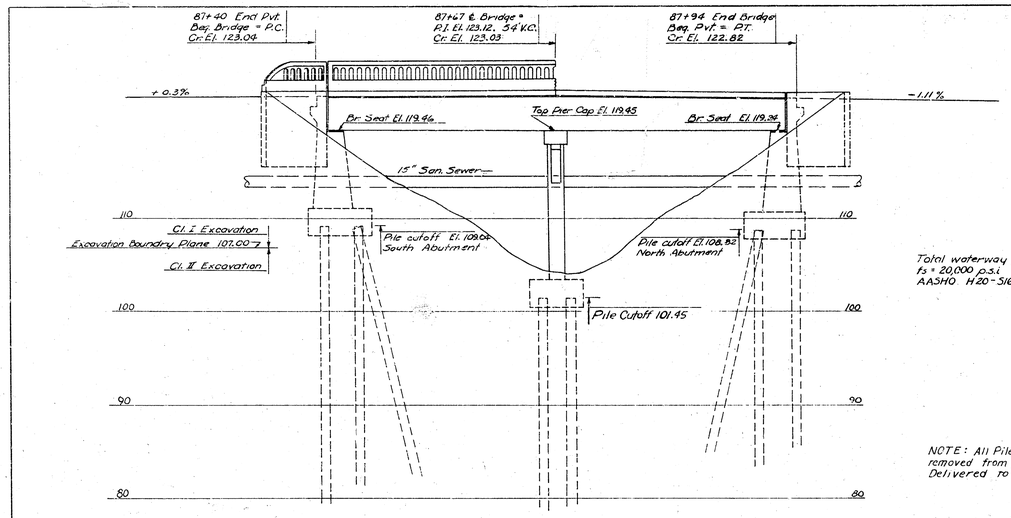
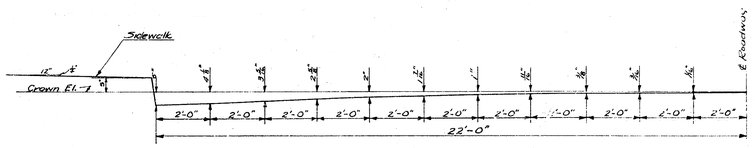
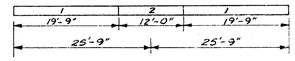
1-13-4-(1)





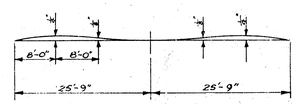
Pvt. Crown Details

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.
AASHO H20-S16-44 Loading



Sequence of Placing Superstructure Conc.

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

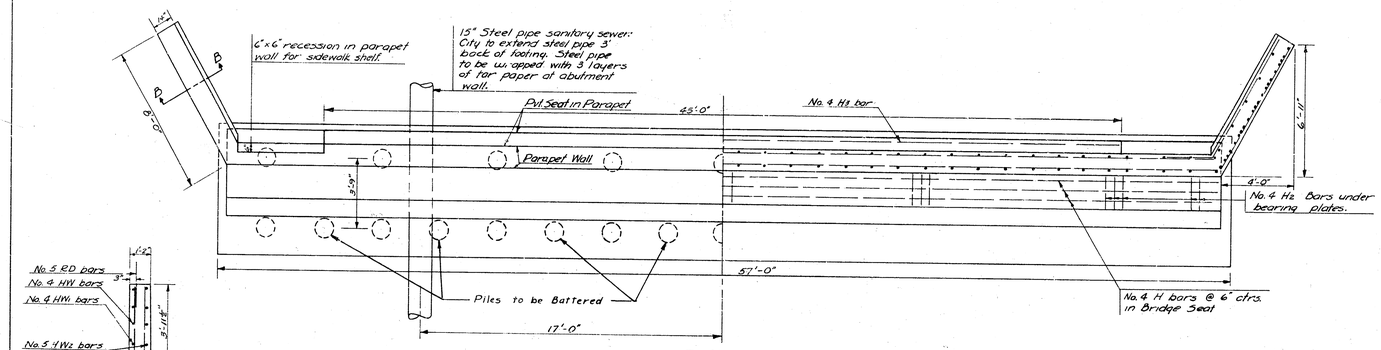


Camber Diagram

SUMMARY OF QUANTITIES

	Excavation Cu. Yds.		Concrete Cu. Yds.		Steel - Lbs.		Timber Piling Lin. Ft.		Pile Points Each	Lgth. Pile
	Class I	Class II	Class A	Class D	Rein-forcing	Expan Devices	Treated	Untr.		
North Abutment	275.0		123.8		3360	587	780		26	30'
South Abutment	273.0		123.8		3360	587	780		26	30'
Pier		68.0	37.3		5972		500		20	25'
Superstructure			125.5		23148	1022	-			
Hand rail				6.9	931					
Total	548.0	68.0	410.4	6.9	36771	2196	2060		72	

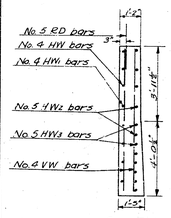
25'-25' R.C. DECK GIRDER BRIDGE
MOSLEY AVE & CHISHOLM CREEK
WICHITA, KANSAS MARCH 1951
L.K. WHITE CITY ENGINEER



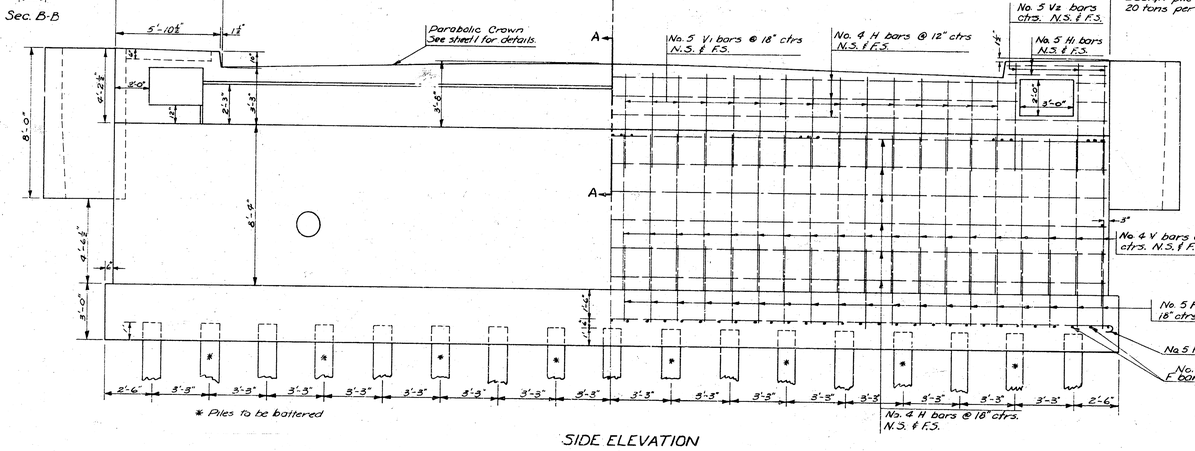
PLAN ELEVATION

BILL OF MATERIAL - ONE ABUTMENT				
Bar	Size	No.	Length	Shape
H	4	10	29'-0"	—
H1	5	8	5'-3"	—
H2	4	19	2'-6"	—
H3	4	2	23'-0"	—
H4	4	2	21'-9"	—
H5	4	2	3'-7"	—
H6	4	2	3'-5"	—
H7	4	2	3'-9"	—
H8	4	2	4'-1"	—
H9	4	2	4'-5"	—
V	4	76	8'-2"	—
V1	5	60	4'-4"	—
V2	5	12	5'-10"	—
F	5	57	7'-10"	⊃
F1	5	12	29'-10"	⊃
FD	5	76	3'-6"	—
S	4	30	4'-0"	7
HW	4	8	9'-8"	J
HW1	4	8	9'-2"	J
HW2	5	12	9'-2"	J
HW3	5	12	8'-8"	J
VW	4	20	7'-6"	—
RD	5	32	2'-4"	—

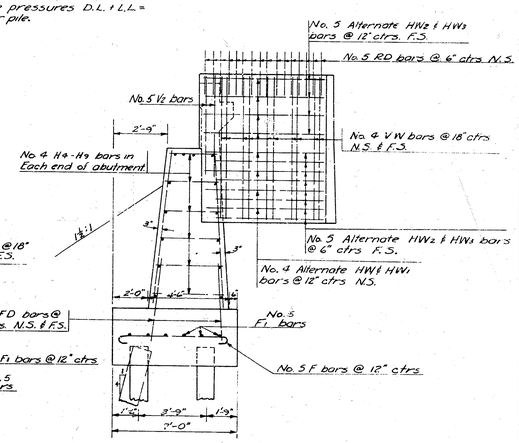
NOTE:
Use Class A Concrete through out
Bevel all exposed edges with $\frac{3}{4}$" triangular moulding.
All dimensions relative to reinforcing steel are to center line of bar unless otherwise noted.
Design pile pressures D.L. + L.L. = 20 tons per pile.



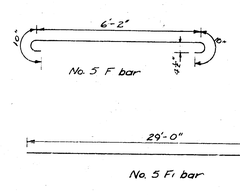
Sec. B-B

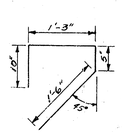


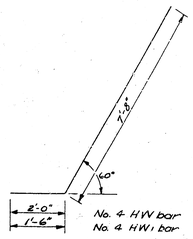
SIDE ELEVATION

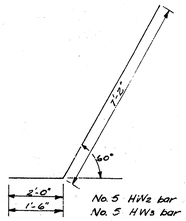


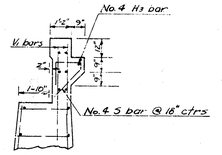
END ELEVATION





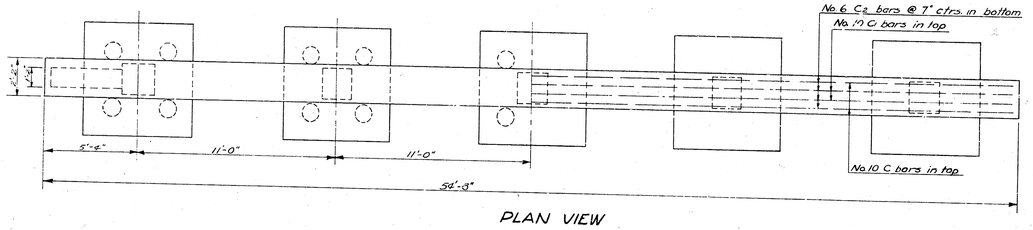




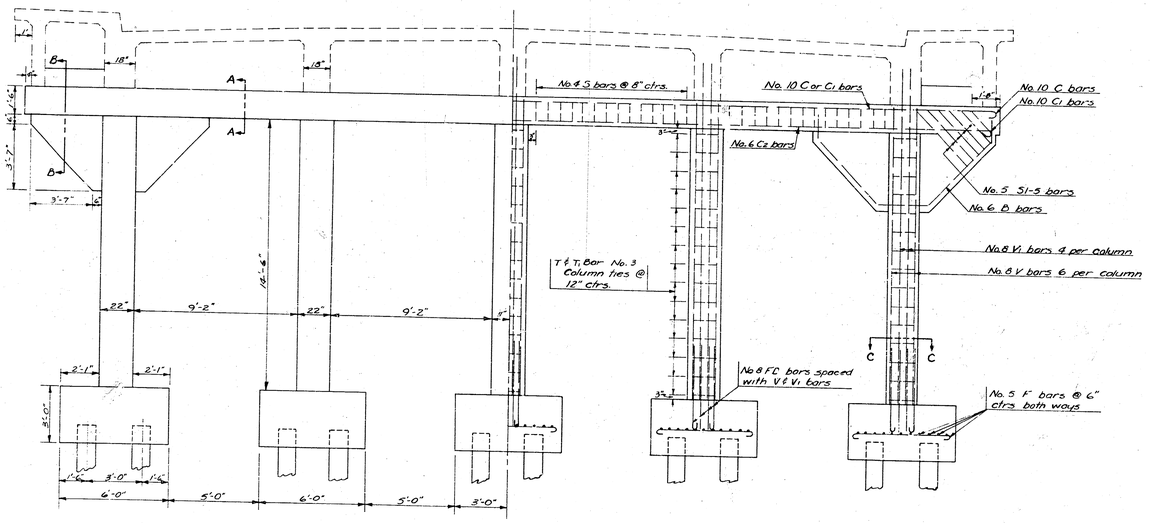


Sec. A-A

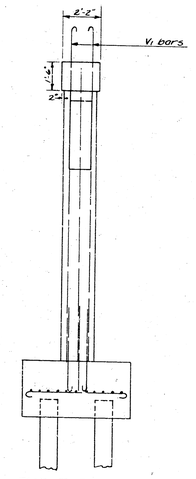
DETAILS OF NORTH ABUTMENT
SOUTH ABUTMENT SAME ONLY REVERSED



PLAN VIEW

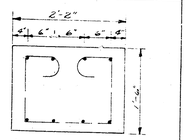


SIDE ELEVATION

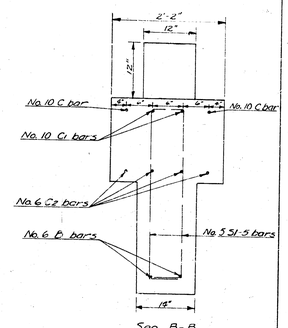


END ELEVATION

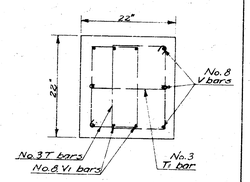
BILL OF MATERIAL - PIER				
Bar	Size	No.	Length	Shape
V	8	30	16'-0"	
V1	8	20	19'-0"	
T	3	150	5'-0"	
T1	3	75	1'-9½"	
F	5	110	6'-10"	
FD	8	50	5'-6"	
C	10	4	30'-3"	
C1	10	4	30'-9"	
C2	6	8	28'-8"	
B	6	4	14'-2"	
S	4	56	6'-5"	
S1	5	2	10'-6"	
S2	5	2	9'-8"	
S3	5	2	8'-10"	
S4	5	2	8'-10"	
S5	5	2	7'-2"	



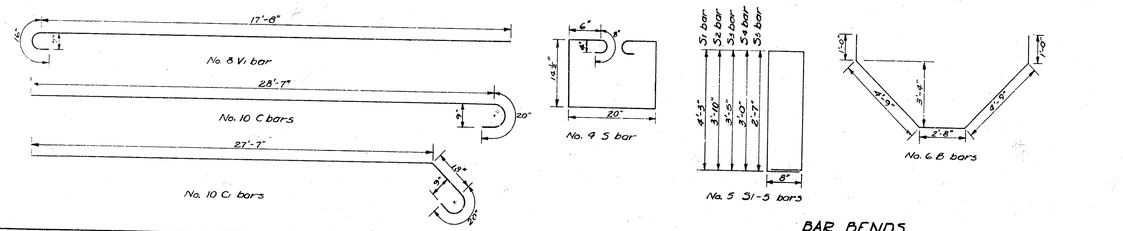
Sec. A-A



Sec. B-B

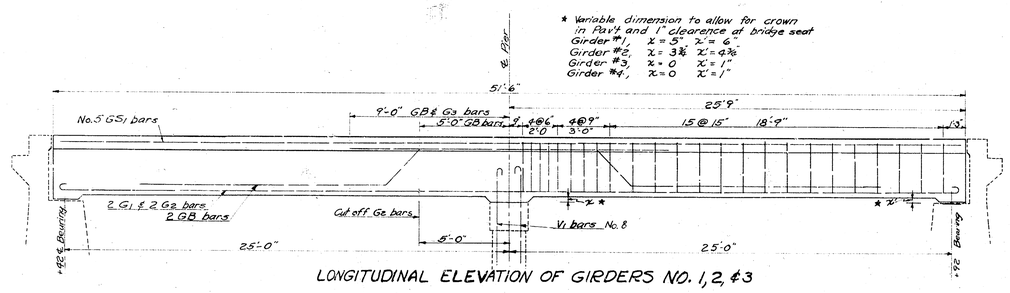


Sec. C-C

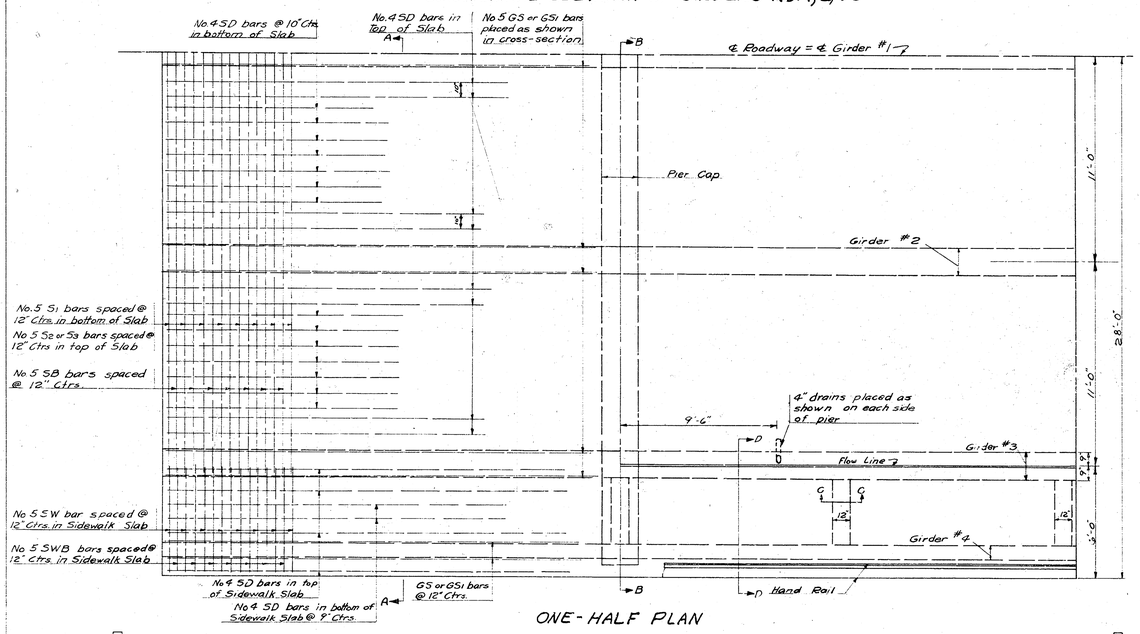


BAR BENDS

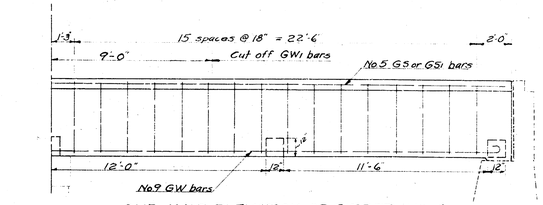
DETAILS OF PIER



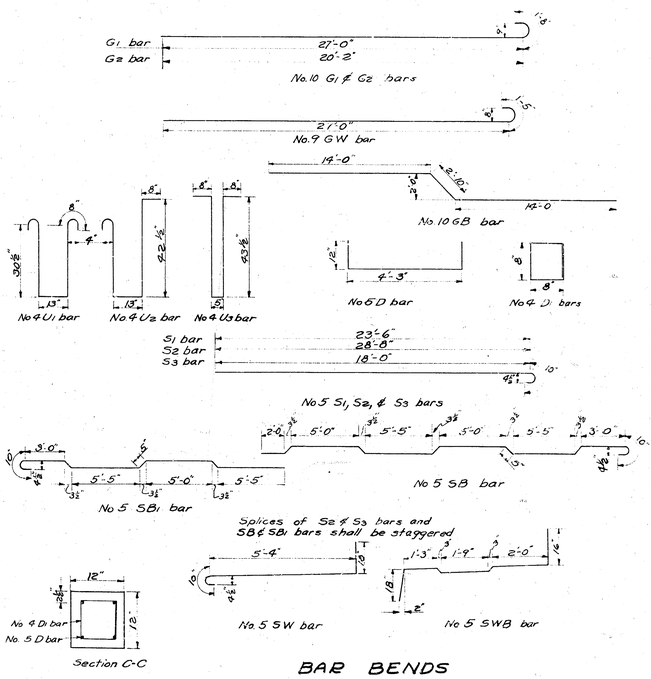
LONGITUDINAL ELEVATION OF GIRDERS NO. 1, 2, & 3



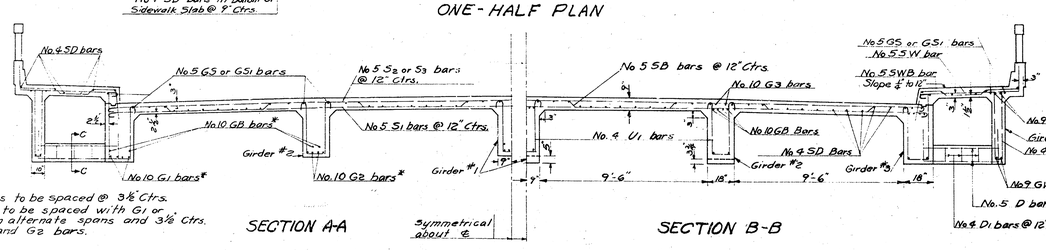
ONE-HALF PLAN



ONE-HALF ELEVATION OF GIRDER NO. 4



BAR BENDS

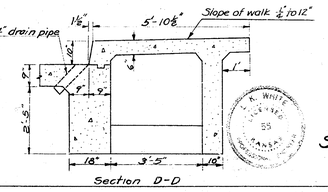


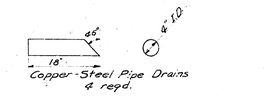
* G1 & G2 burs to be spaced @ 3⅛" Ctrs. GB bars to be spaced with G1 or G2 bars in alternate spans and 3⅛" Ctrs. above G1 and G2 bars.

SECTION A-A

Symmetrical about ℄

SECTION B-B

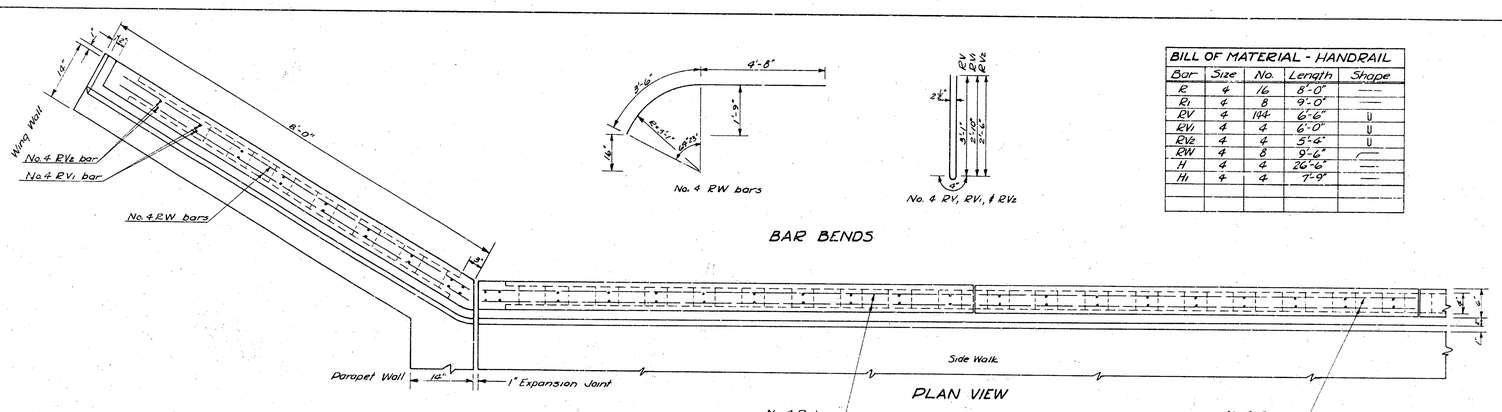




Drain pipe not to be paid for directly but is subsidiary to Class A Concrete.

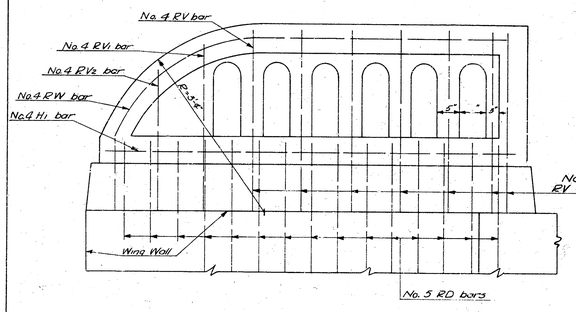
Drain Pipe Details

SUPERSTRUCTURE DETAILS

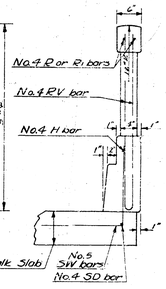


BAR BENDS

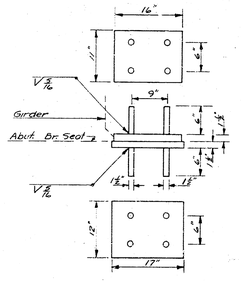
BILL OF MATERIAL - HANDRAIL				
Bar	Size	No.	Length	Shape
R	4	16	8'-0"	—
R1	4	8	9'-0"	—
RV	4	144	6'-6"	U
RV1	4	4	6'-0"	U
RV2	4	4	5'-6"	U
RW	4	8	5'-6"	—
H	4	4	26'-6"	—
H1	4	4	7'-0"	—



ELEVATION

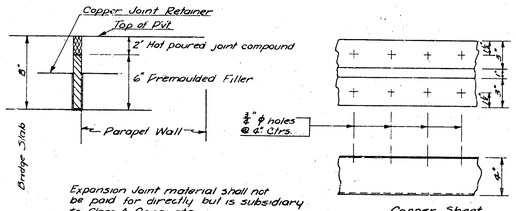


HAND RAIL DETAILS

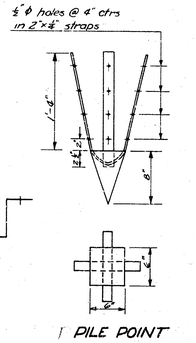


Weight of top plate 85#
Weight of bottom plate 97#
Weight of 1 assembly 182#
10 assemblies reqd. Wt. = 1820#

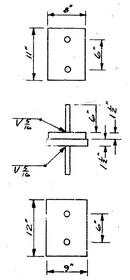
EXP. PLATES FOR GIRDERS No. 1, 2, & 3



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

BILL OF MATERIAL - SUPERSTRUCTURE				
Bar	Size	No.	Length	Shape
G1	10	20	28'-8"	—→
G2	10	20	21'-10"	→
G3	10	10	18'-0"	—
GB	10	20	30'-10"	↘
GW	9	8	28'-5"	—→
GW1	9	4	18'-0"	—
G5	5	14	40'-0"	—
G51	5	14	13'-2"	—
S1	5	104	24'-4"	→
S2	5	52	29'-6"	—→
S3	5	52	18'-10"	→
SB	5	51	28'-6"	~→
SB1	5	51	20'-11"	~
SD	4	112	26'-4"	—
U1	4	194	7'-6"	⊓
U2	4	96	8'-6"	⊓
U3	4	64	9'-0"	⊓
SW	5	104	7'-8"	⊓
SWB	5	102	8'-6½"	~
D	5	40	2'-3"	□
D1	4	30	3'-4"	□

DETAILS OF HANDRAIL