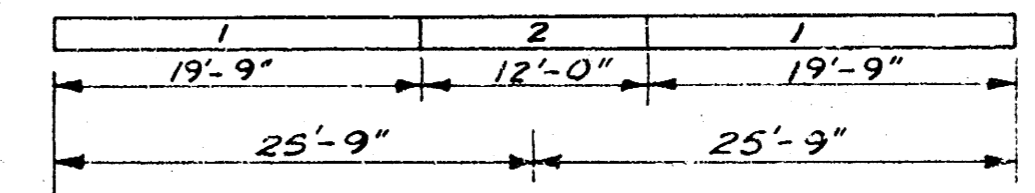


1-13-4-1

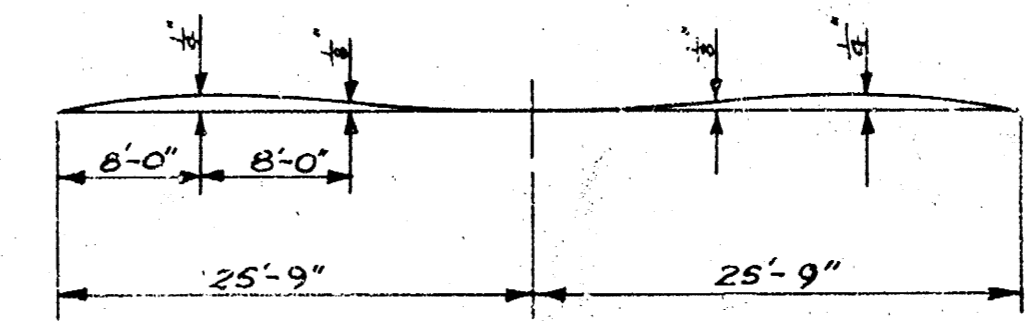
Total waterway provided 430 sq. ft.
 $f_s = 20,000$ p.s.i. $f_c = 3000$ p.s.i. $f_c = 1000$ p.s.i.
 AASHTO H20-516-44 Loading

NOTE: All Piling, Timbers & Planks removed from present bridge to be Delivered to City Material Yard.

Pvt. Crown Details



Sequence of Placing Superstructure Conc.

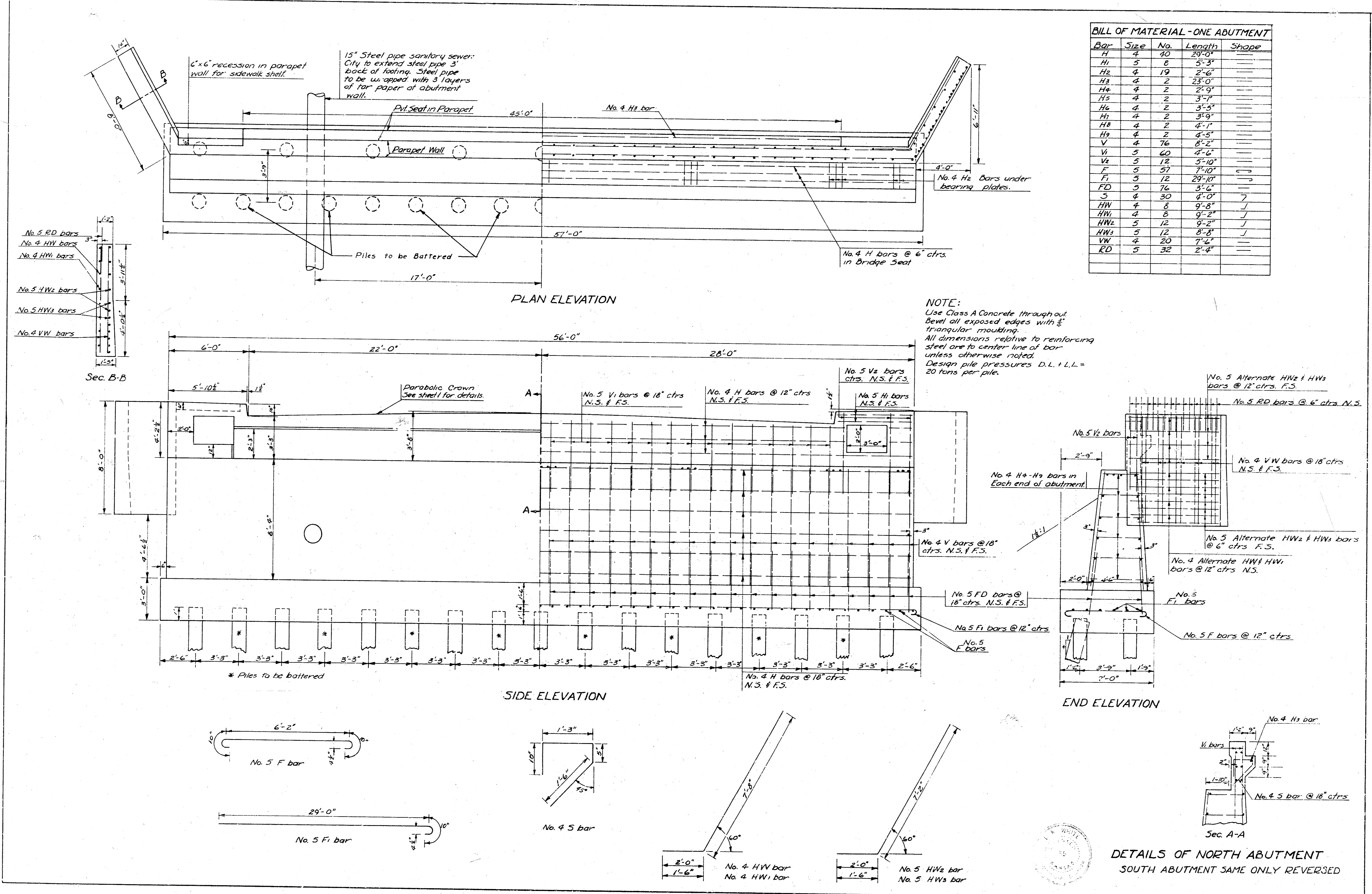


Camber Diagram

	Excavation		Concrete		Steel - Lbs.		Timber		Pile Points Each	Lgh. Pile
	Class I	Class II	Class A	Class D	Form	Expan.	Almq	Uolfr.		
North Abutment	275.0		123.8		3340	587	780		26	30'
South Abutment	275.0		123.8		3340	587	780		26	30'
Pier			68.0	37.3	5972		500		20	25'
Superstructure				125.5	23148	1022				
Hand rail					6.9	931				
Total	598.0	68.0	410.4	6.9	36771	2196	2360		72	

25'-25' RC DECK GIRDER BRIDGE
 MOSLEY AVE & CHISHOLM CREEK
 WICHITA, KANSAS
 L.K. WHITE
 MARCH 1951
 CITY ENGINEER

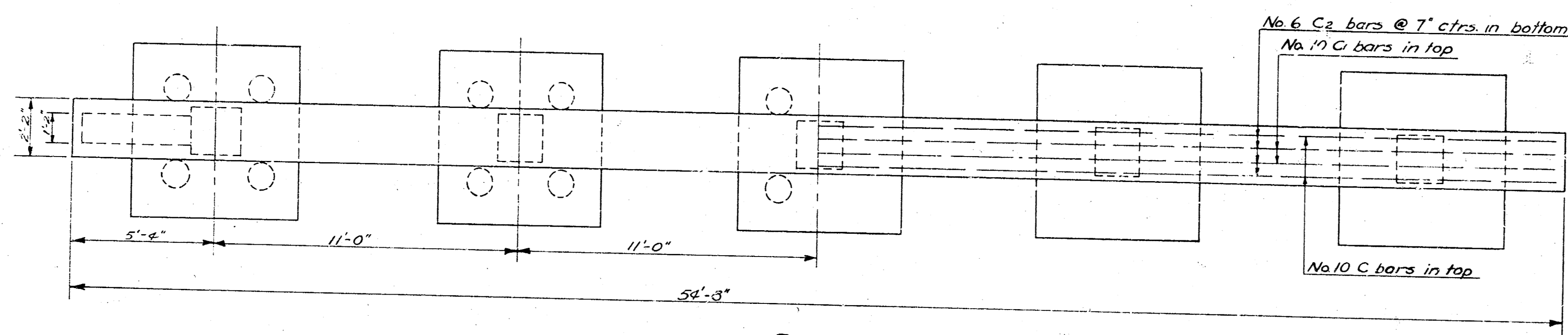




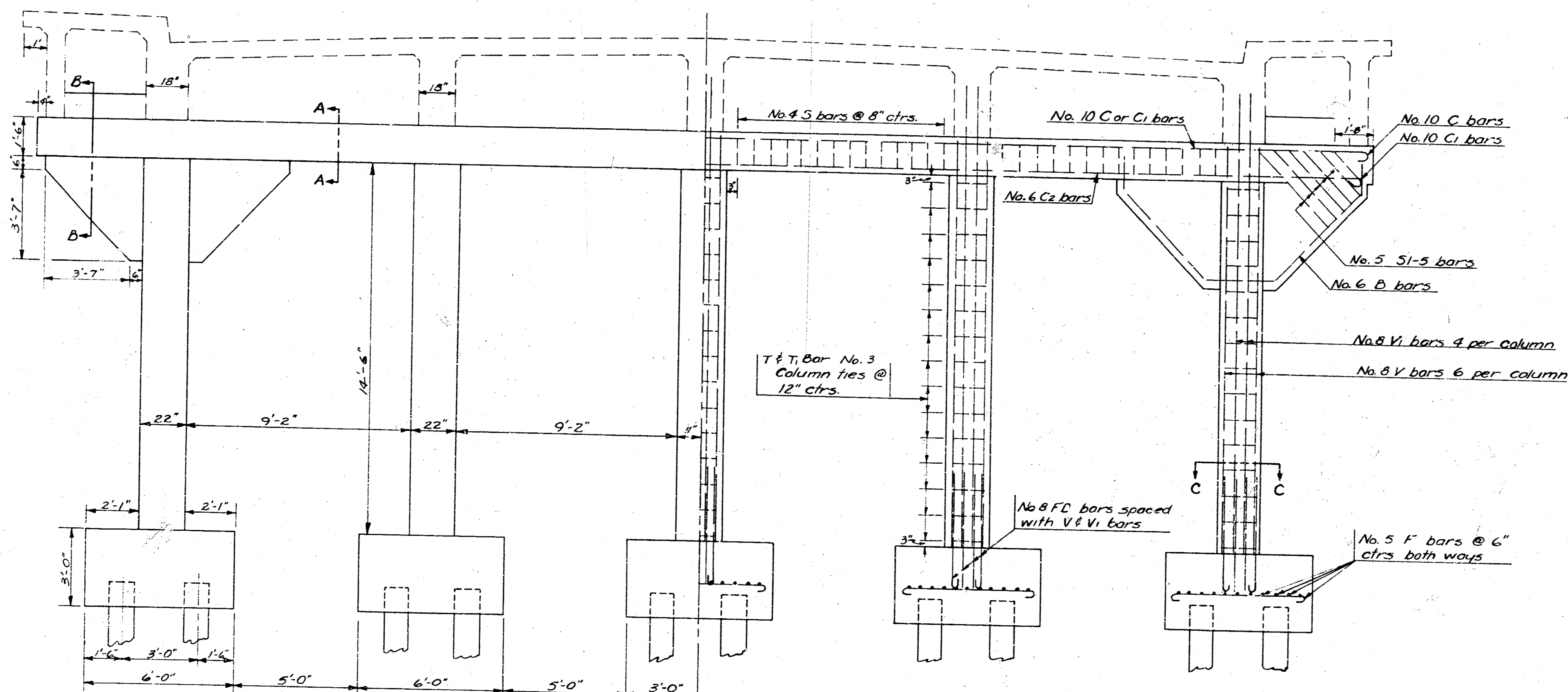
BILL OF MATERIAL - ONE ABUTMENT

Bar	Size	No.	Length	Shape
H ₁	4	40	29'-0"	---
H ₂	5	8	5'-3"	---
H ₃	4	19	2'-6"	---
H ₄	4	2	23'-0"	---
H ₅	4	2	2'-9"	---
H ₆	4	2	3'-5"	---
H ₇	4	2	3'-5"	---
H ₈	4	2	4'-1"	---
H ₉	4	2	4'-5"	---
V	4	76	8'-2"	---
V ₁	5	60	4'-6"	---
V ₂	5	12	5'-10"	---
F	5	37	7'-0"	---
F ₁	5	12	29'-10"	---
FD	5	76	3'-6"	---
S	4	30	4'-0"	J
HW	4	8	9'-8"	J
HW ₁	4	8	9'-2"	J
HW ₂	5	12	9'-2"	J
HW ₃	5	12	8'-8"	J
VW	4	20	7'-2"	---
RD	5	32	2'-4"	---

NOTE:
Use Class A Concrete throughout.
Bevel all exposed edges with 3/8" triangular mauling.
All dimensions relative to reinforcing steel are to center line of bar unless otherwise noted.
Design pile pressures D.L. + L.L. = 20 tons per pile.

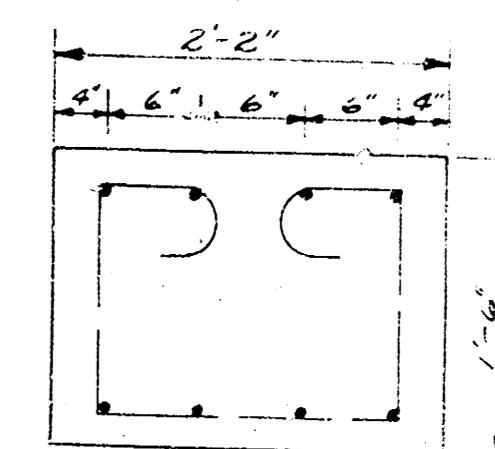


PLAN VIEW

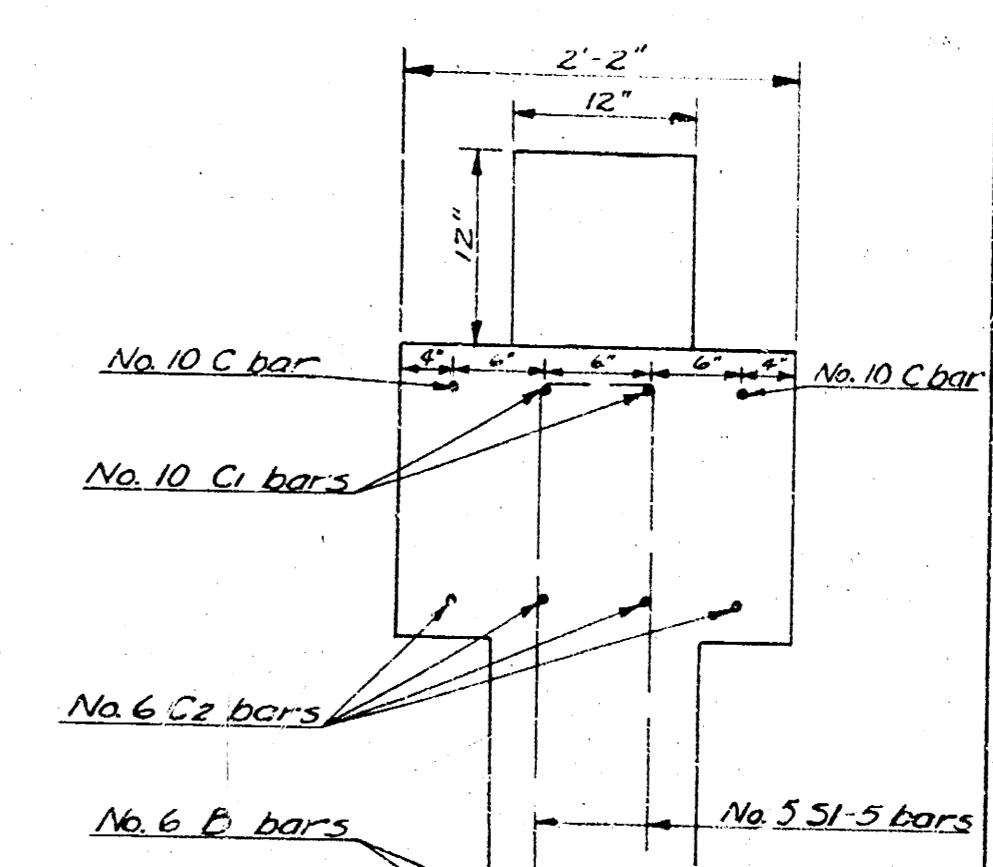


SIDE ELEVATION

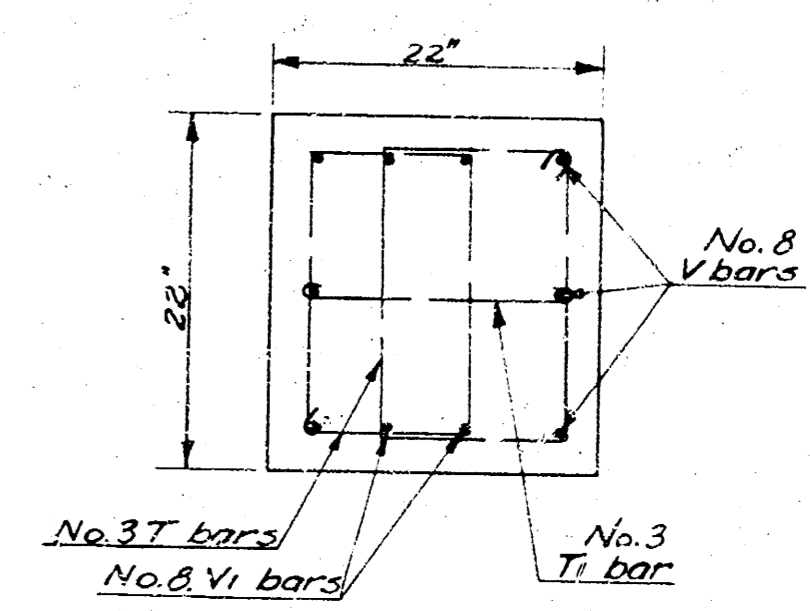
BILL OF MATERIAL - PIER				
Bar	Size	No.	Length	Shape
V	8	30	16'-0"	
V1	8	20	10'-0"	
T	3	150	5'-4"	
T1	3	75	7'-9 1/2"	
F	5	110	6'-10"	
FD	8	30	5'-4"	
C	10	4	30'-3"	
C1	10	4	30'-9"	
C2	6	8	28'-4"	
B	6	4	14'-2"	
S	4	56	6'-5"	
S1	5	2	10'-6"	
S2	5	2	9'-8"	
S3	5	2	8'-10"	
S4	5	2	8'-10"	
S5	5	2	7'-2"	



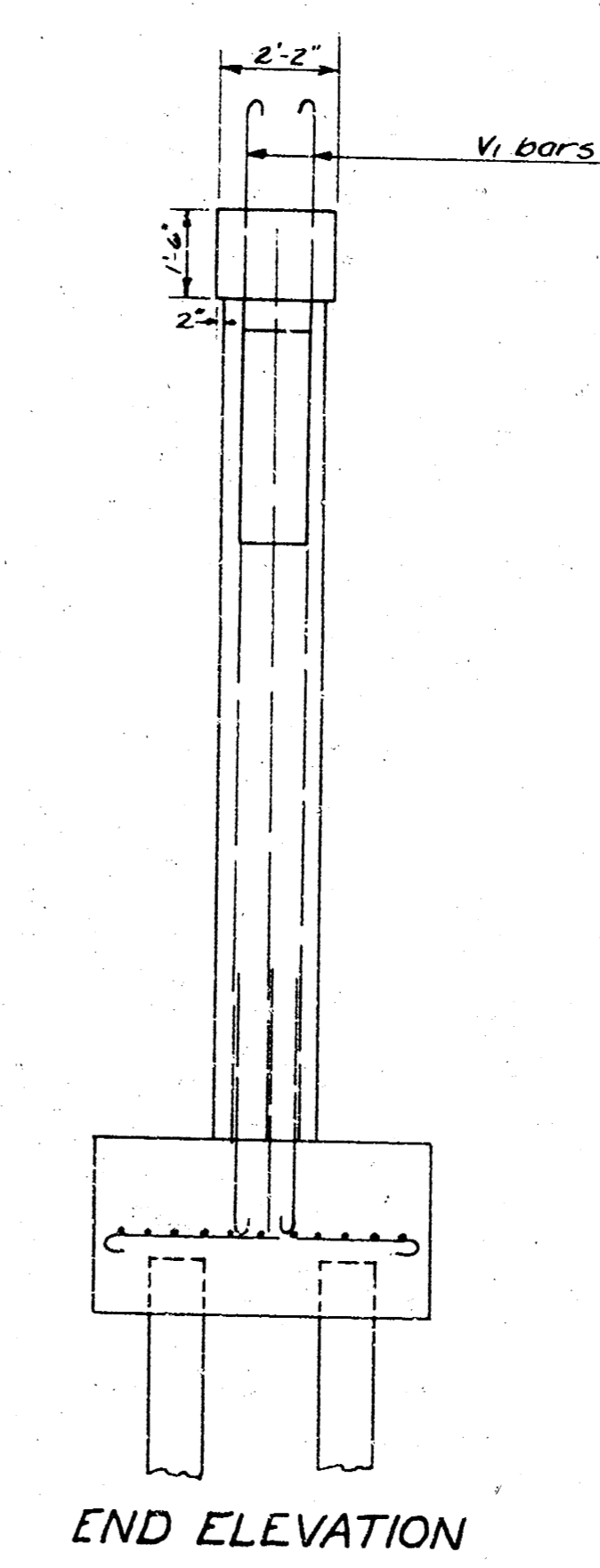
Sec. A-A



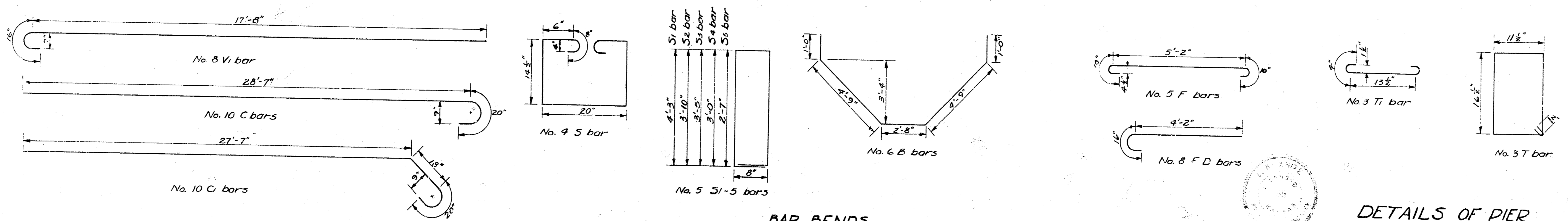
Sec. B-B



Sec. C-C

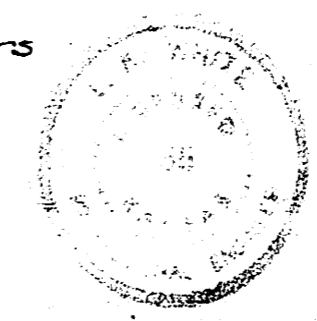


END ELEVATION

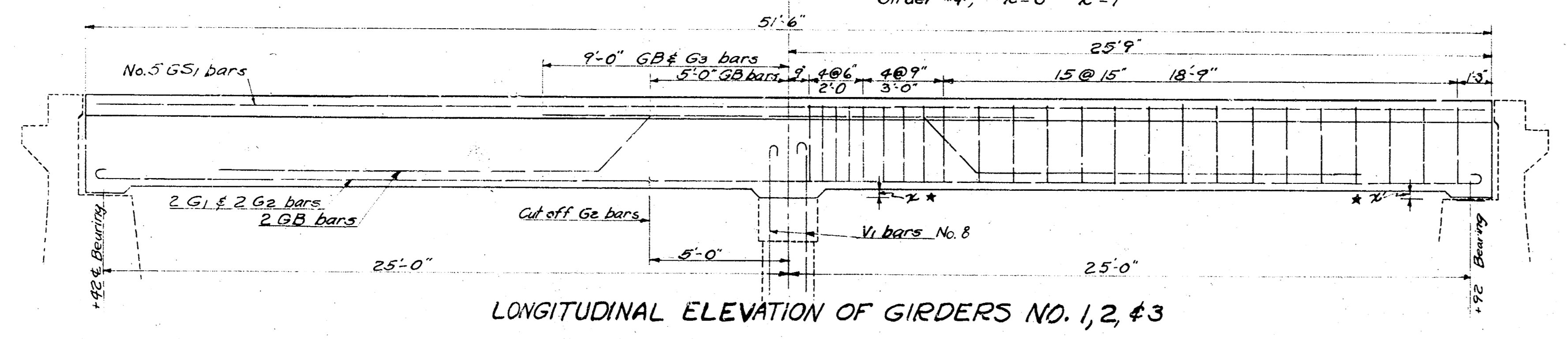


BAR BENDS

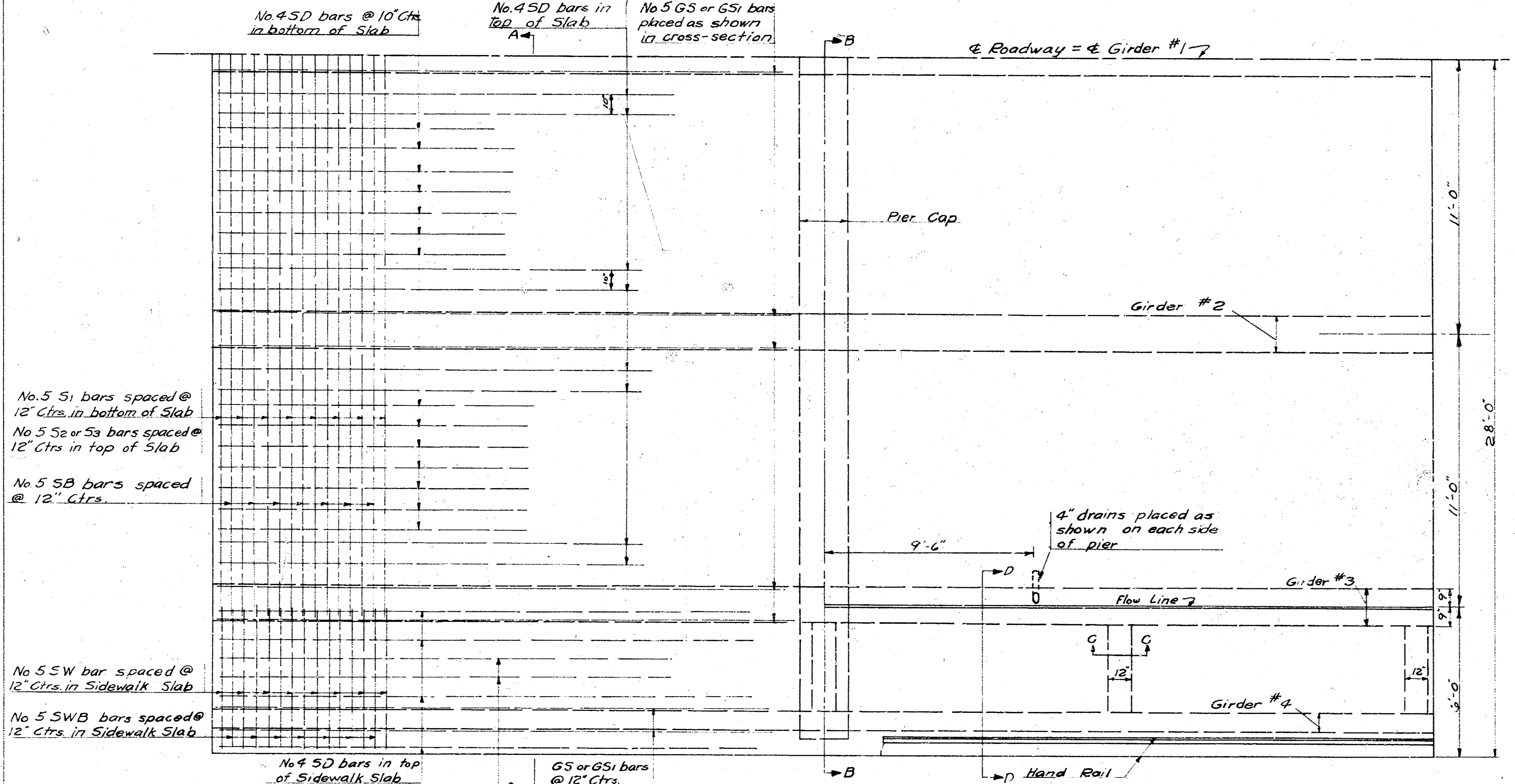
DETAILS OF PIER



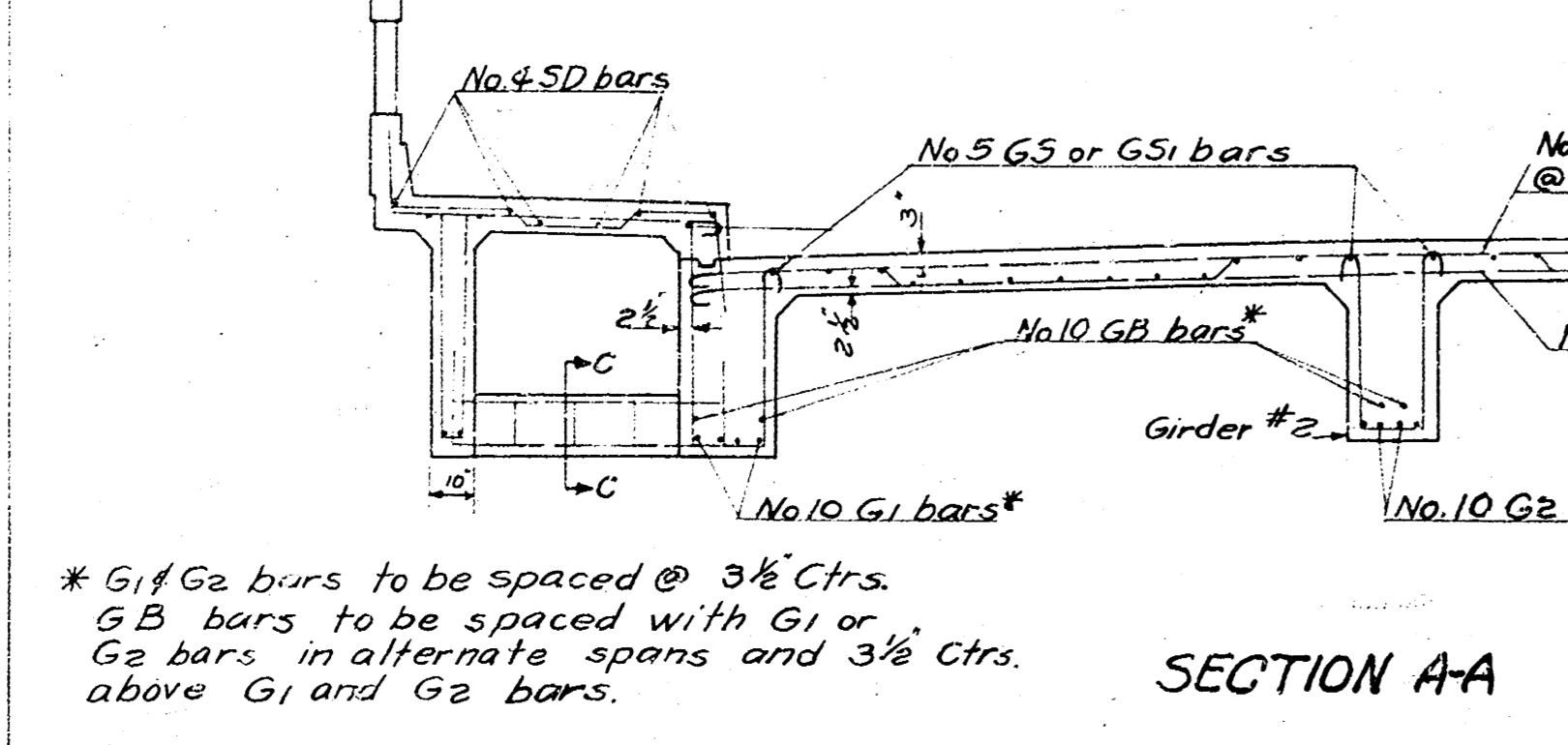
* Variable dimension to allow for crown in Pavt and 1" clearance of bridge seat
 Girder #1, X = 5" Z = 6"
 Girder #2, X = 3 1/2" Z = 4 1/2"
 Girder #3, X = 0 Z = 1"
 Girder #4, X = 0 Z = 1"



LONGITUDINAL ELEVATION OF GIRDERS NO. 1, 2, & 3

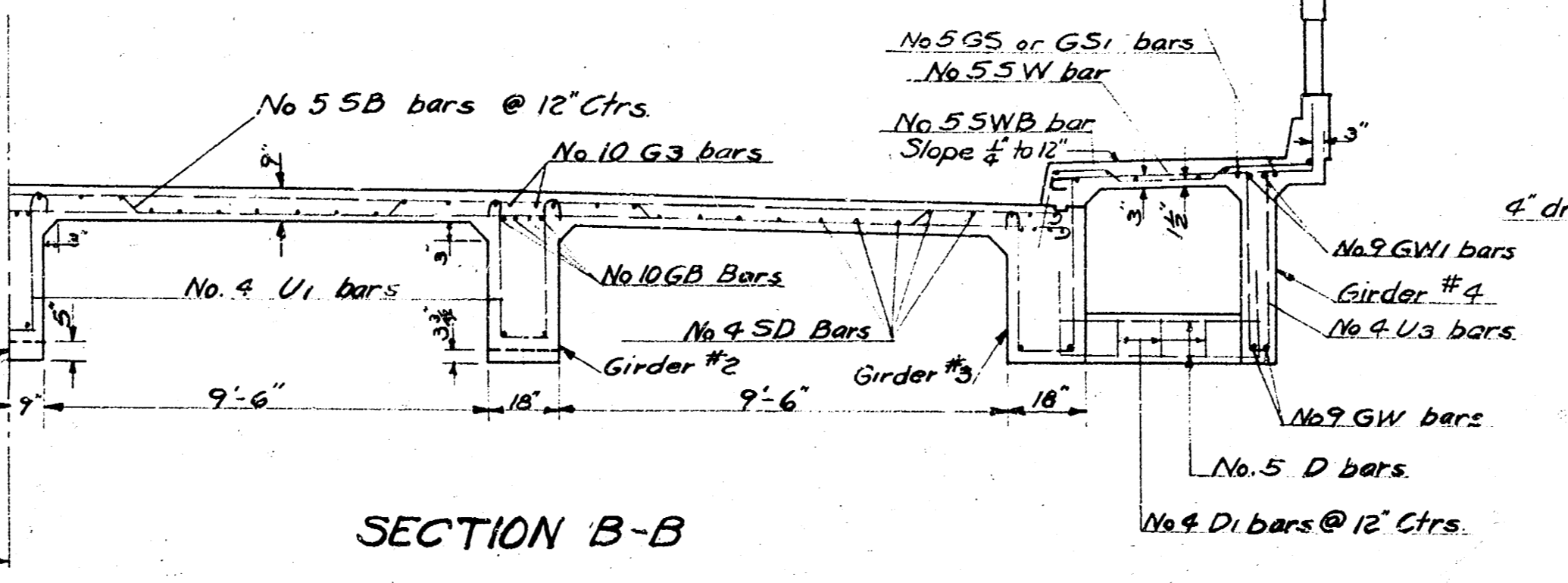


ONE-HALF PLAN

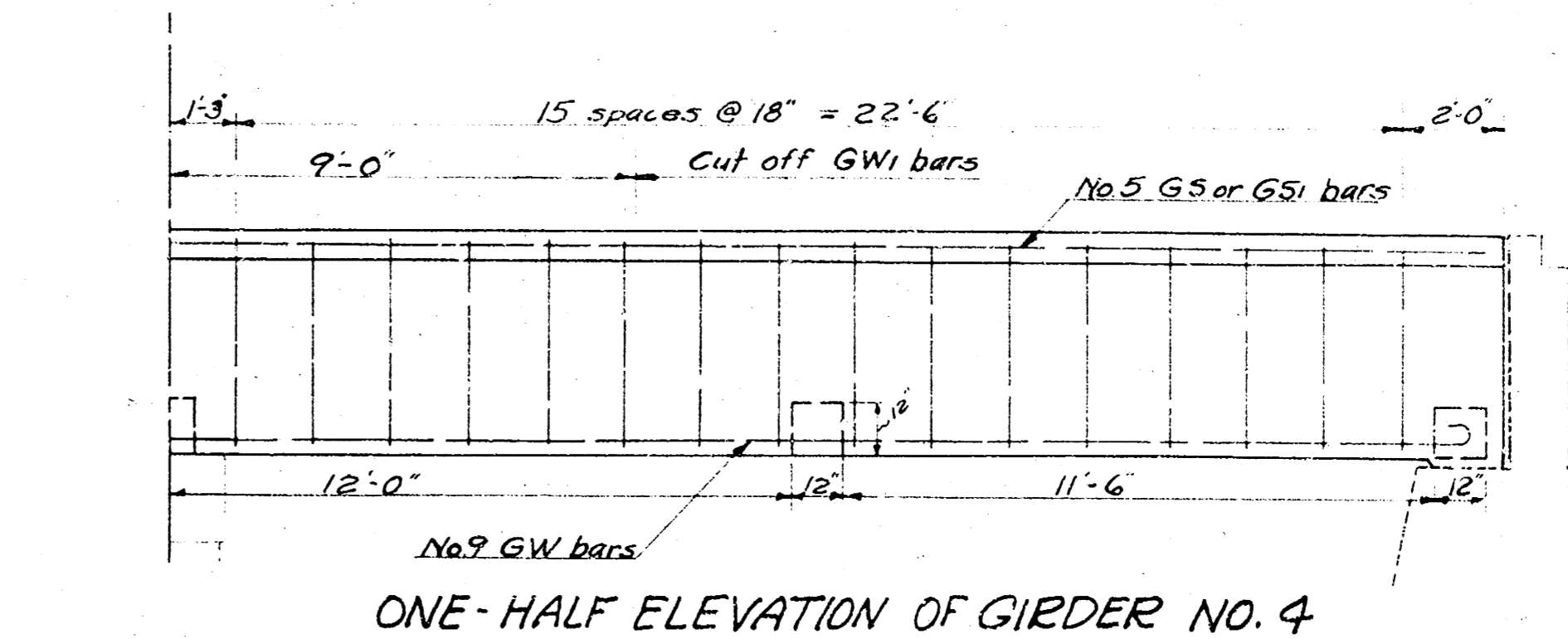


SECTION A-A

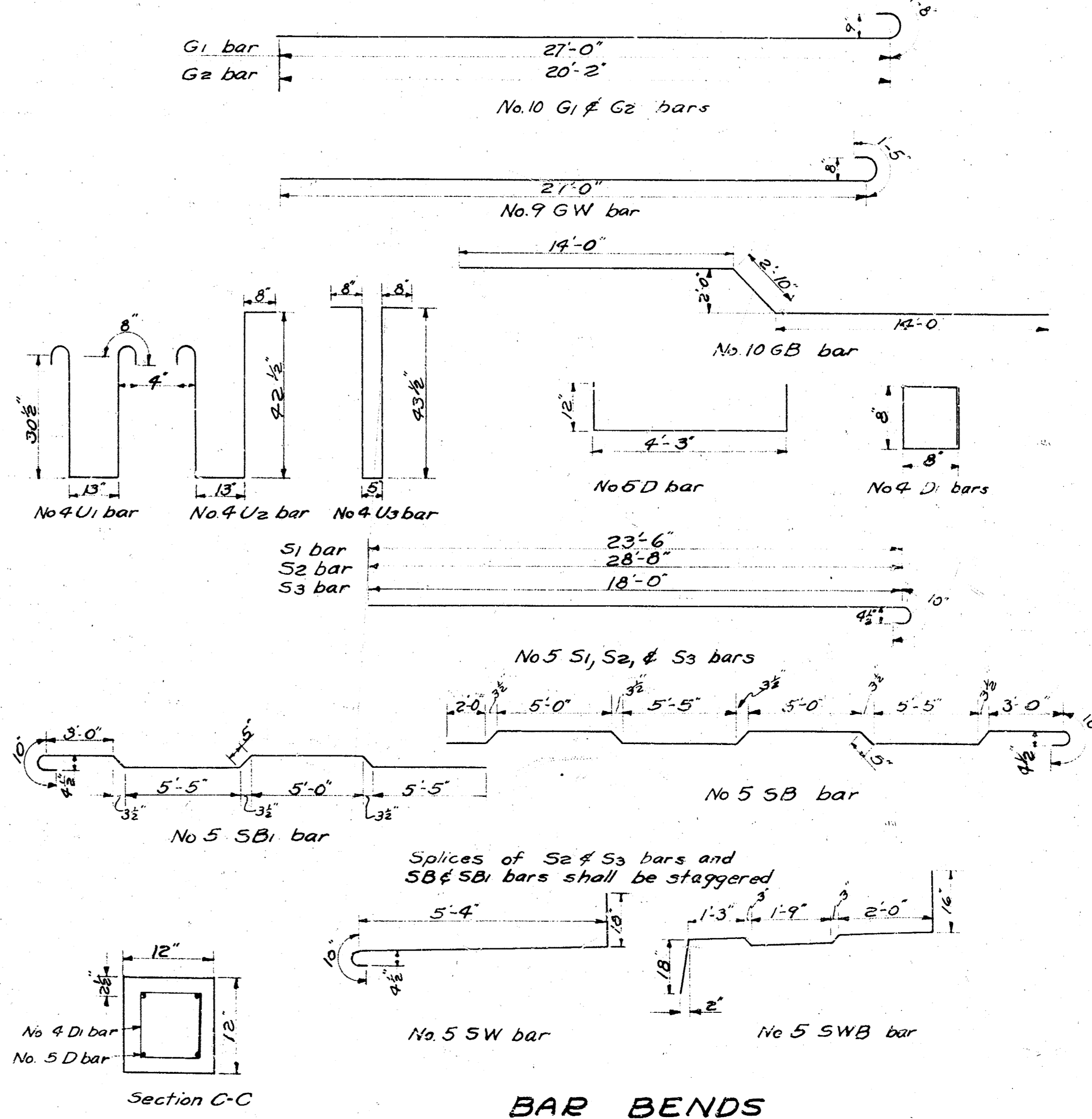
Symmetrical about C-C



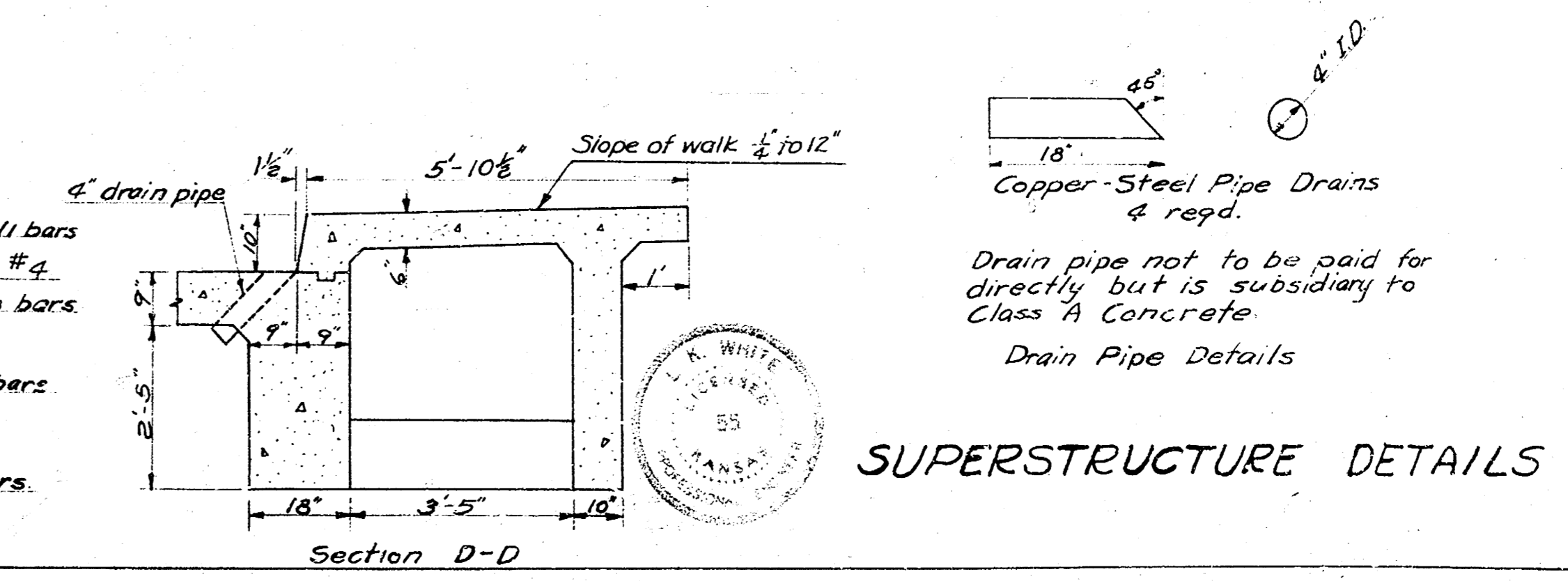
SECTION B-B



ONE-HALF ELEVATION OF GIRDER NO. 4



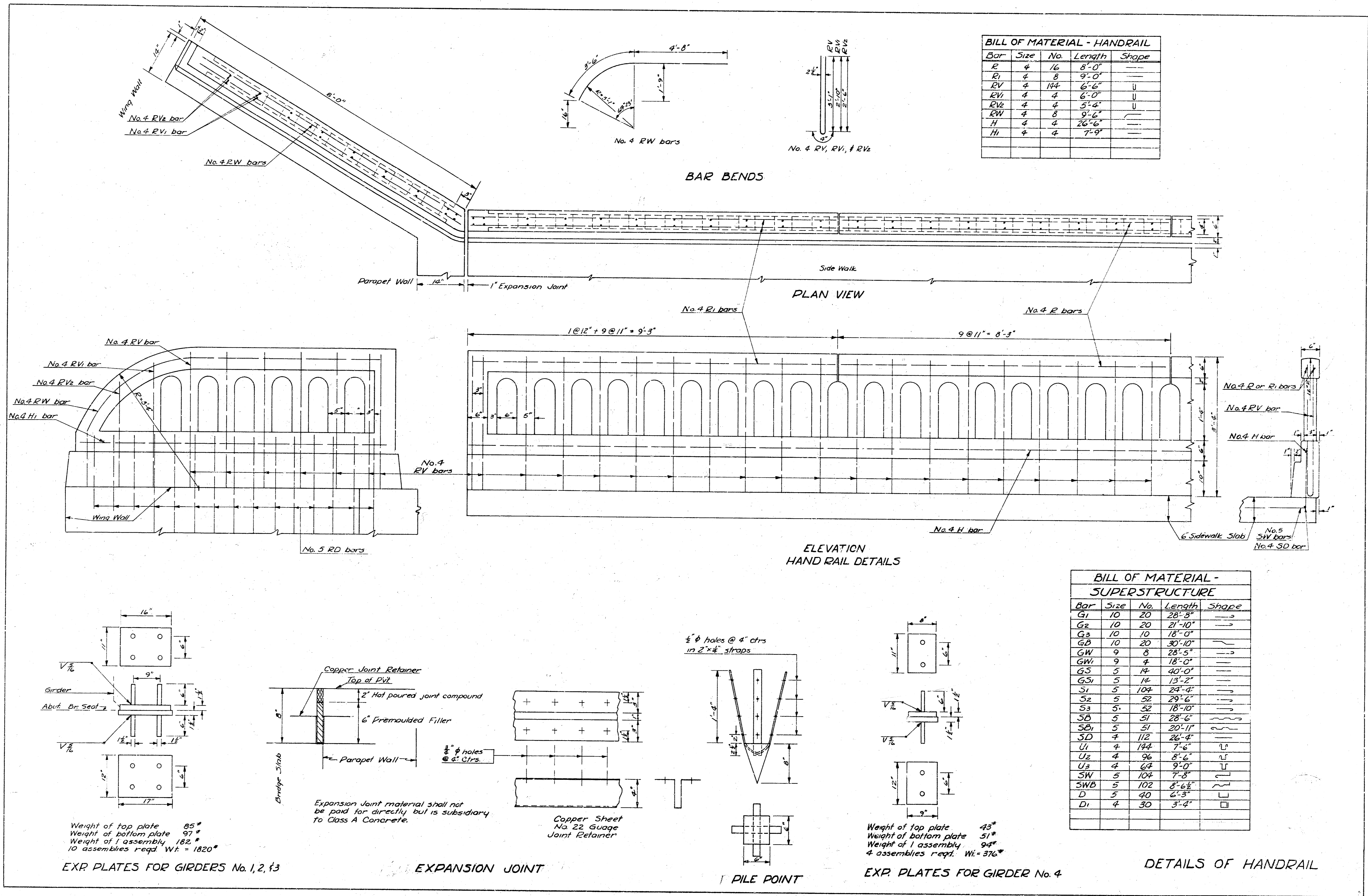
BAR BENDS



SUPERSTRUCTURE DETAILS

* G1 & G2 bars to be spaced @ 3 1/2' Ctrs.
 GB bars to be spaced with G1 or G2 bars in alternate spans and 3 1/2' Ctrs. above G1 and G2 bars.

Drain pipe not to be paid for directly but is subsidiary to Class A Concrete
 Drain Pipe Details



BILL OF MATERIAL - HANDRAIL

Bar	Size	No.	Length	Shape
R	4	16	8'-0"	—
R ₁	4	8	9'-0"	—
RV	4	144	6'-6"	U
RV ₁	4	4	6'-0"	U
RV ₂	4	4	5'-6"	U
RW	4	8	9'-6"	—
H	4	4	26'-6"	—
H ₁	4	4	7'-9"	—

BILL OF MATERIAL - SUPERSTRUCTURE

Bar	Size	No.	Length	Shape
G ₁	10	20	28'-3"	—
G ₂	10	20	21'-10"	—
G ₃	10	10	18'-0"	—
G ₄	10	20	30'-10"	—
GW	9	8	28'-5"	—
GW ₁	9	4	18'-0"	—
G ₅	5	14	40'-0"	—
G ₆	5	14	13'-2"	—
S ₁	5	104	24'-4"	—
S ₂	5	52	29'-6"	—
S ₃	5	52	18'-10"	—
S ₄	5	51	28'-6"	—
S ₅	5	51	20'-11"	—
SD	7	112	26'-4"	—
U ₁	4	144	7'-6"	U
U ₂	4	96	8'-6"	U
U ₃	4	64	9'-0"	U
SW	5	104	7'-8"	—
SD	5	102	8'-6"	—
D	5	40	6'-3"	—
D ₁	4	30	3'-4"	—

Weight of top plate 85#
 Weight of bottom plate 97#
 Weight of 1 assembly 182#
 10 assemblies reqd. Wt = 1820#

EXP. PLATES FOR GIRDERS No. 1, 2, 3

EXPANSION JOINT

PILE POINT

Weight of top plate 43#
 Weight of bottom plate 51#
 Weight of 1 assembly 94#
 4 assemblies reqd. Wt = 376#

EXP. PLATES FOR GIRDER No. 4

DETAILS OF HANDRAIL