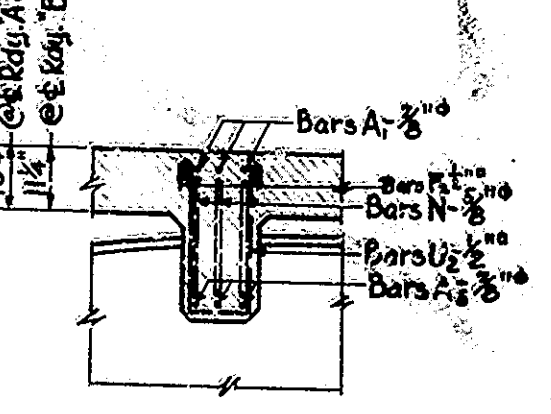
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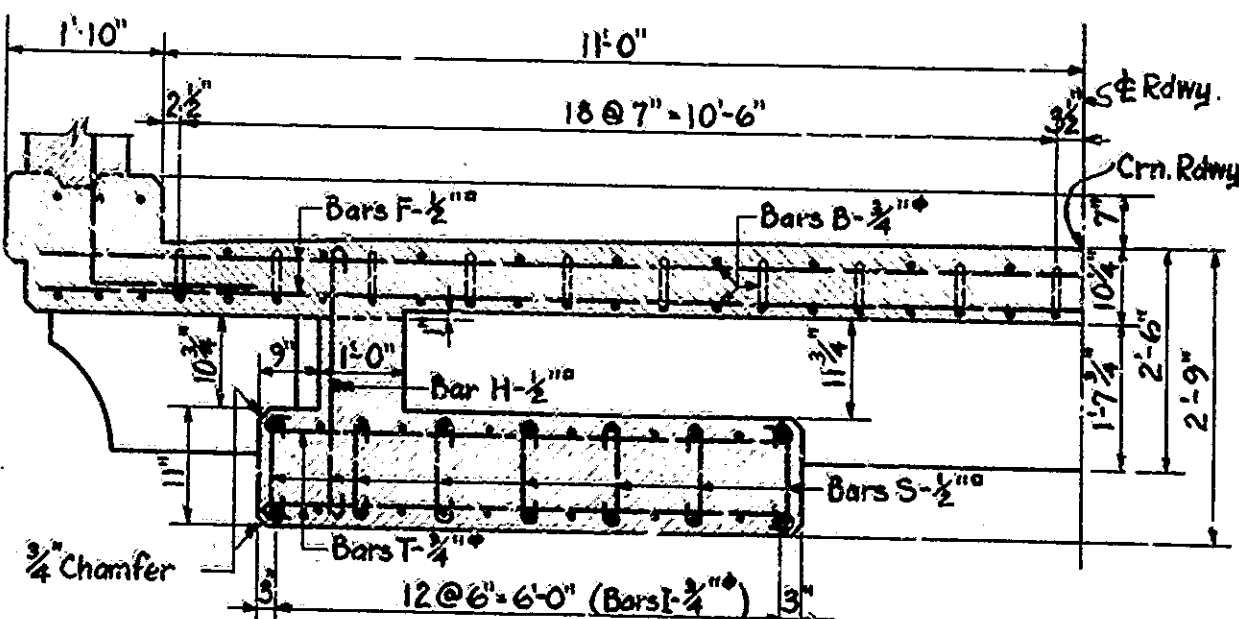
SECTION M₅-M₅



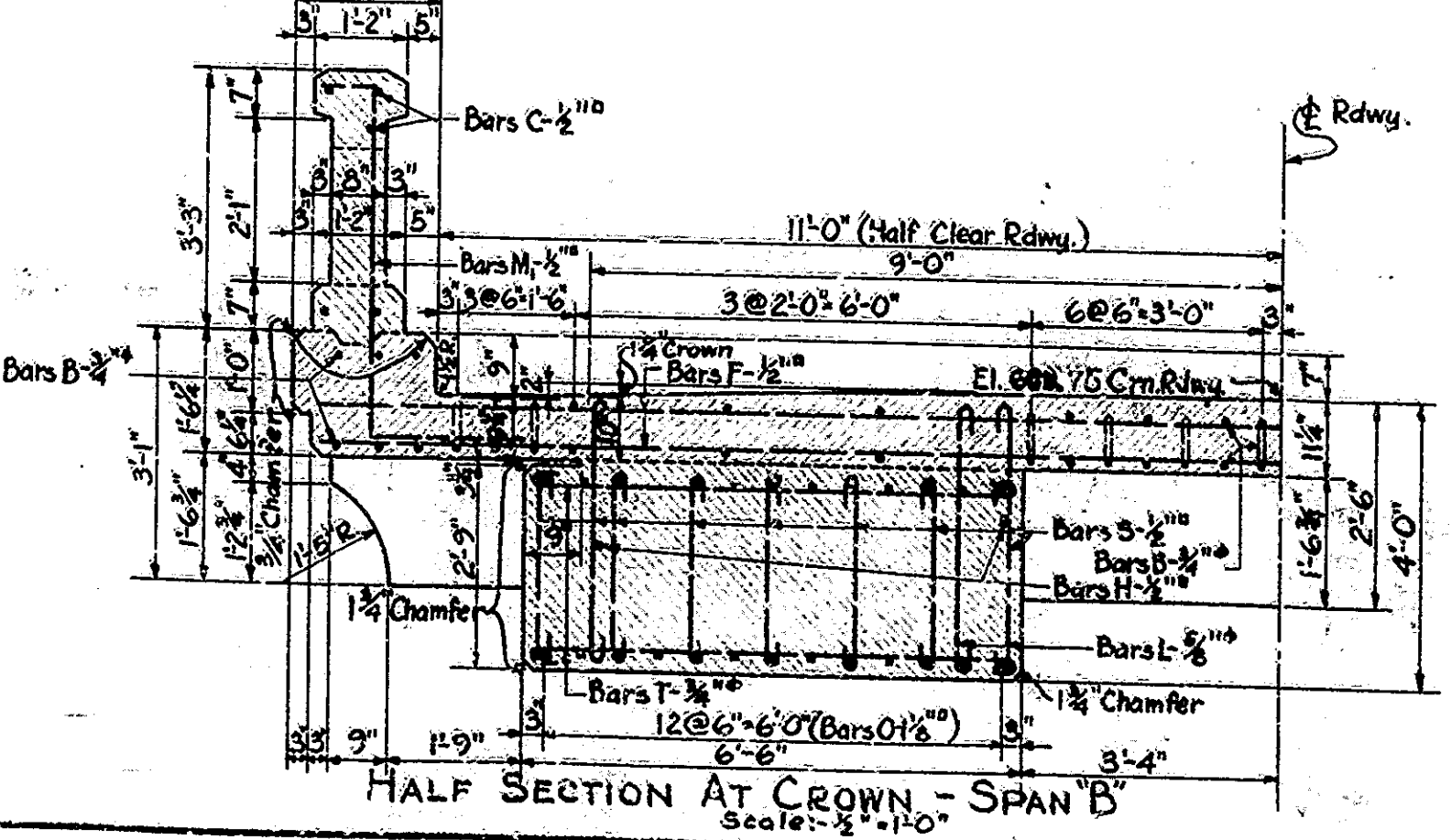
TYPICAL HALF SECTION - FL. BM. No. 6



SECTION M₆-M₆



HALF SECTION AT CROWN - SPANS A & C
SCALE: 1/2" = 1'-0"
See Half Section at Crown - Span B for all details not shown.

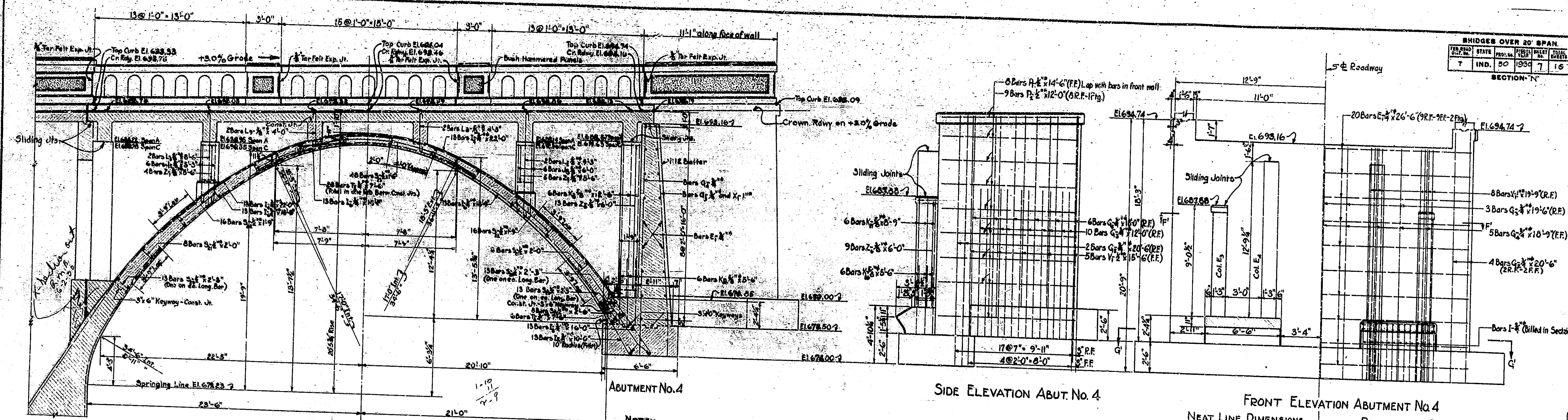


HALF SECTION AT CROWN - SPAN B
SCALE: 1/2" = 1'-0"

FLOOR BEAM SECTS. RDWY SECTS. & SPAN B ELEVATION
REINFORCED CONCRETE BRIDGE
3 SPANS - 1@47', 1@180', 1@47' 22'-0" ROADWAY
OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD - 50-N
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
SCALE: - AS NOTED JANUARY 14, 1930.
RECOMMENDED FOR APPROVAL: *Fred Kellam*
PROJECT: - 50-N STATION: - 67 + 25
DRAWING: - C5 OF 10 STRUCTURE NO. **317**
BRIDGE CONTRACT NO. 338

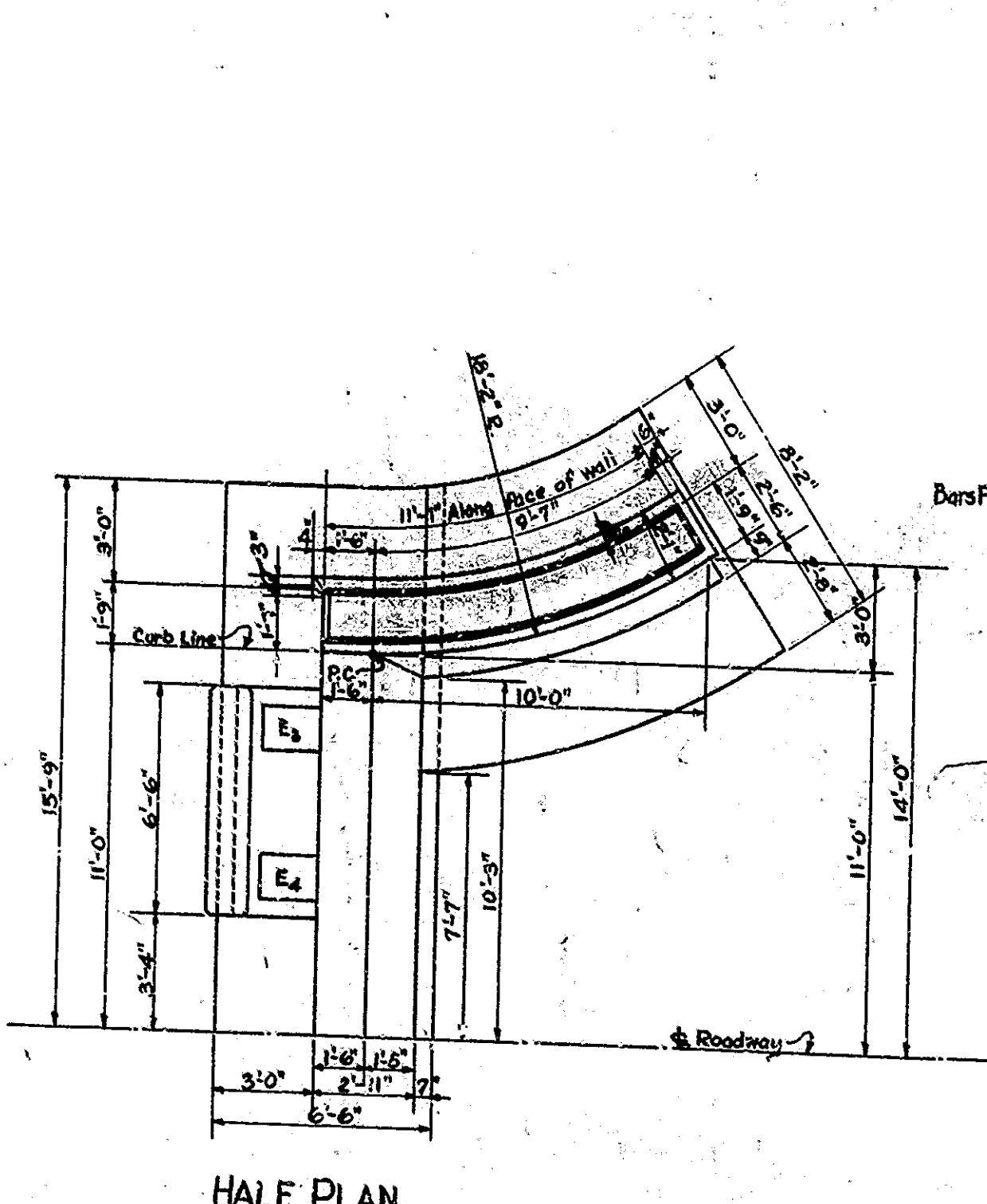
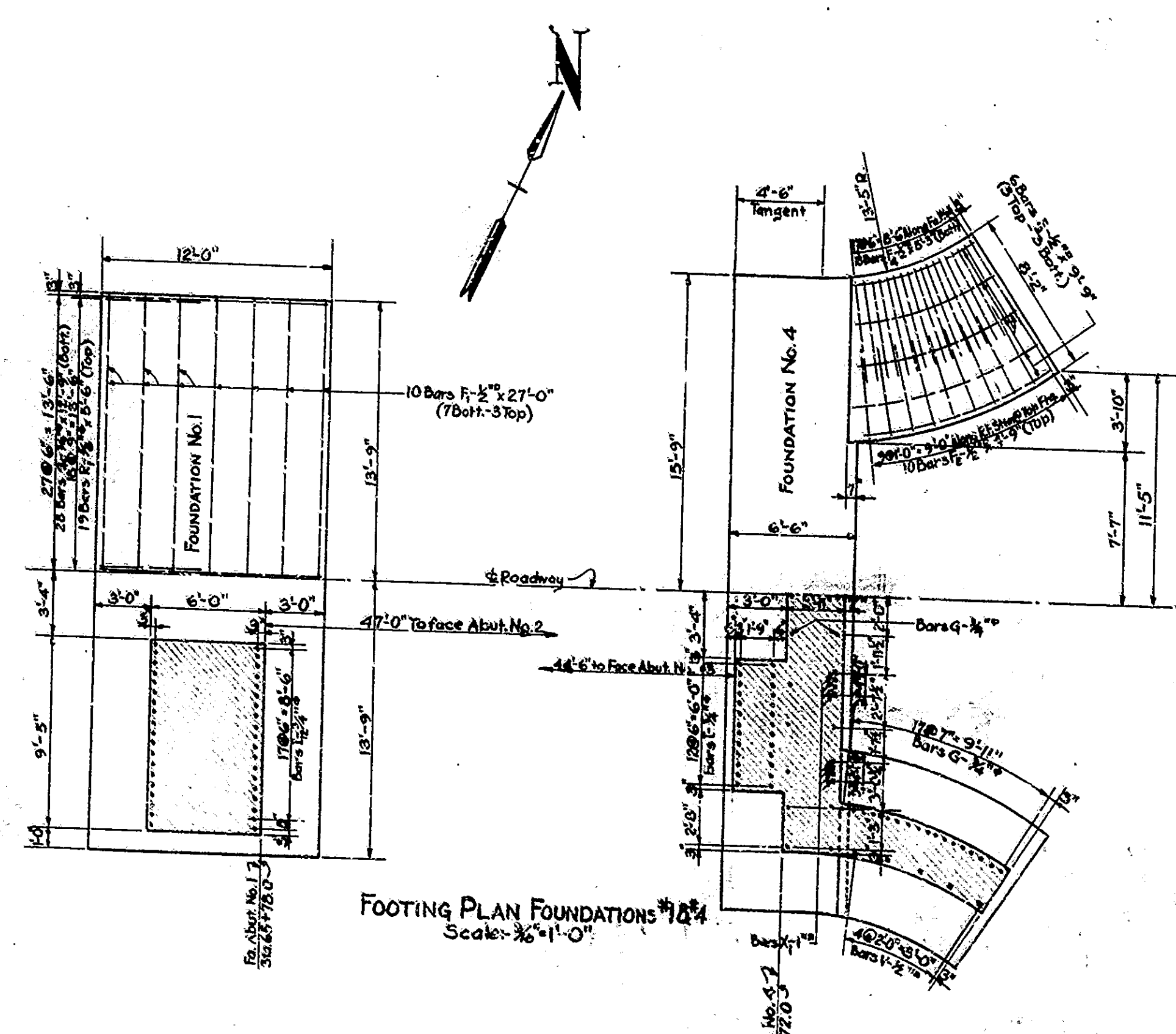
DESIGNED: CTS
DRAWN: C.B.C. 23-22 C.F.A. ADDJ-19-23
TRACEW.S.J. 12-16-29 C.F.A. ADD R. 30-29

BRIDGES OVER 20' SPAN					
NO.	STATE	DESIGN	YEAR	PIECE	DATE
7	IND.	50	1930	7	16



NOTE:-
FOOTINGS TO BE RAISED OR DESIGN CHANGED IF SATISFACTORY BEARING AND EMBEDMENT IN ROCK IS SECURED AT A HIGHER ELEVATION THAN SHOWN ON THE PLANS.

SECTION ON RIB SHOWING INSIDE COLUMNS AND ARCH RIB STEEL
See Span A for Spand. Wall, Outside Column, & Handrail Steel (Drawg. C)



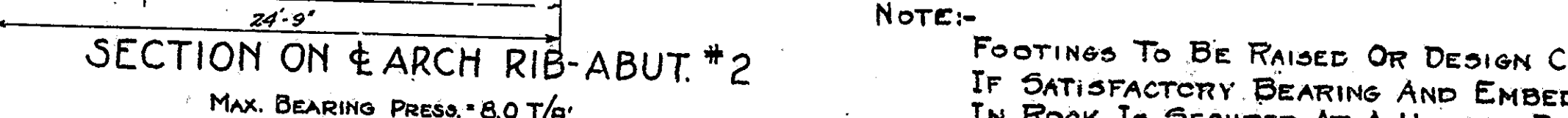
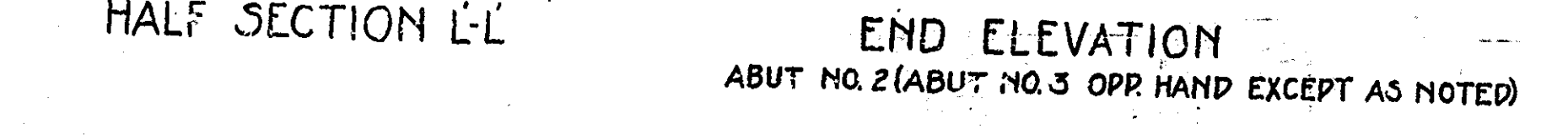
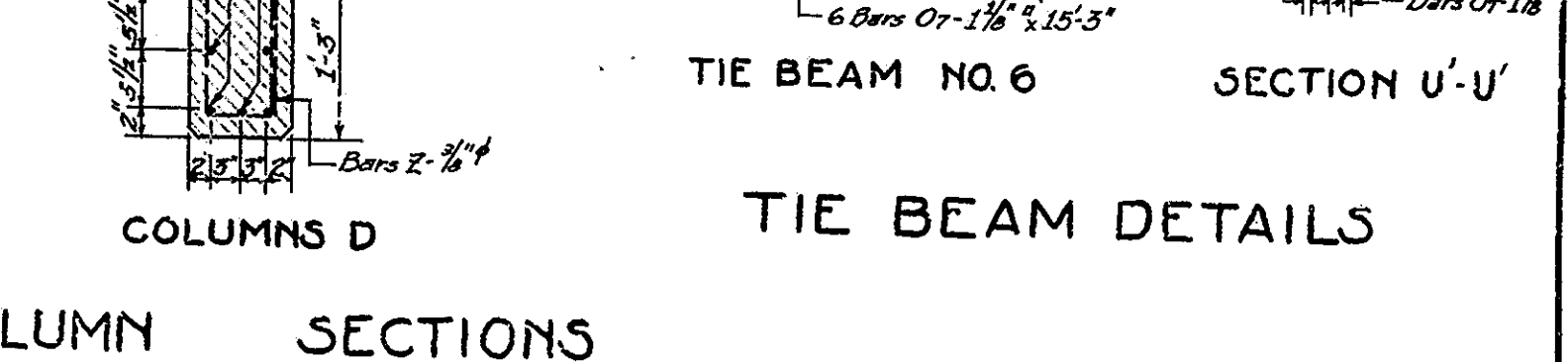
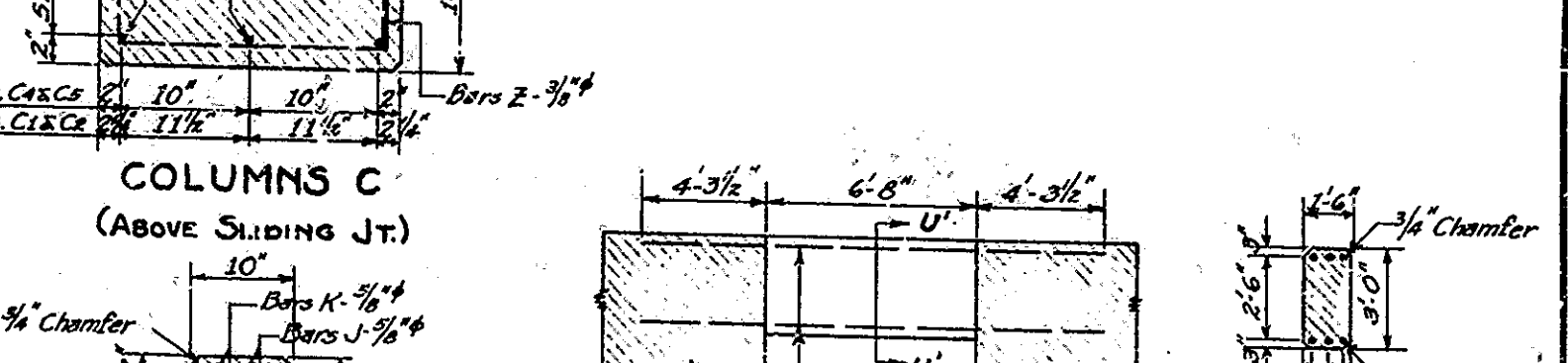
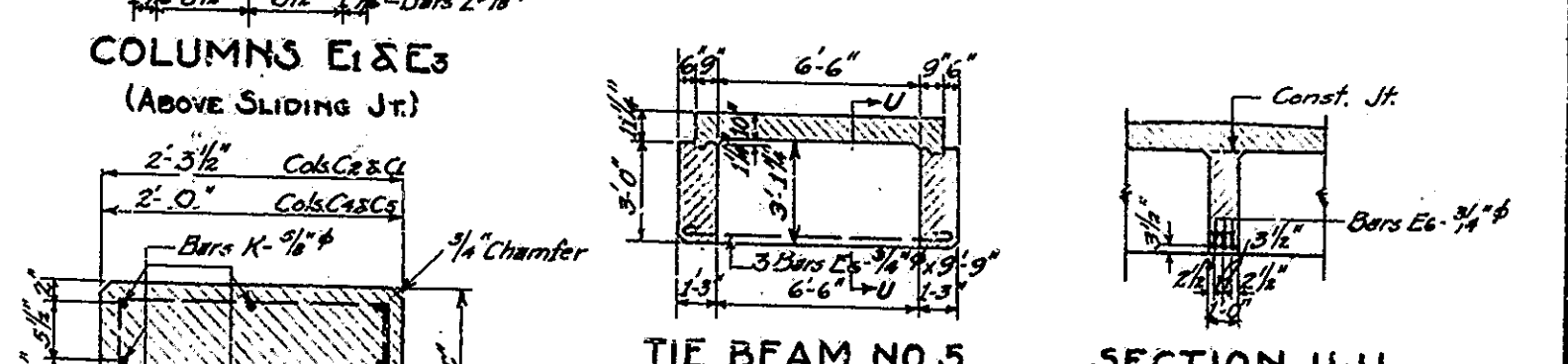
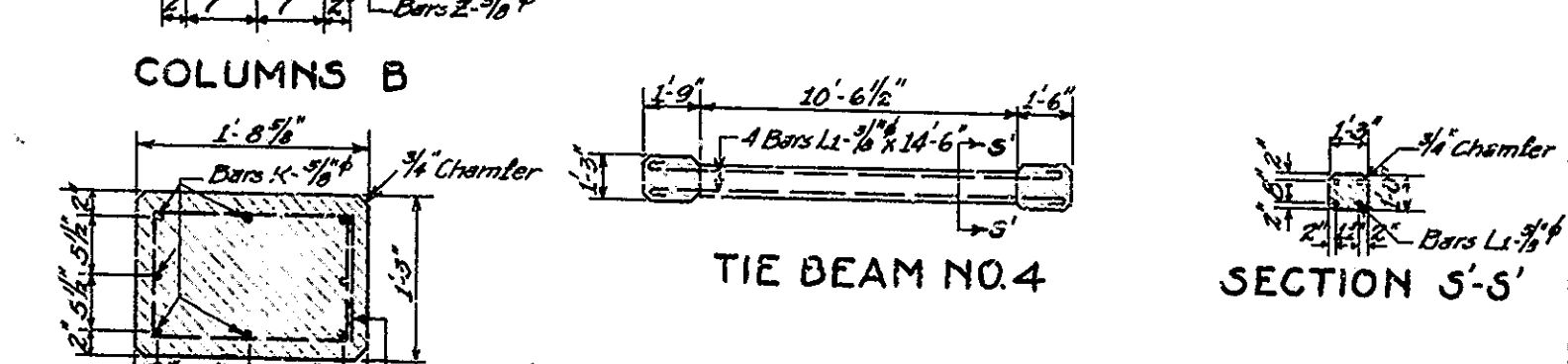
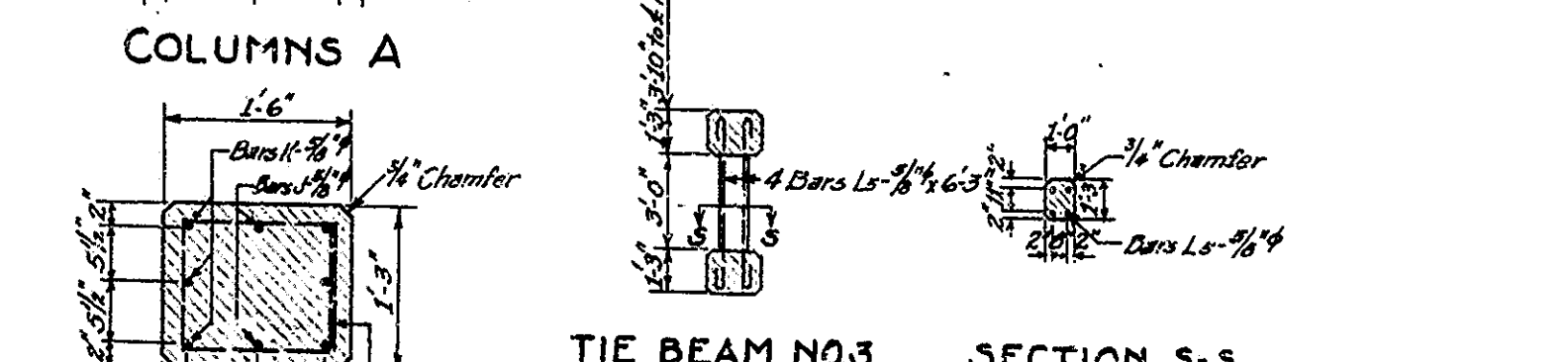
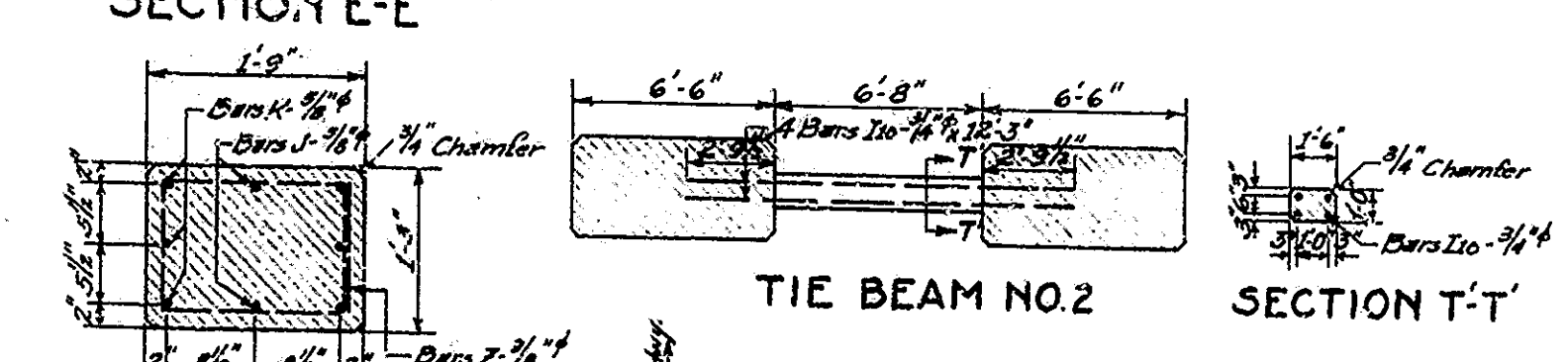
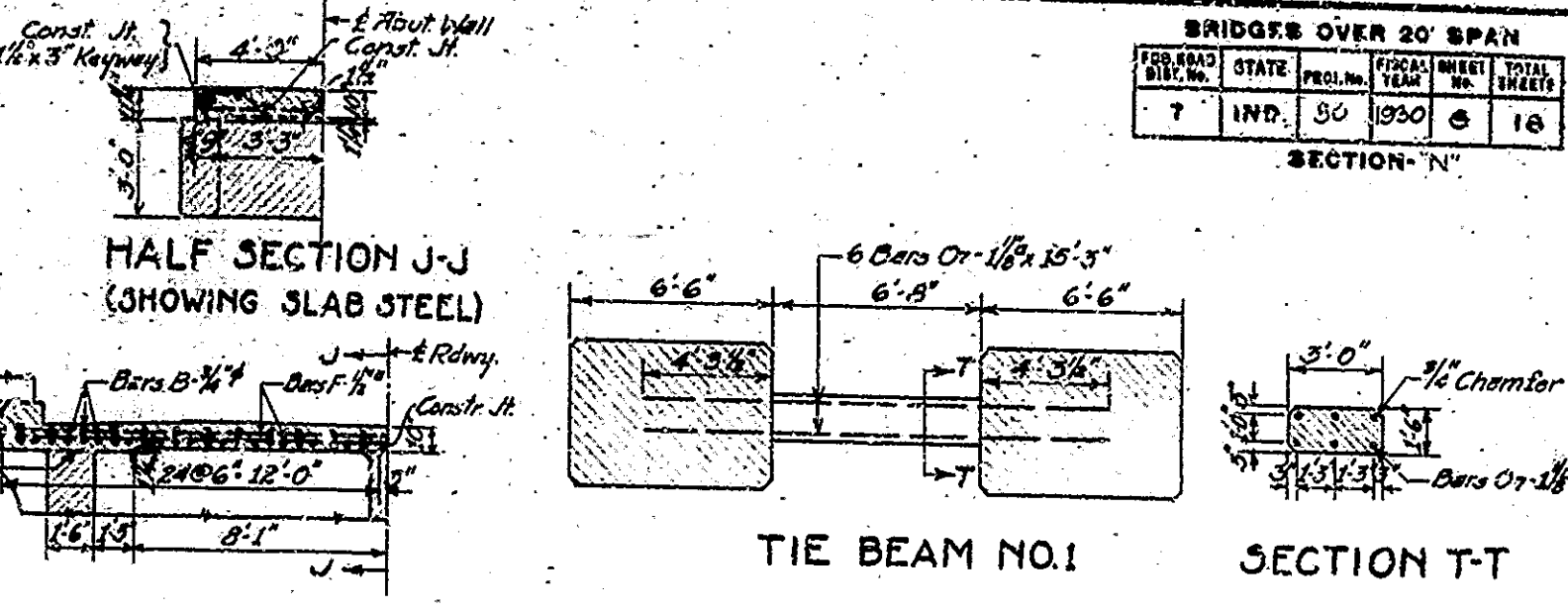
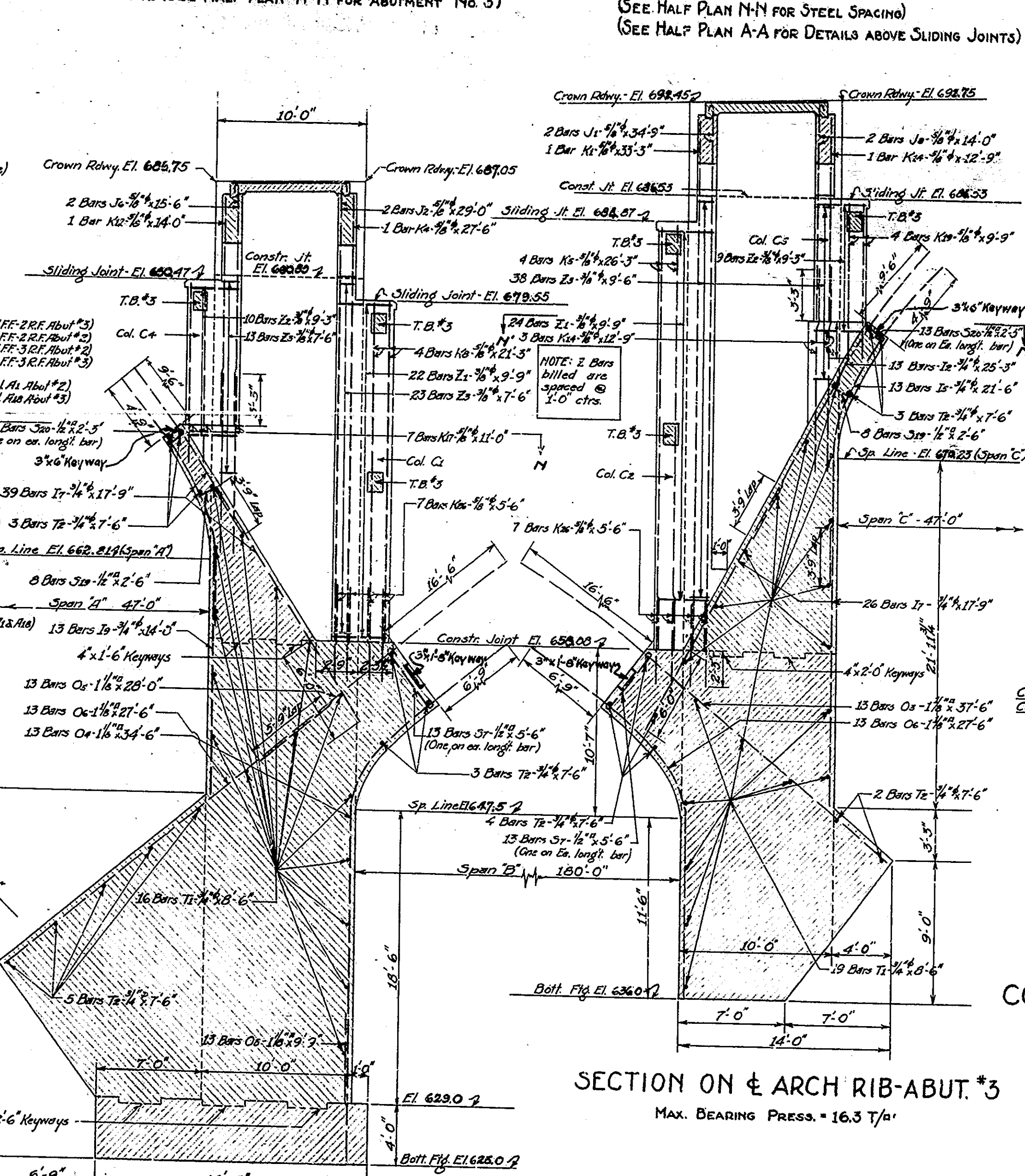
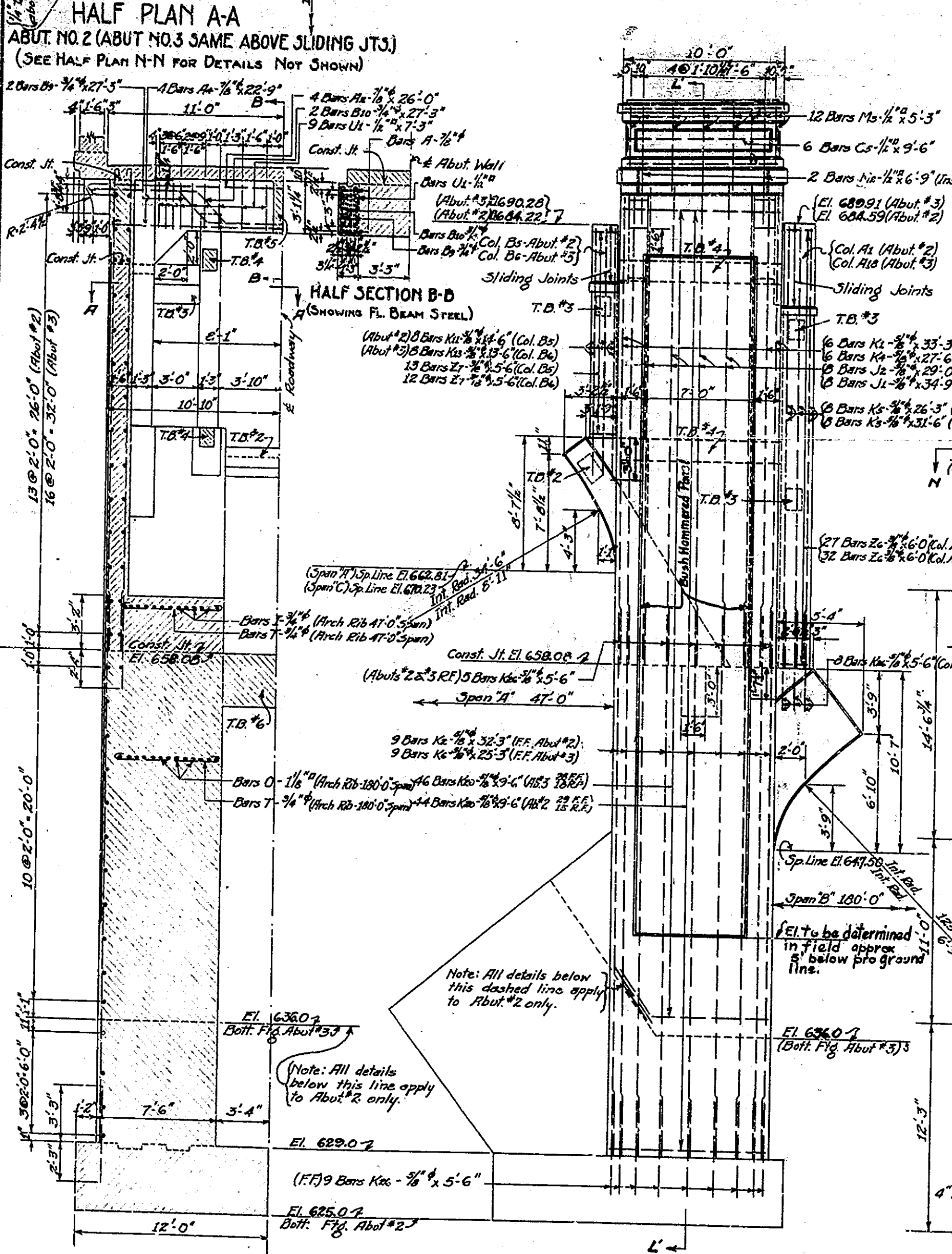
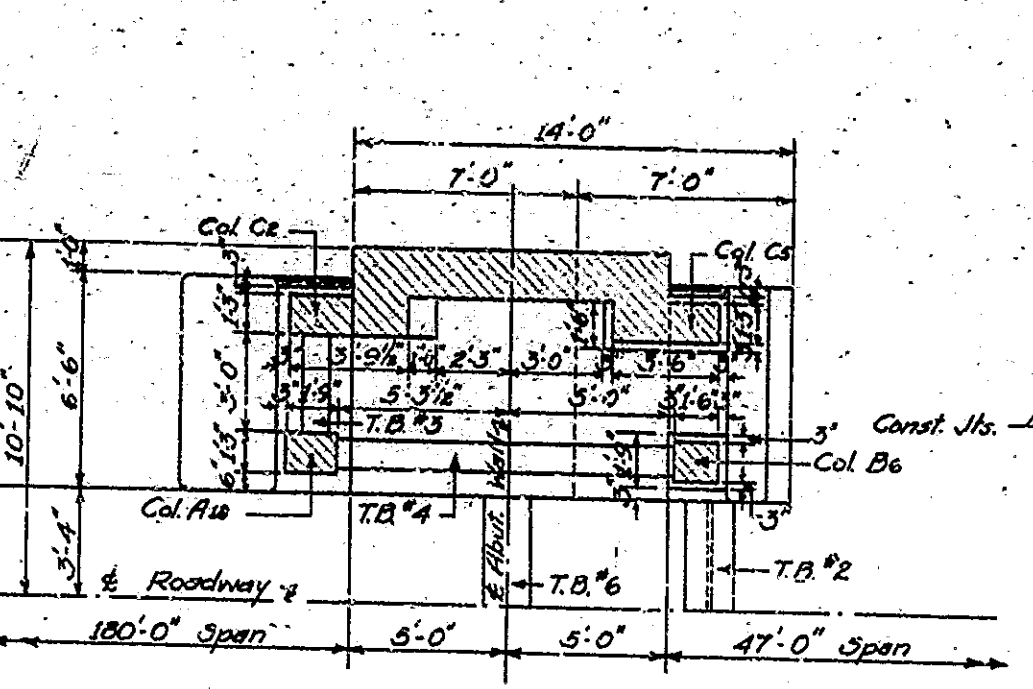
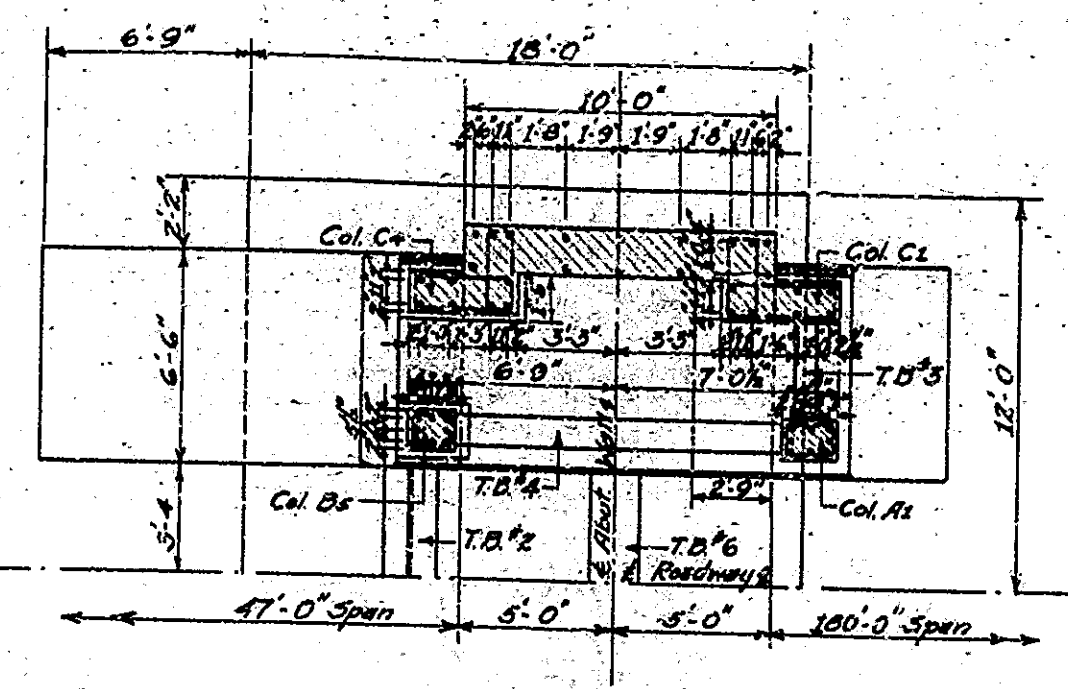
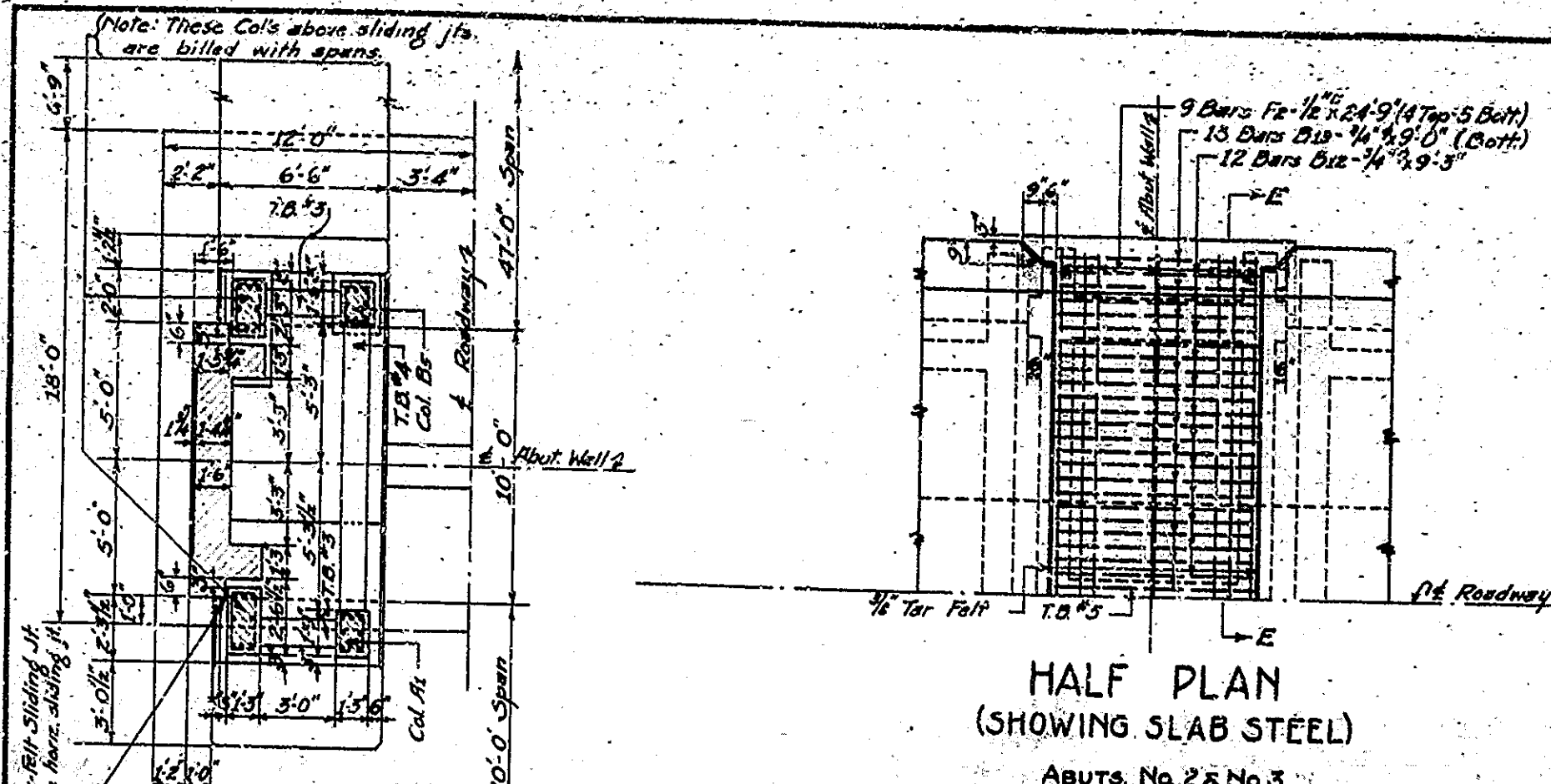
FLOOR BEAM REINFORCING STEEL
(Total in Span)

4.F.B. No.1	3 Bars A- $\frac{3}{8}$ " x 26'-3"
	3 Bars A _s - $\frac{3}{8}$ " x 24'-3"
	3 Bars N- $\frac{3}{8}$ " x 26'-6"
	22 Bars U ₂ - $\frac{3}{8}$ " x 6'-0"
2.F.B. No.6	3 Bars A- $\frac{3}{8}$ " x 26'-3"
	3 Bars A _s - $\frac{3}{8}$ " x 10'-0"
	3 Bars N- $\frac{3}{8}$ " x 26'-6"
	12 Bars U ₂ - $\frac{3}{8}$ " x 6'-0"

DETAILS SPAN C & ABUT. NO. 4
REINFORCED CONCRETE BRIDGE
3 SPANS: 1@47', 1@180', 1@47'. 22'-0" ROADWAY
OVER N. FORK MUSCATUCK RIVER ON STATE ROAD: 50-N
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
SCALE: - $\frac{1}{4}$ "=1'-0" (EXCEPT AS NOTED) JANUARY 14, 1930.
RECOMMENDED FOR APPROVAL: *Fred Keenan*
PROJECT: - 50 SECTION: - N STATION: - 67 + 25
DRAWING: - C-6 OF 10 BRIDGE CONTRACT NO. 338 STRUCTURE NO. 917

DESIGNED BY: M.C.B. 11-20-29
CHECKED BY: J.L. 12-29
DRAWN BY: J.L. 12-29

BRIDGES OVER 20' SPAN			
STATE	PROJ.	YEAR	HEET NO.
IND.	30	1930	18



COLUMN SECTIONS
SCALE: 3/8" = 1'-0"

ABUTMENTS NO. 2 & NO. 3 DETAILS
REINFORCED CONCRETE BRIDGE
3 SPANS-1@47.1@180.1@47 22'-0" ROADWAY
OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD -50-N

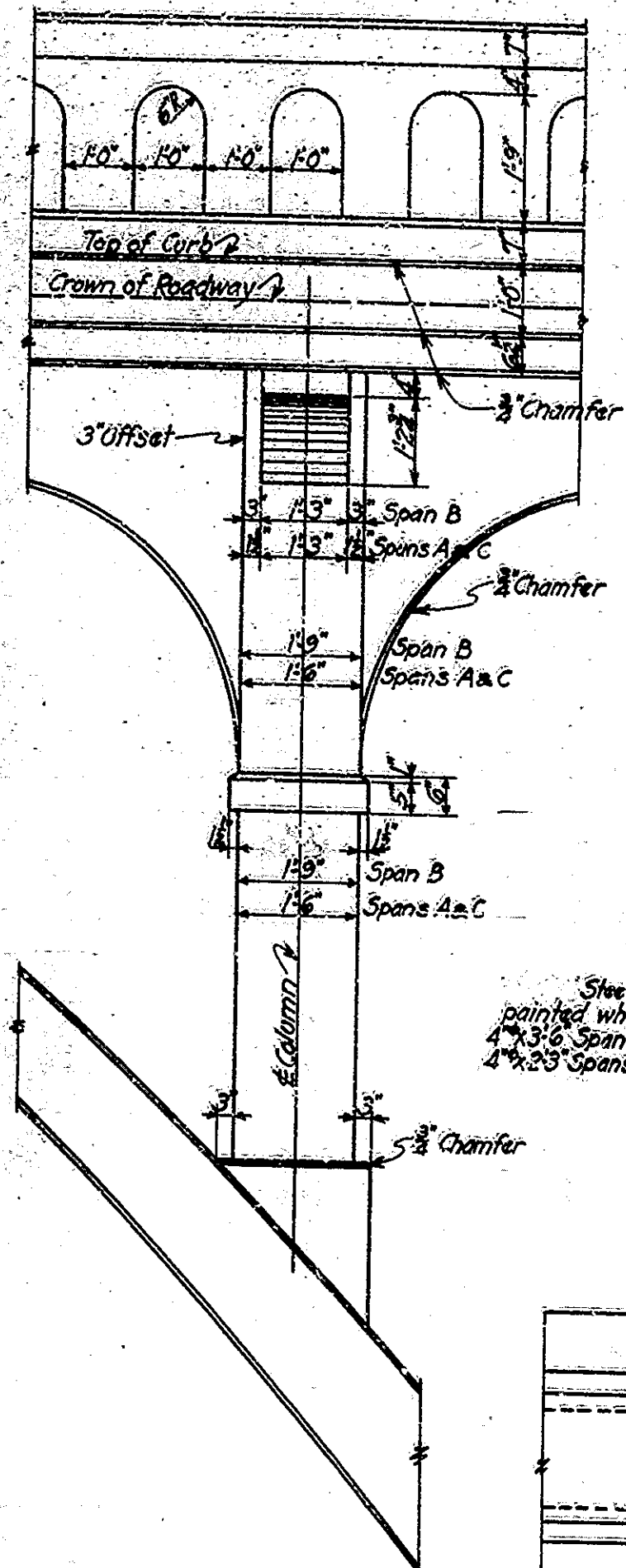
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
SCALE: 3/16" = 1'-0" EXCEPT AS NOTED JANUARY 14, 1930.
RECOMMENDED FOR APPROVAL: Fred Killam
ASST. CHIEF ENGINEER IN CHARGE OF STRUCTURES

PROJECT: -50
SECTION: -N
DRAWING: -C7 of 10
STATION: - 67 + 25
STRUCTURE NO. 917
BRIDGE CONTRACT NO. 338.

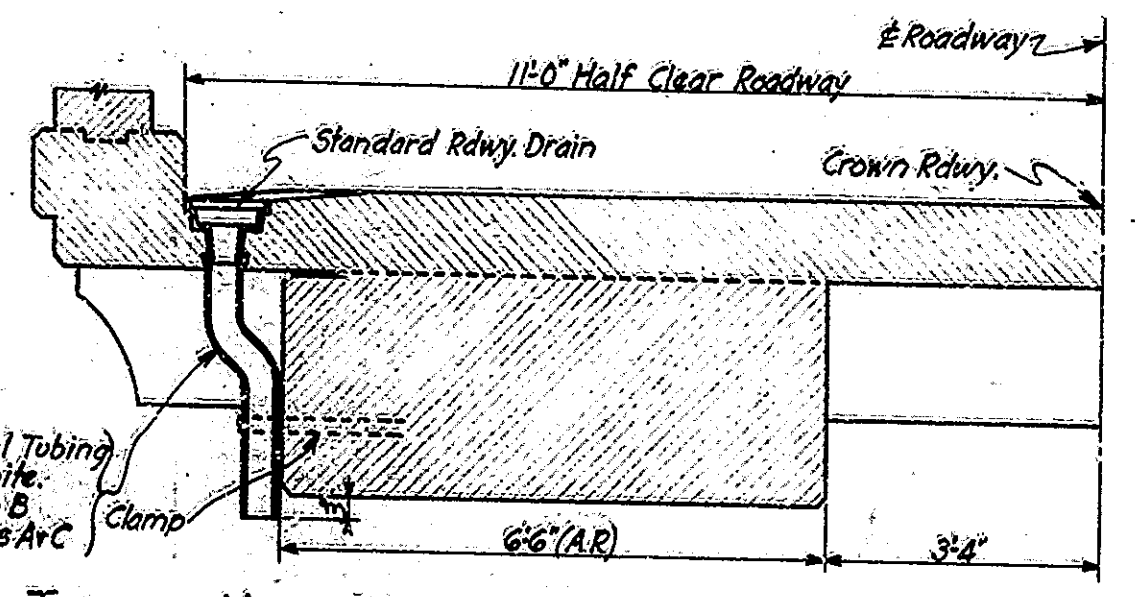
NOTE:-
FOOTINGS TO BE RAISED OR DESIGN CHANGED
IF SATISFACTORY BEARING AND EMBEDMENT
IN ROCK IS SECURED AT A HIGHER ELEVATION
THAN SHOWN ON THE PLANS.

DESIGNED: C.K.D.
DRAWN: M.R. 10-302
TRACED: F.W. 12-29-30
CHECKED: A.D. 1-7-30

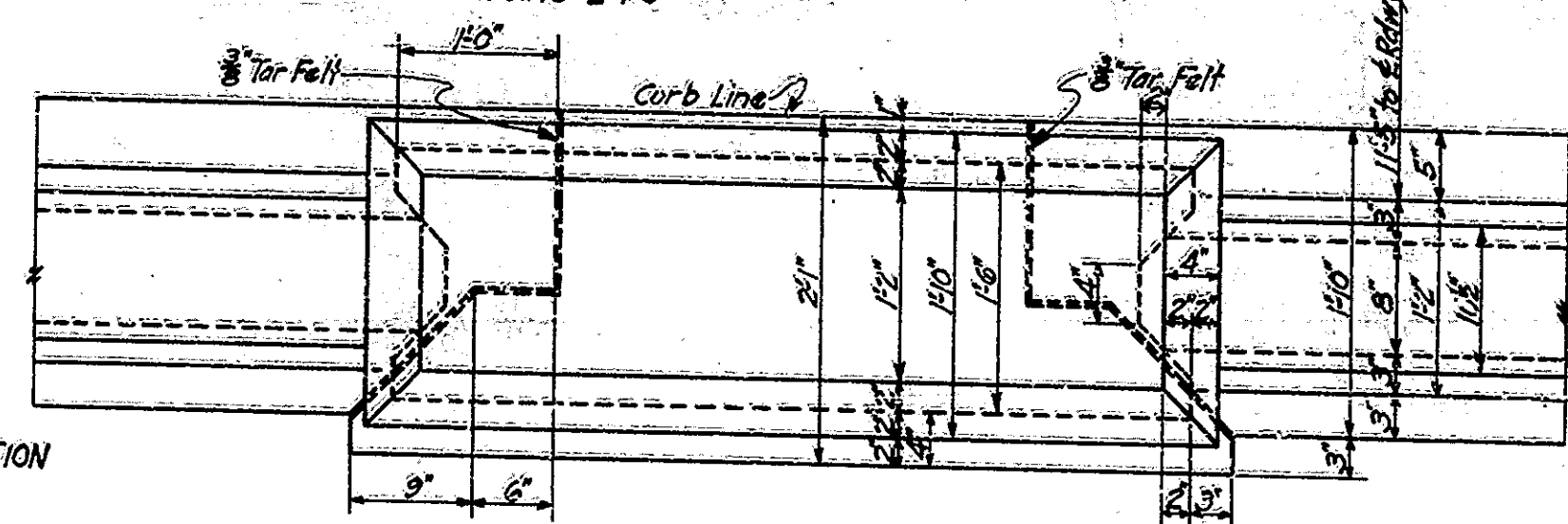
BRIDGES OVER 20' SPAN					
STATE	NO.	YEAR	SHEET NO.	TOTAL SHEETS	
IND.	50	1930	9	18	



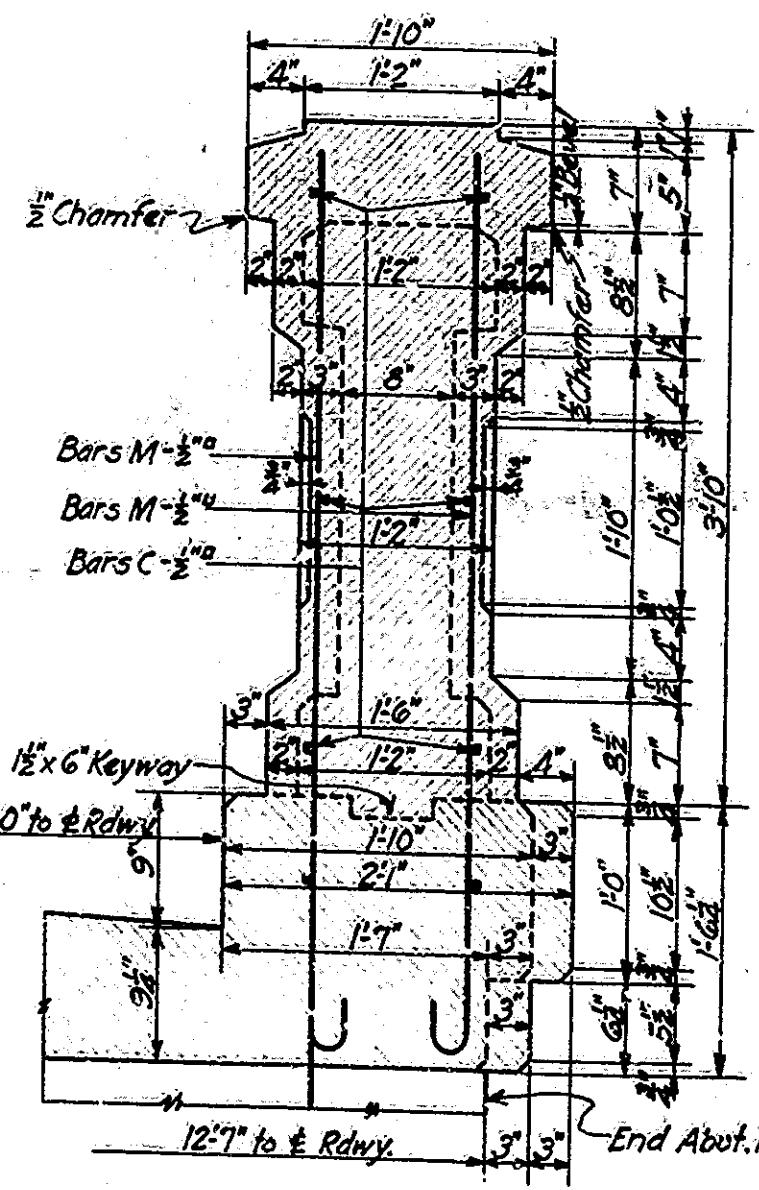
TYPICAL HANDRAIL & COLUMN ELEVATION
SCALE 1/2"=1'-0"



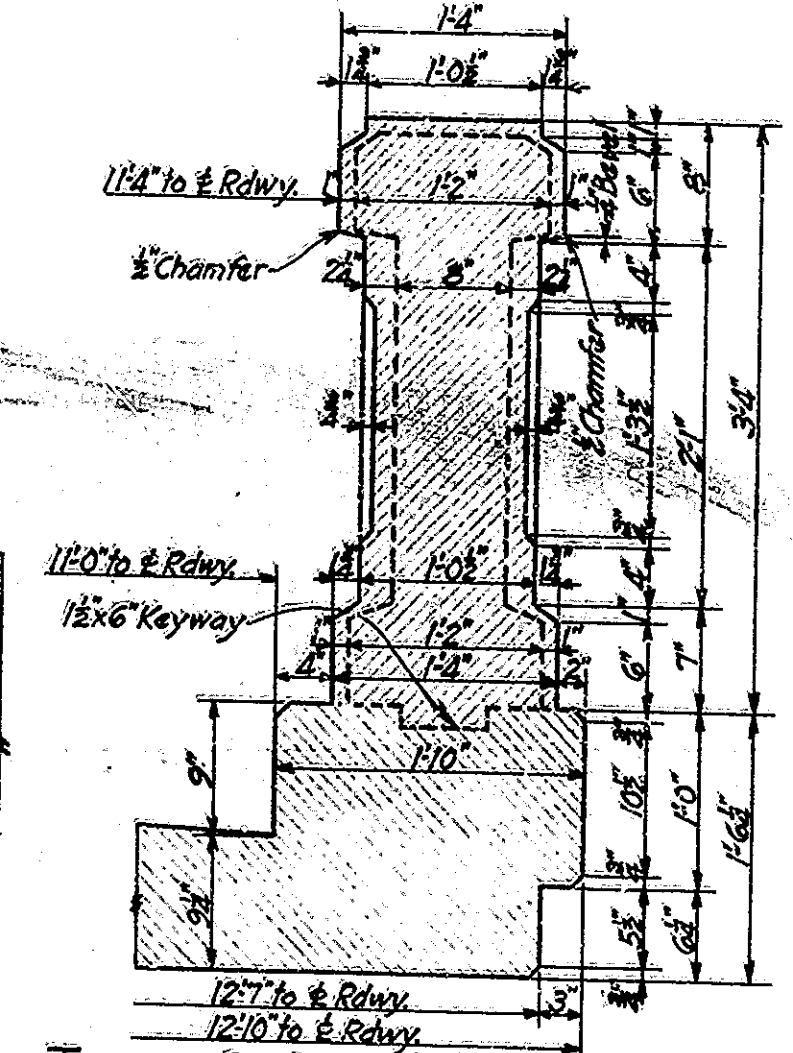
TYPICAL HALF CROSS SECTION AT CROWN
SHOWING STANDARD ROADWAY DRAINS
SCALE 1/2"=1'-0"



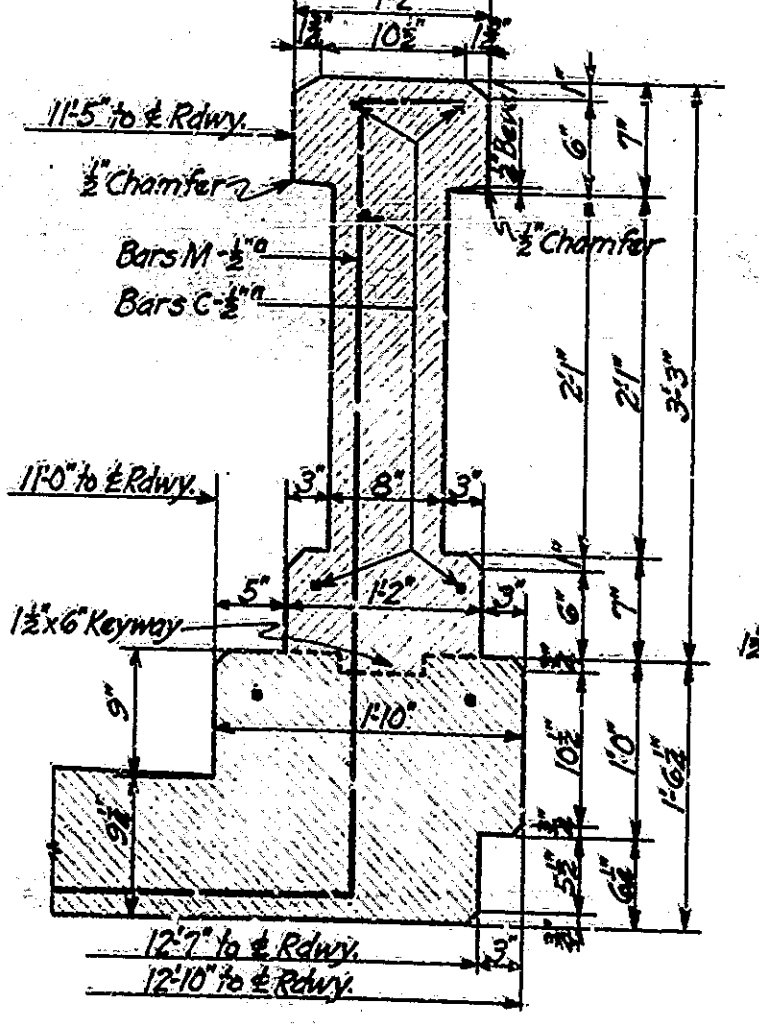
TYPICAL PLAN & ELEVATION LARGE RAIL POST
ABUTMENTS #2 & #3



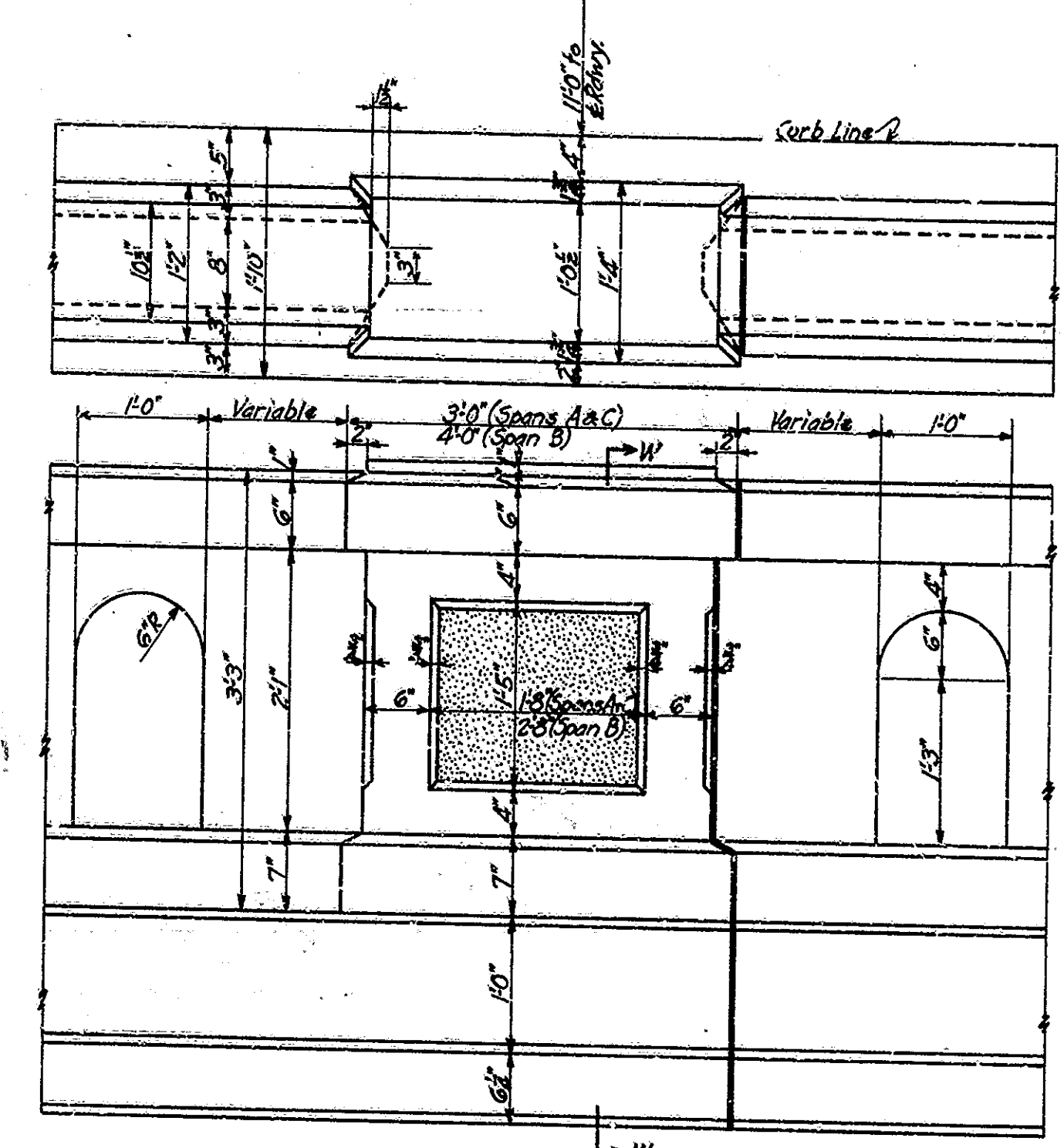
SECTION Y-Y



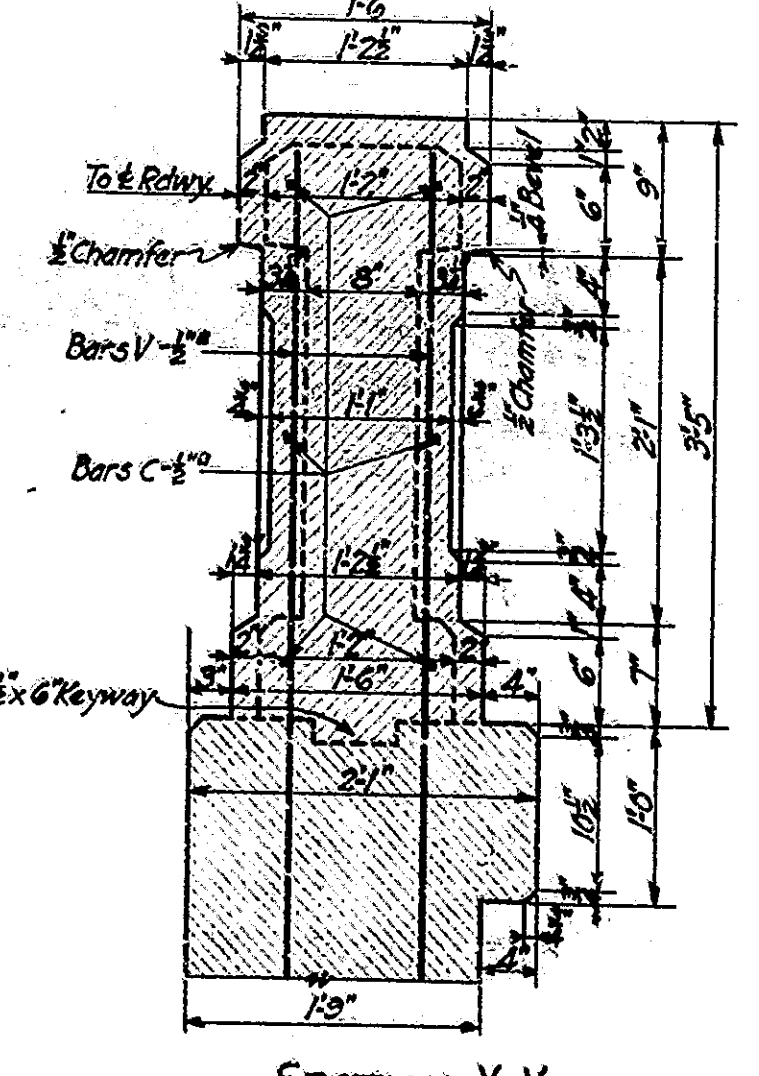
TYPICAL SECTION W-W - SMALL RAIL POST
REINF. STEEL SAME AS SECTION Z-Z



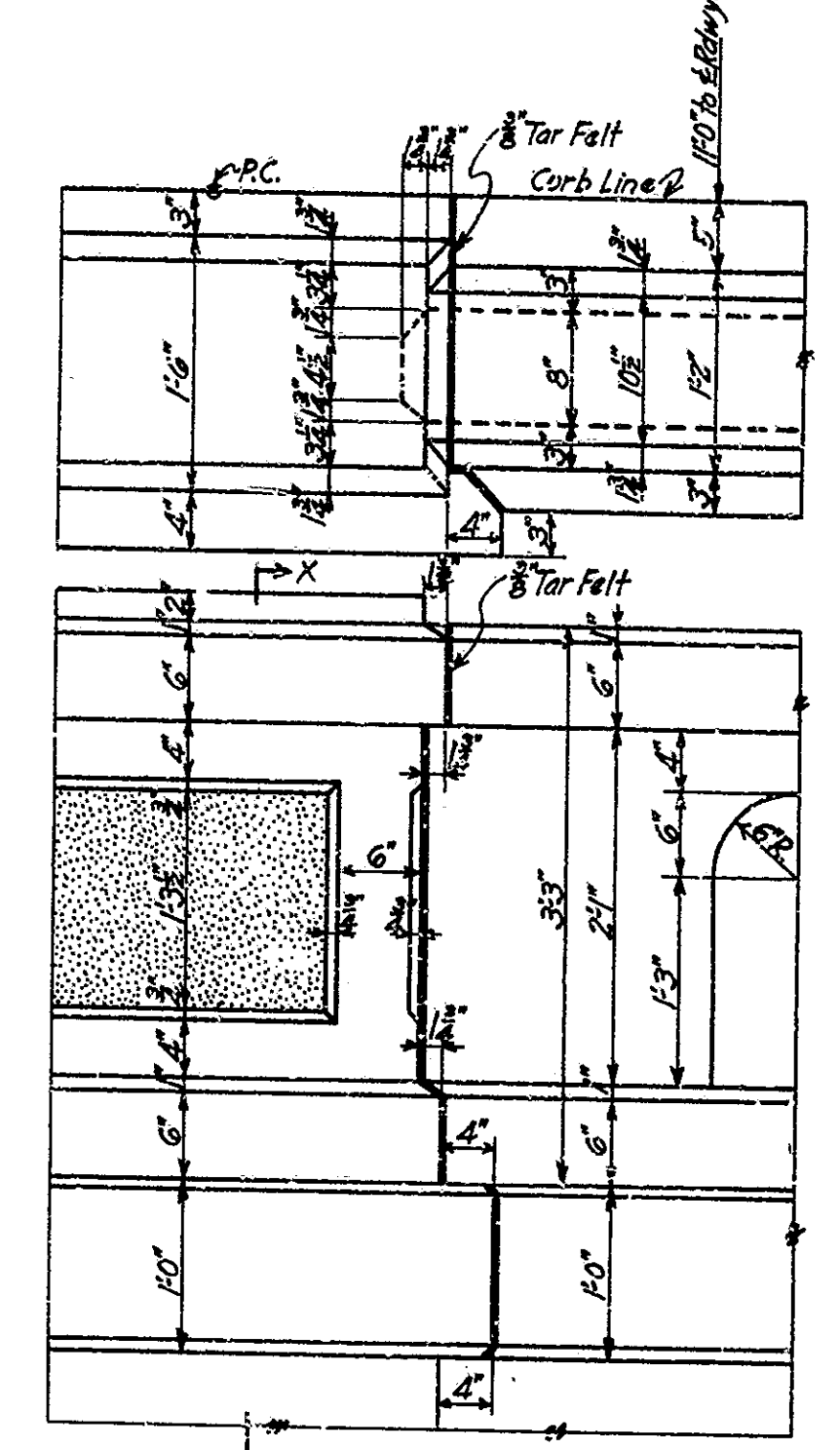
SECTION Z-Z
TYPICAL HANDRAIL SECTION
OVER SPANS



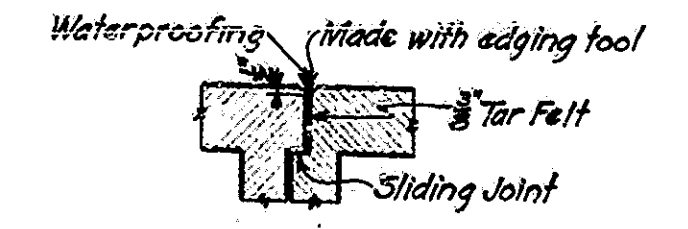
TYPICAL PLAN & ELEVATION SMALL RAIL POST



SECTION X-X
TYPICAL HANDRAIL SECTION
OVER ABUTMENTS #1 & #4



TYPICAL PLAN & ELEVATION EXPANSION JOINT
IN HANDRAIL AT FACE ABUTMENT #1 & #4



TYPICAL EXP. JT. DETAIL THRU
RDWY. SLAB

HANDRAIL & MISCELLANEOUS DETAILS
REINFORCED CONCRETE BRIDGE
 3 SPANS: - 1@47', 1@180', 1@47'. 22'-0" ROADWAY
 OVER N. FORK MUSCATATUCK RIVER ON STATE ROAD: - 50-N
INDIANA STATE HIGHWAY COMMISSION
JENNINGS COUNTY
 SCALE: - 1/2"=1'-0" EXCEPT AS NOTED
 RECOMMENDED FOR APPROVAL: *Fred Kellam* JANUARY 14, 1930.
 PROJECT: - 50
 SECTION: - N
 DRAWING: - C 6 OF 10
 BRIDGE CONTRACT NO. 338
 STATION: - 67 + 25
 STRUCTURE NO. **917**

DESIGNED BY: C.W.D.
 DRAWN BY: S.C. & C.W.D.
 CHECKED BY: H.O.S. 12-23-29
 TRACER: H.O.S. 12-23-29

