

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	62-2	1967	2A	42

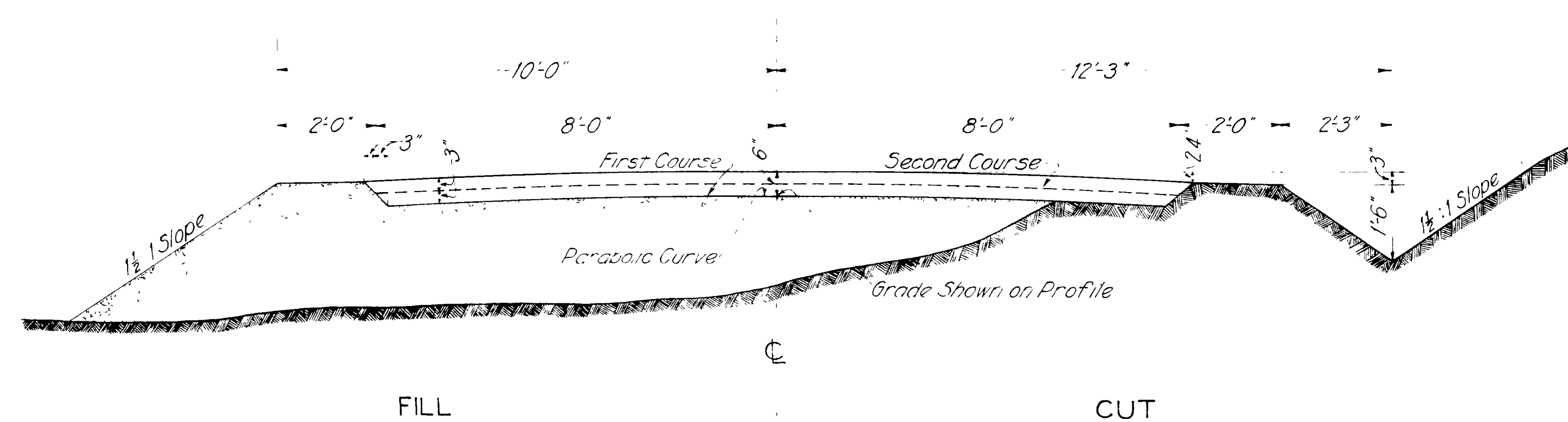
STANDARD TYPICAL CROSS SECTIONS

GRAVEL SURFACE

SCALE: 1"=2'-0"

TYPE "C"

GRAVEL SURFACE TO BE LAID IN TWO COURSES

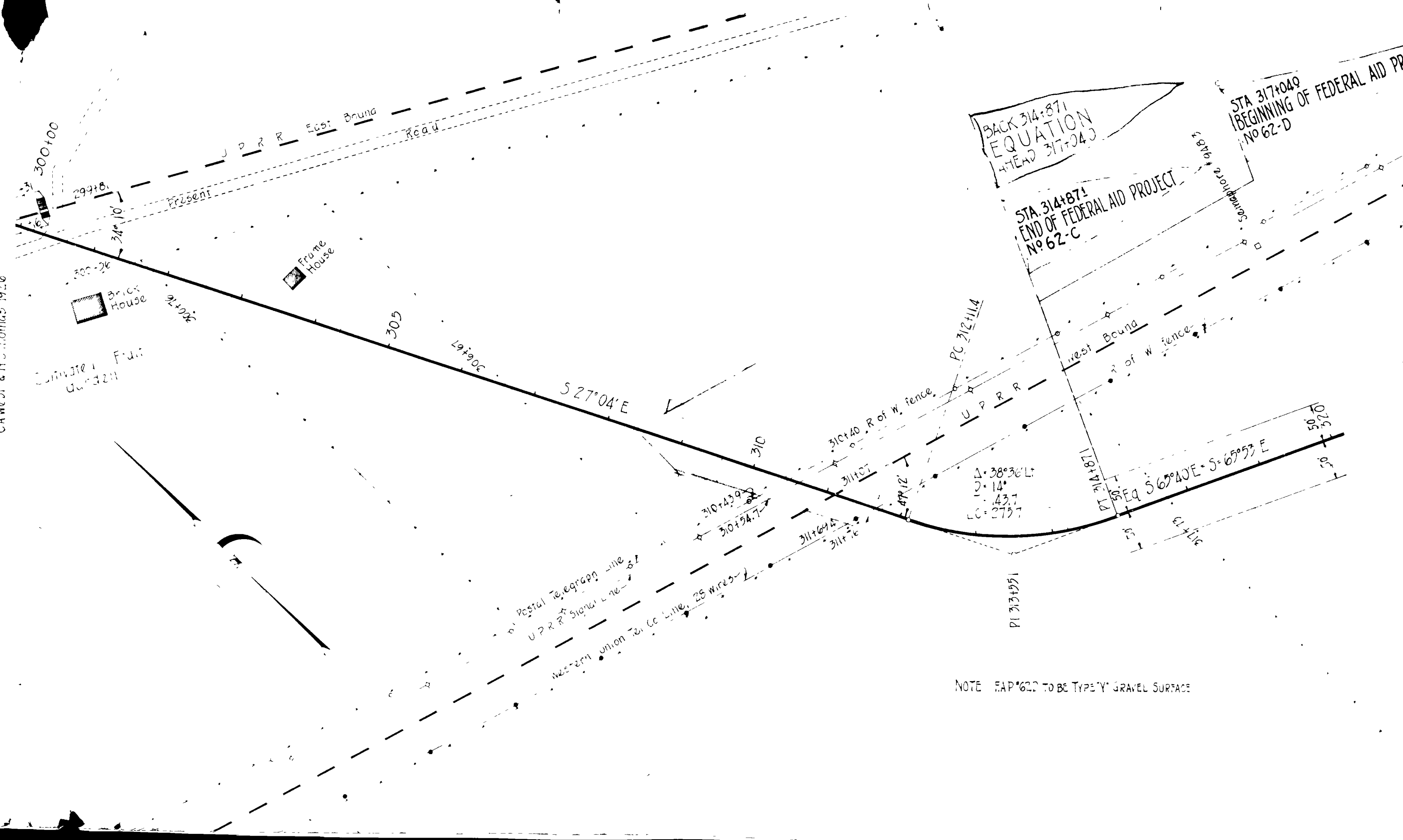


TO BE USED IN QUANTITIES

QUANTITIES

GRAVEL SURFACE PER MILE = 1799 CU YDS } INCLUDES
 GRAVEL SURFACE PER STATION = 341 CU YDS } 15% SHRINKAGE

USED ON
F.A.P. NO.
62-0

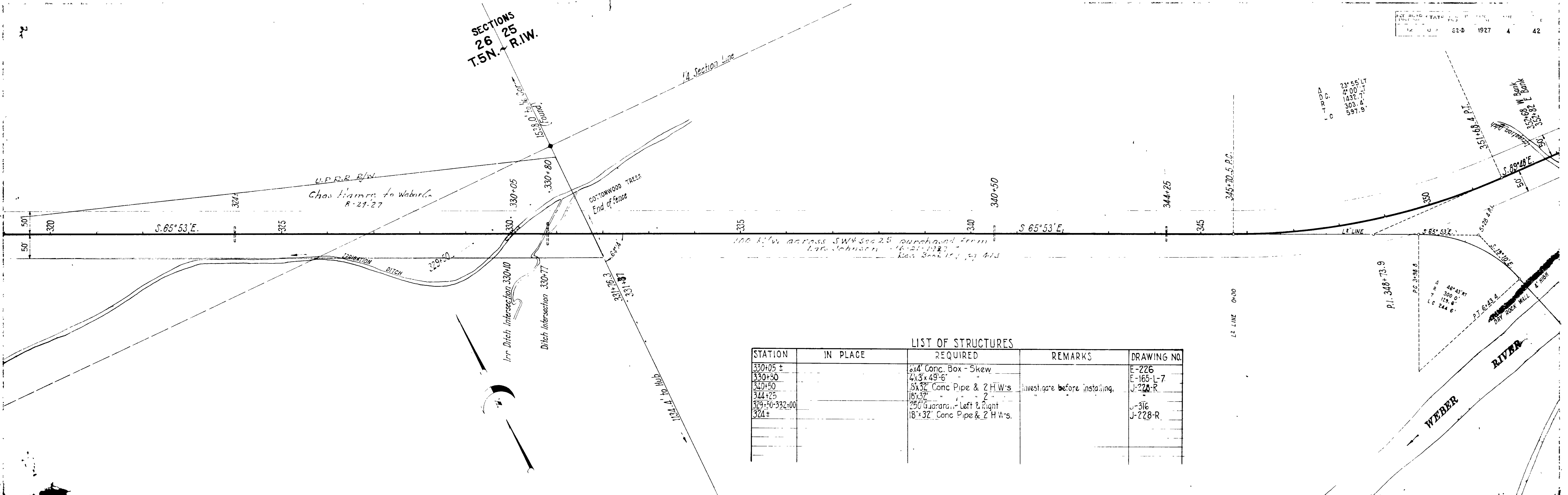


STATION	LIST OF STRUCTURES		REMARKS	DRAWING No
	IN PLACE	REQUIRED		

C.A. West & H. St. Onions, 1926
 1926
 1926
 1926

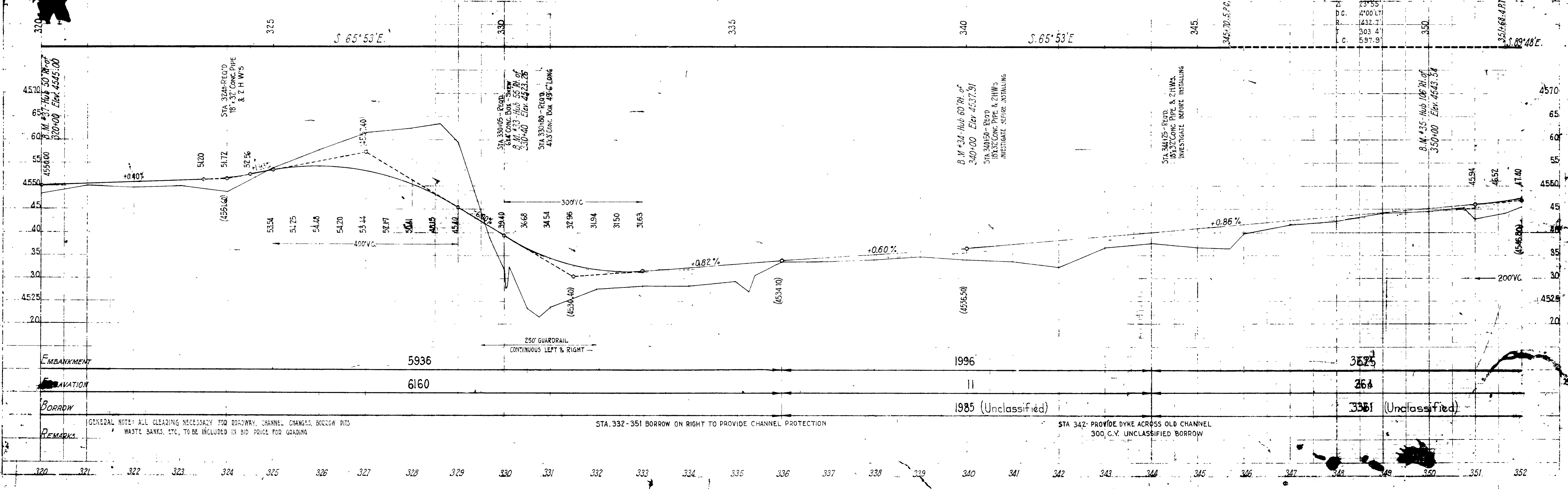
1203

SECTIONS
 26 25
 T.5N. R.1W.



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
330+05 ±		6x4 Conc. Box - Skew		E-226
330+30		4x3x49'-6"		E-165-L-7
340+50		18x32" Conc. Pipe & 2 H.W.'s	Investigate before installing.	J-220-R
344+25		18x32" "		
329+50-332+00		250' Guardrail - Left & Right		J-316
324 ±		18x32" Conc. Pipe & 2 H.W.'s		J-228-R



REMARKS

GENERAL NOTE: ALL CLEARING NECESSARY FOR ROADWAY, CHANNEL CHANGES, BORROW PITS, WASTE BANKS, ETC., TO BE INCLUDED IN BID PRICE FOR GRADING

5936

6160

1996

11

1985 (Unclassified)

3625

264

3361 (Unclassified)

STA. 332-351 BORROW ON RIGHT TO PROVIDE CHANNEL PROTECTION

STA 342- PROVIDE DYKE ACROSS OLD CHANNEL
 300 C.Y. UNCLASSIFIED BORROW

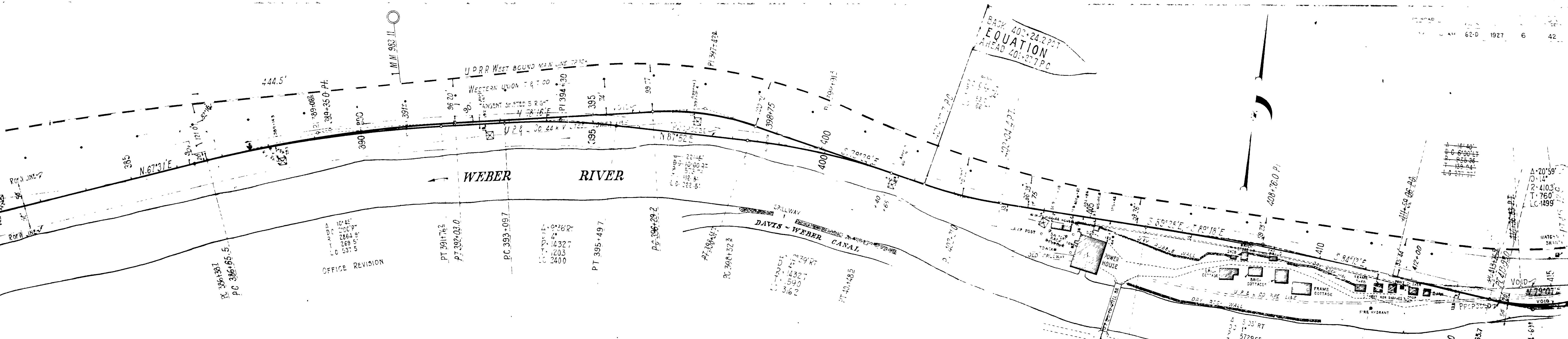
1925
 W.M. Johnson
 C.L. West
 C.A. West

1925
 W.M. Johnson
 C.L. West
 C.A. West

1139

C.A.W. & R.A.M. 1925

No. 1145

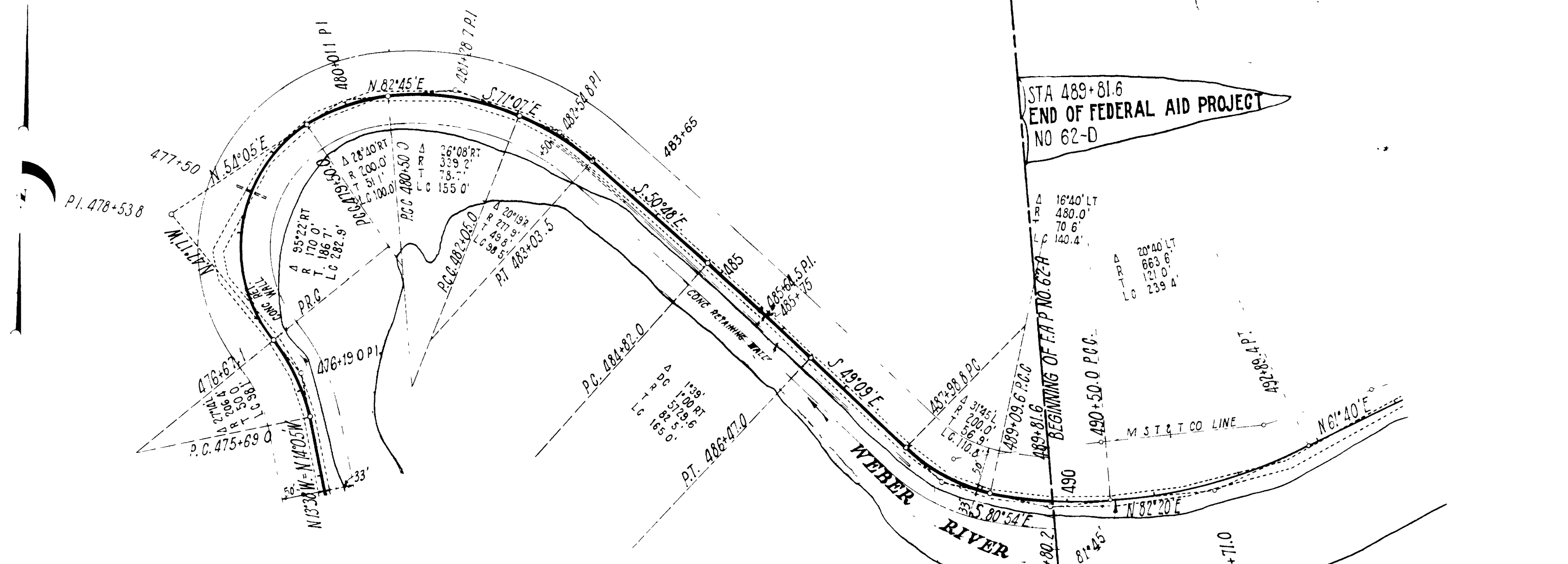


OFFICE REVISION

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO
391±		18'x32' CMP & 2 H W's.		J-228-R
398+75		18" 36'		
413-65.7		11' Span X-ing U.P.&L Co Pipe Line		E-224 (2 Sheets)
392+05-403+75		1170' Guardrail Right	2 Stretches	J-316
401+40-401+65		25' Cement Rubble Wall Right		V-51
403+75-412+00		825'		
403+80-412+00		820' Guardrail Right	Continuous	

NOTE POWER COMPANY BUILDINGS TO BE MOVED BY FORCE ACCOUNT DURING CONSTRUCTION

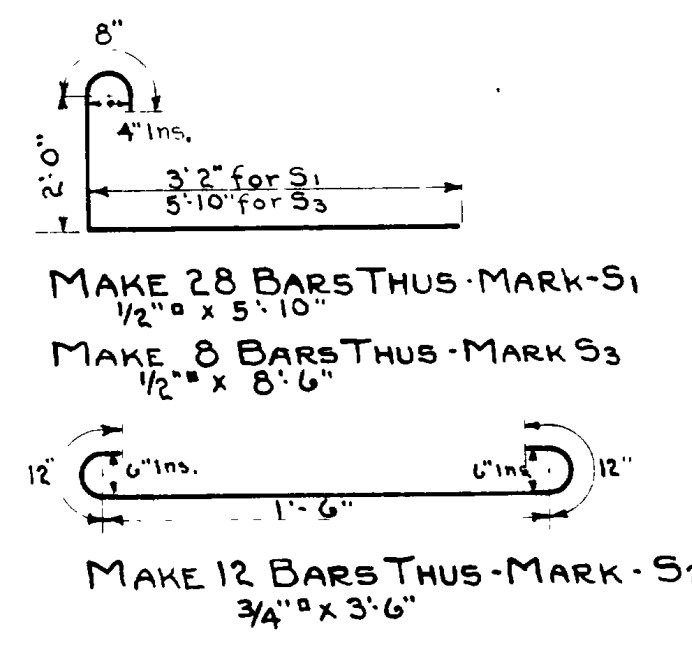
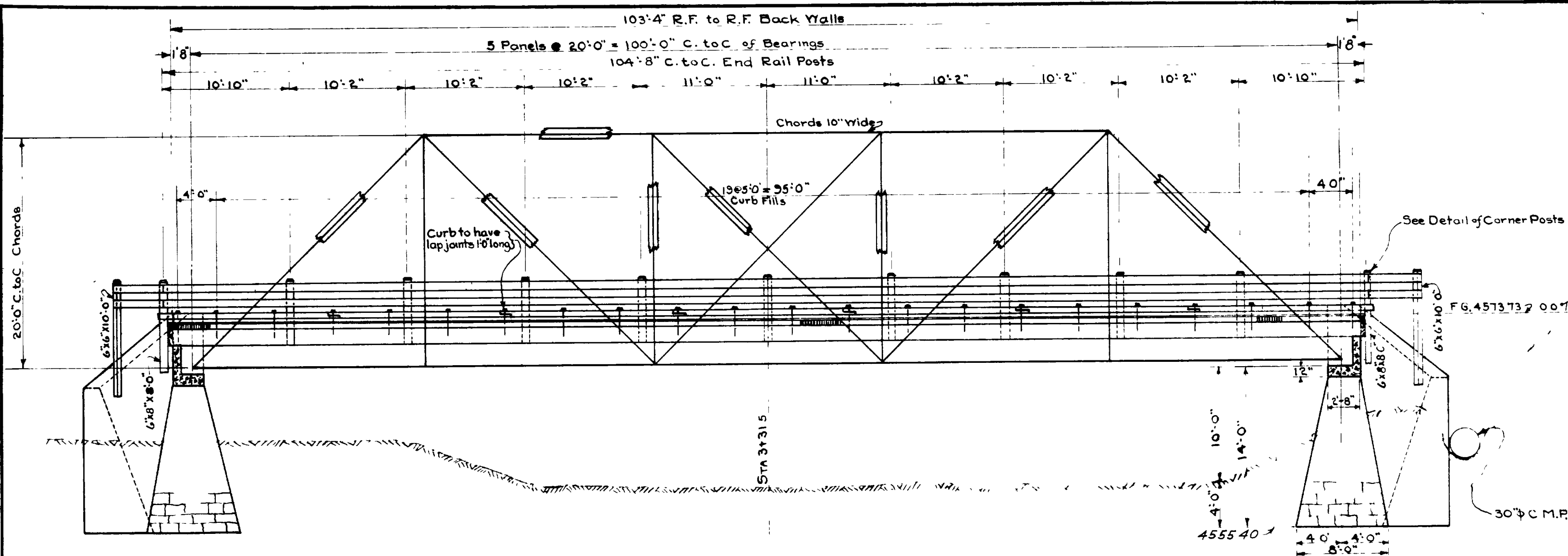


LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING NO.
477+50		18"x36" Conc Pipe & 2 H.W.'s.		J-228-R
485+75		18"x32" " " " "	Inlet Head Wall Only	"
477+00-482+50		550' Guardrail Right	Continuous	J-316
488+00-489+80		180' " " " "	"	"
482+50-483+65		115' Cement Rubble Wall Right	"	V-51

WEBER COUNTY
MORGAN COUNTY

FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	62-D			



REINFORCING SCHEDULE

MARK	SIZE	No.	TYPE	SPA.	LENG. ONE	LENG. ALL
S1	1/2"	23	Detailed	12"	5'-10"	165.33
S2	1/2"	14	Straight	-	17'-0"	245.00
S3	3/4"	12	Detailed	-	3'-6"	42.00
S4	1/2"	8	-	-	8'-6"	68.00
42.00 Lin. Ft. 3/4" @ 1.94 = 81.48*						
476.33 " " 1/2" @ .86 = 409.64*						
Total Wt. = 491.12*						

HARDWARE SCHEDULE

LOCATION	KIND	No.	SIZE	LENGTH	WEIGHT	Location	No.	SIZE	NET L.	NET F.B.M.	No.	GROSS L.	GROSS F.B.M.
Sub Floor	Nails	4340	40d.	5"		Wearing Plk.	12	2"x12"	10'-0"	2304.00	78	14'-0"	2496.00
YY S.	"	1248	"	"	493.33	"	12	2"x12"	8'-0"	192.00			
Curb Fills	"	176	"	"		Sub. Floor	620	2"x4"	14'-0"	5786.67	620	14'-0"	5786.67
R Post	"	72	"	"		Curbs	10	6"x12"	15'-0"	900.00			
Stringer Clips	"	112	"	"		Curbs	4	6"x12"	15'-6"	372.00	14	16'-0"	1344.00
Bridging	"	240	20d.	4"	76.26	R. Post Fills	18	3"x6"	1'-4"	36.00	2	12'-0"	36.00
Sub Floor	"	1514	"	"		Sub Floor	44	6"x12"	2'-0"	528.00	11	8'-0"	528.00
Curbs	Drift Bolts	44	5/8"	2'-0"	97.24	Stringers	6	6"x16"	20'-0"	960.00	6	20'-0"	960.00
"	Bolts	22	"	1'-6"	106.14	Curbs	4	6"x16"	21'-8"	693.33	4	22'-0"	704.00
Rail Posts	"	36	"	1'-6"		"	25	6"x16"	22'-0"	4400.00	25	22'-0"	4400.00
Railing	"	60	"	0'-11"	73.62	End Plank	4	4"x10"	16'-0"	213.33	4	16'-0"	213.33
Stringers	R's	56	2"x7/8"	1'-0"	95.20	Bridging	60	2"x4"	2'-0"	80.00	10	12'-0"	80.00
"	Washers	280	for R's		210.00	Railing	8	3"x8"	2'-0"	176.00	4	22'-0"	176.00
Truss Shoes	Bolts	16	1"	1'-0"	58.24	"	6	3"x8"	20'-4"	325.33	8	22'-0"	352.00
						"	8	3"x8"	21'-2"	339.33	8	22'-0"	352.00
						Wing Rail	8	3"x8"	6'-0"	96.00	4	12'-0"	96.00
						Rail Posts	18	6"x6"	5'-4"	288.00	6	16'-0"	288.00
						"	4	6"x6"	8'-0"	128.00	2	16'-0"	128.00
						"	4	6"x6"	10'-0"	120.00	4	10'-0"	120.00
Total Wt. = 1210.03*											Total Net F.B.M. = 17,937.99		
											" Gross " = 18,060.00		

ELEVATION

GENERAL NOTES

All lumber to be full size, dense, select, Coast Region, Douglas Fir, and to receive 2 coats of creosote after framing and before erecting except hand rail. Twenty minutes to elapse between coats.

All holes for bolts and dowels to be bored smaller than dia. of bolt or dowel.

Each strip of subfloor to be nailed to the adjacent strip with 40d nails spaced 24" ctrs. and staggered 8" with nails in adjacent strips, S. to E. and lay with surfaced edge down. In addition each strip shall be toe nailed with 20d nails to stringers, the nailing of the successive strips being so staggered that the spacing of the nails along each stringer shall be 6".

All ends of lumber and all contact surfaces to receive one coat of hot tar, except hand rail.

Wearing plank to be nailed to subfloor with 40d nails staggered at one foot intervals.

Bolts and dowels and plates to be medium steel or wrought iron.

Bolt heads and nuts to be square.

All reinforcing to be deformed, square bars of structural steel grade. All intersections of reinforcing to be securely tied with #16 wire.

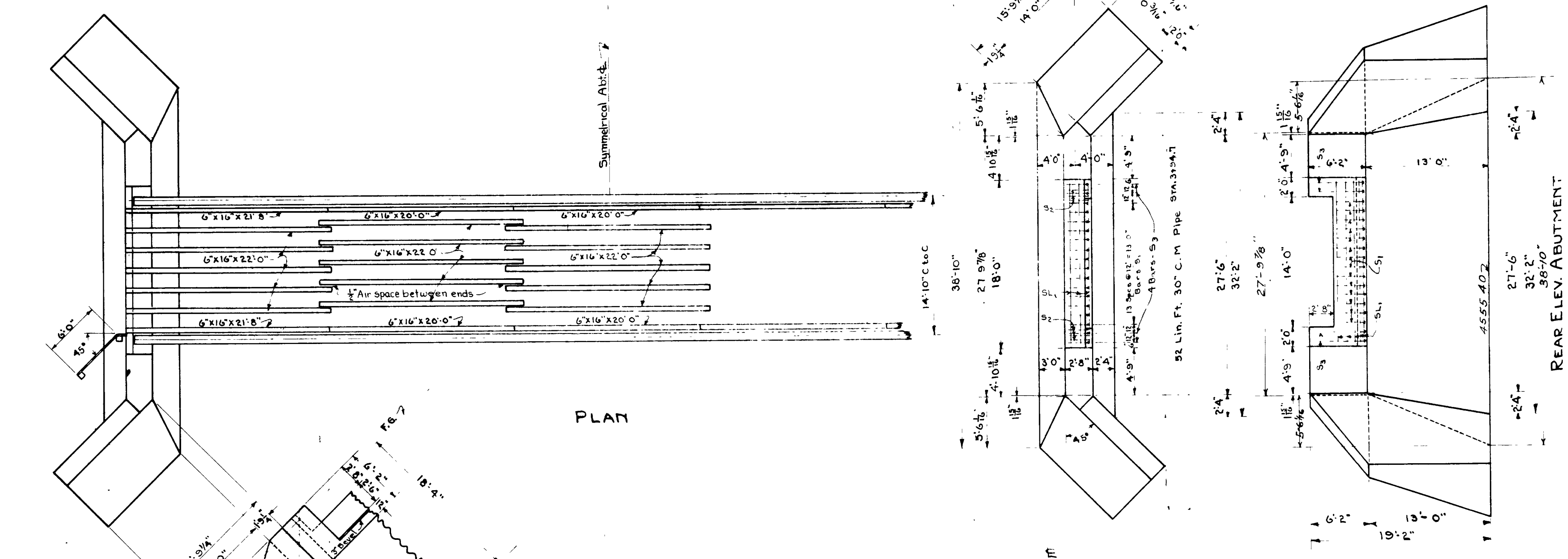
Concrete to be class 'A' (1:2:4 mix).

Hand rail to receive 2 coats of Std. White Bridge Paint after erection.

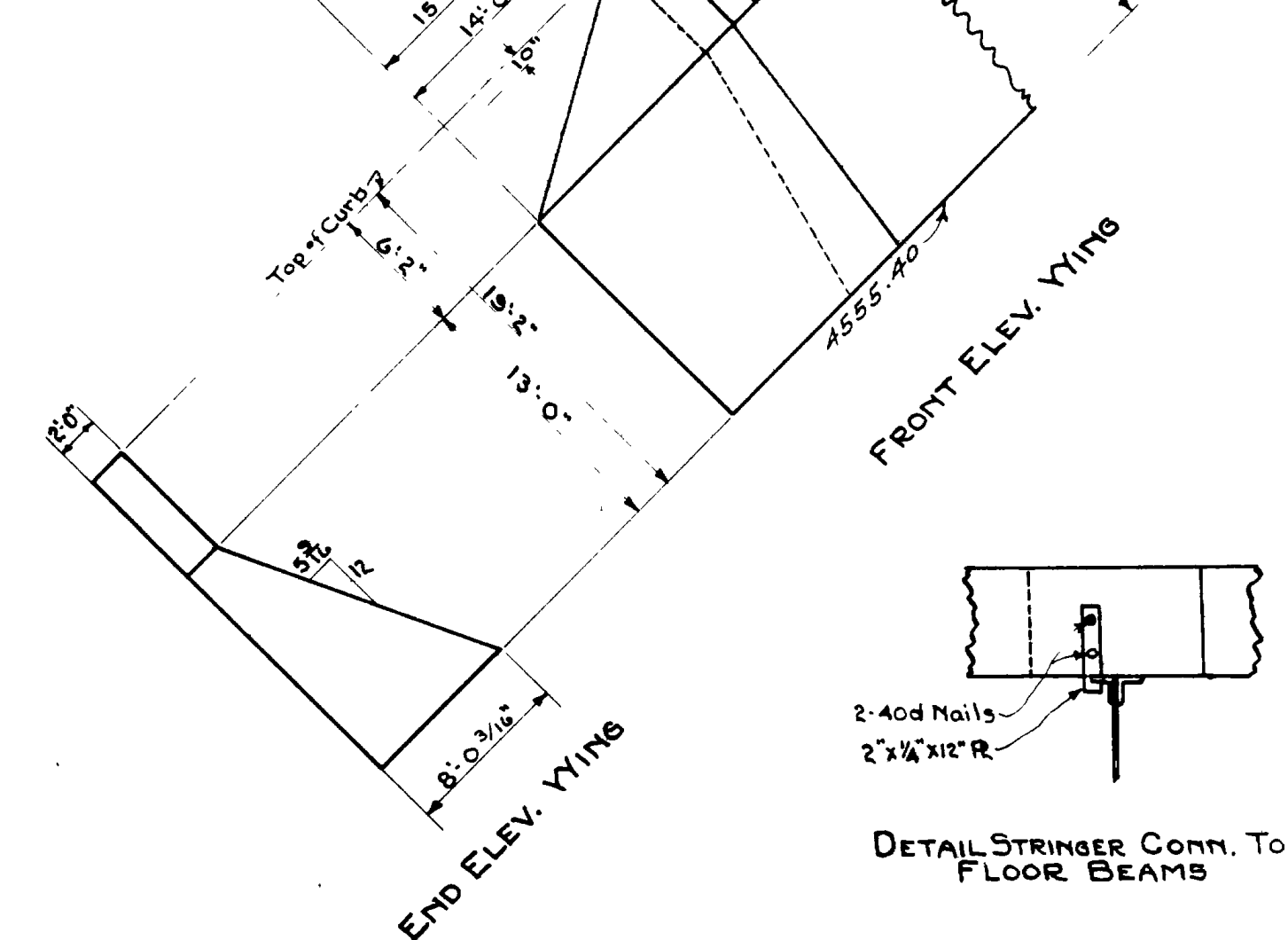
DESIGN DATA

Loading - One Ten Ton Truck, Plus 30% impact. a.B Load on rear axle.

Stresses - Lumber 1600* in bending. 90* in Hor. Shear

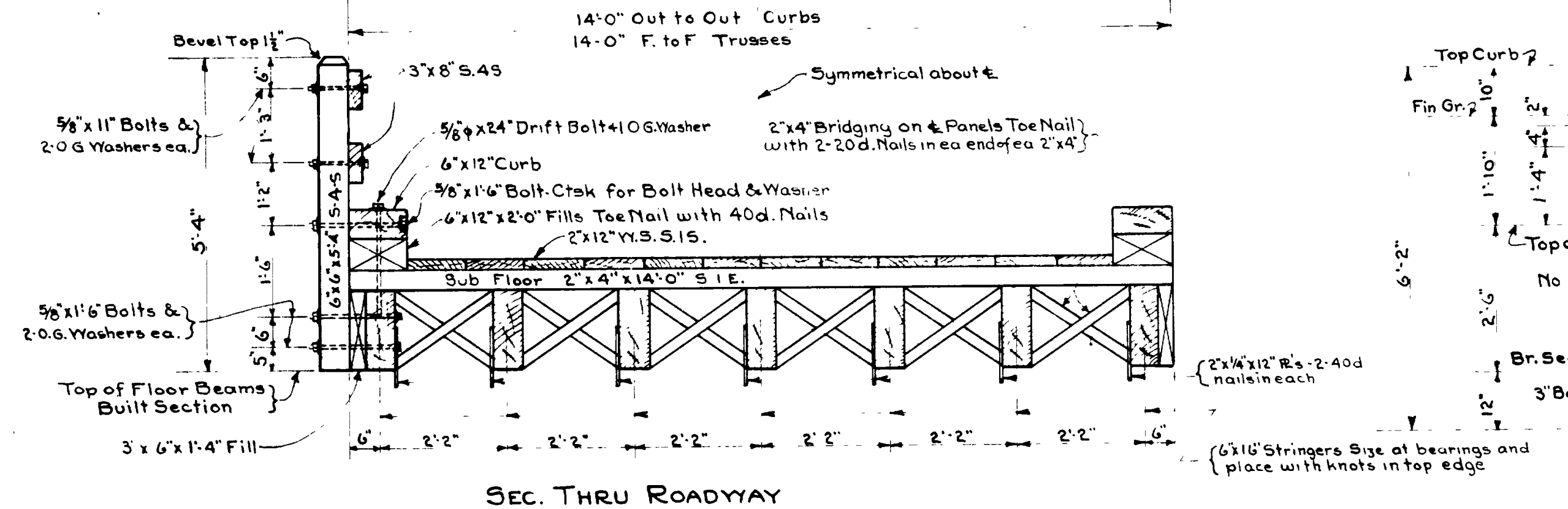


PLAN

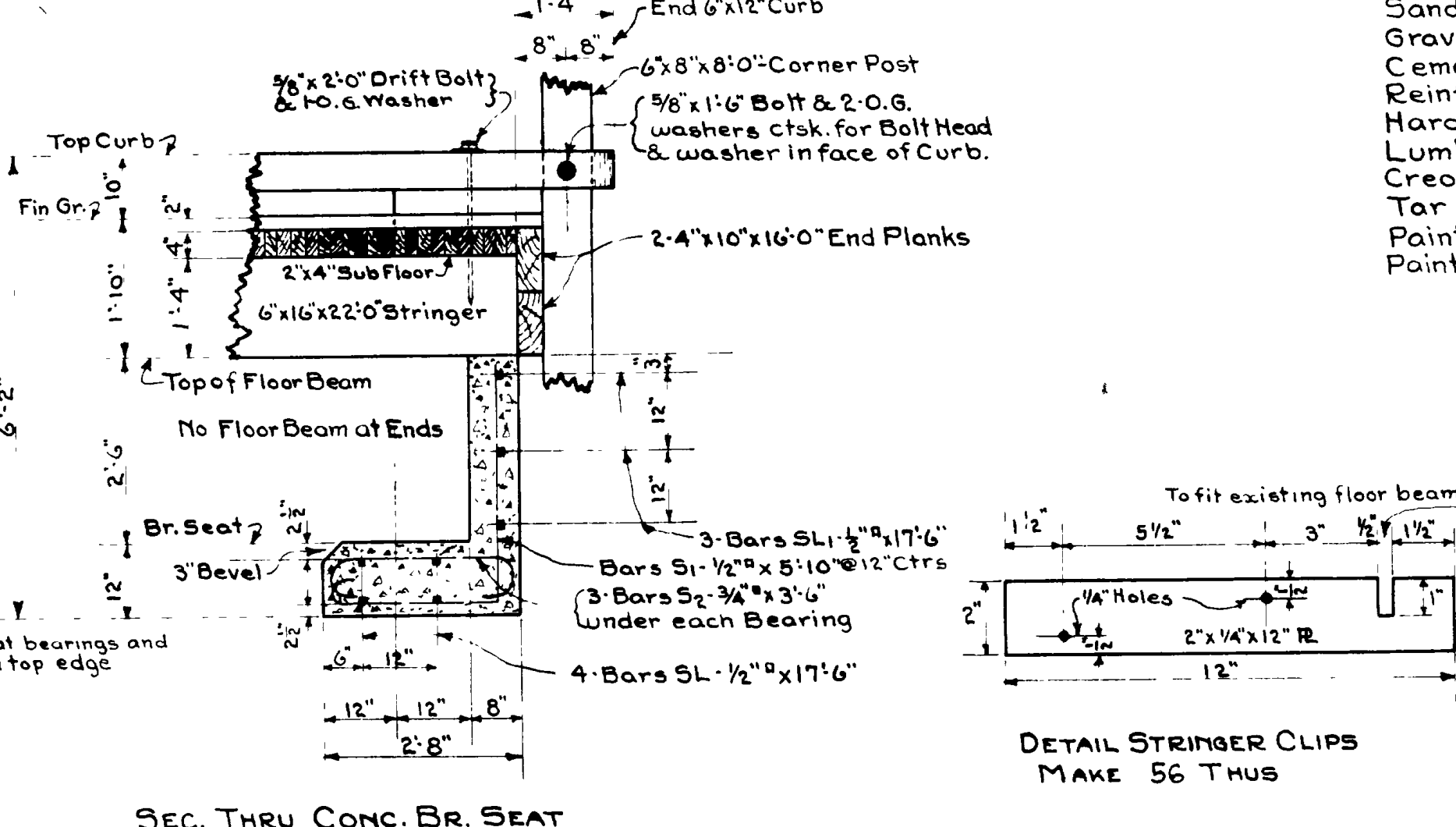


FRONT ELEV. WING

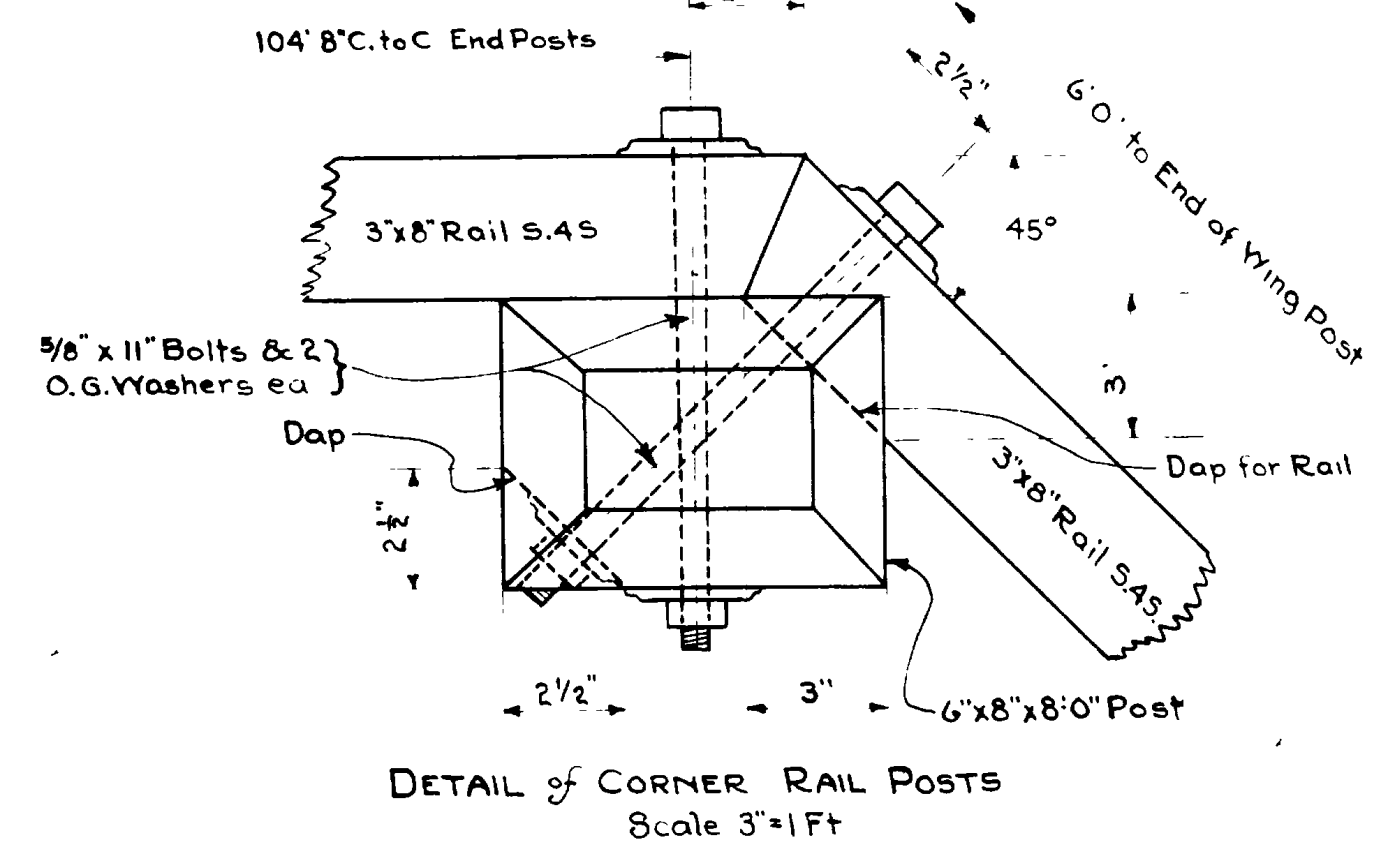
END ELEV. WING



SEC. THRU ROADWAY



SEC. THRU CONC. BR. SEAT



DETAIL OF CORNER RAIL POSTS
Scale 3"=1 FT

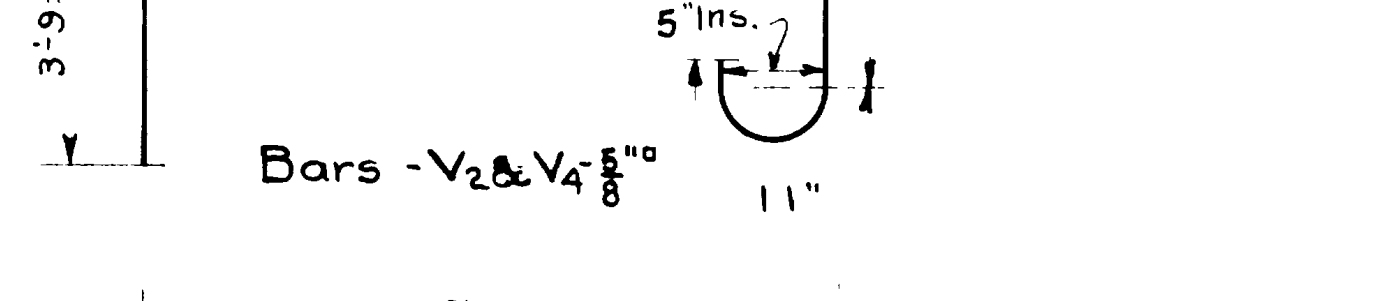
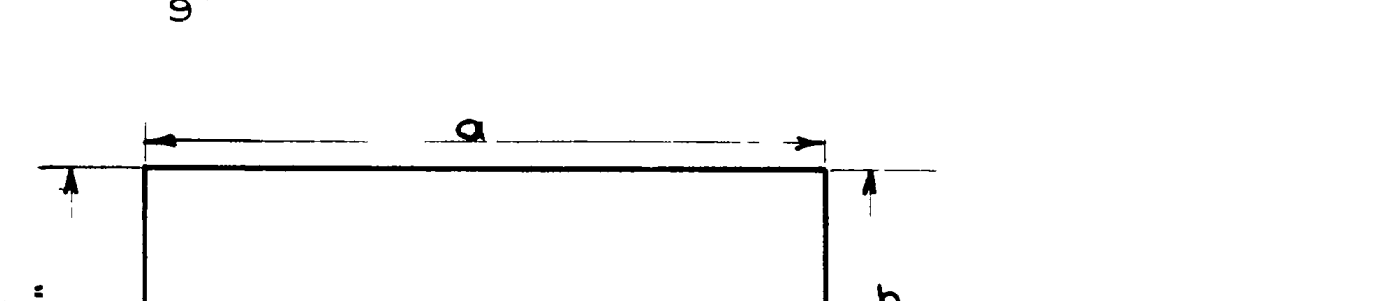
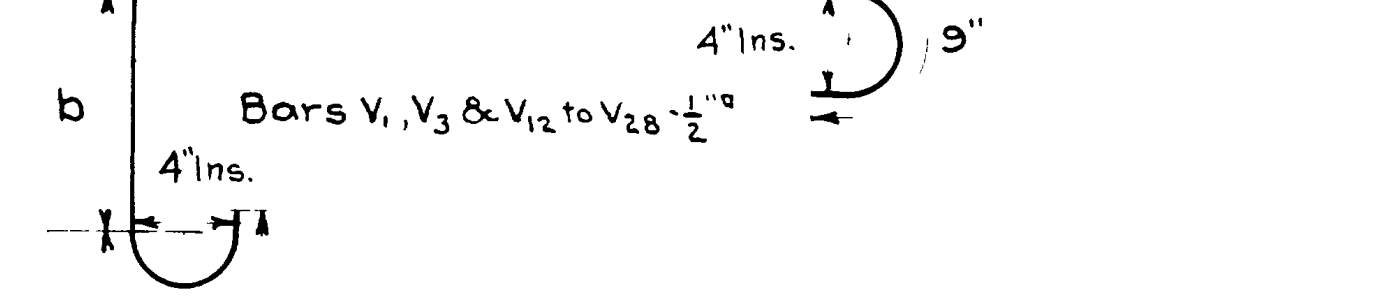
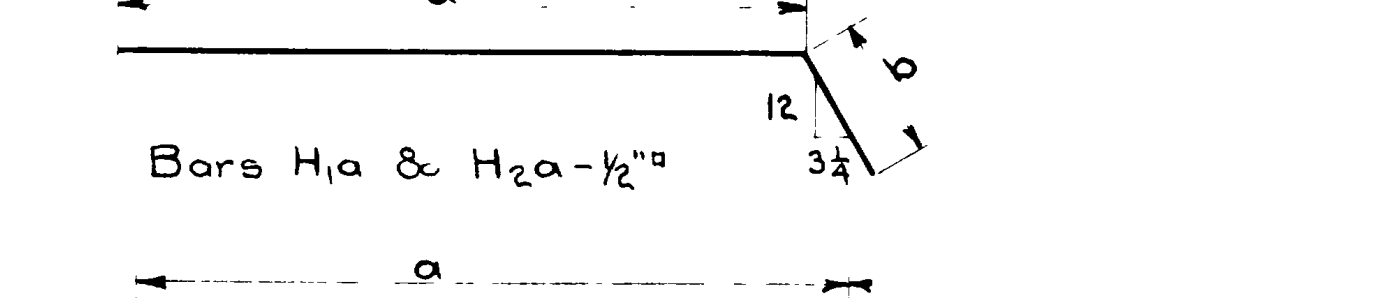
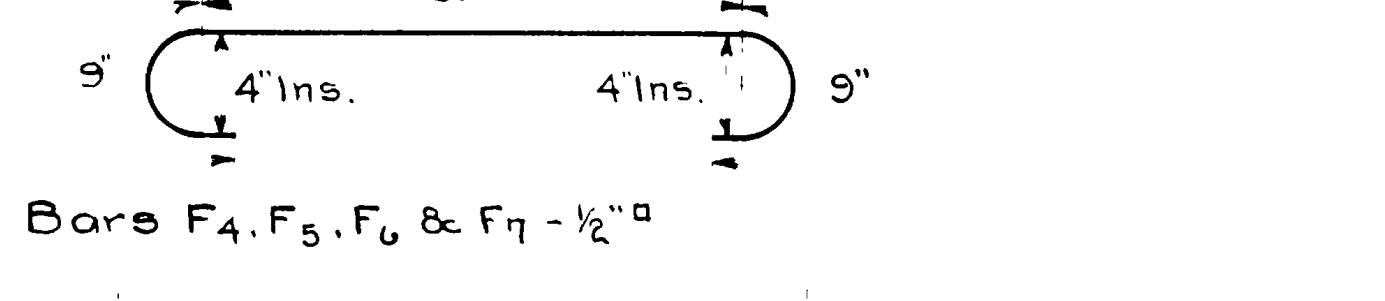
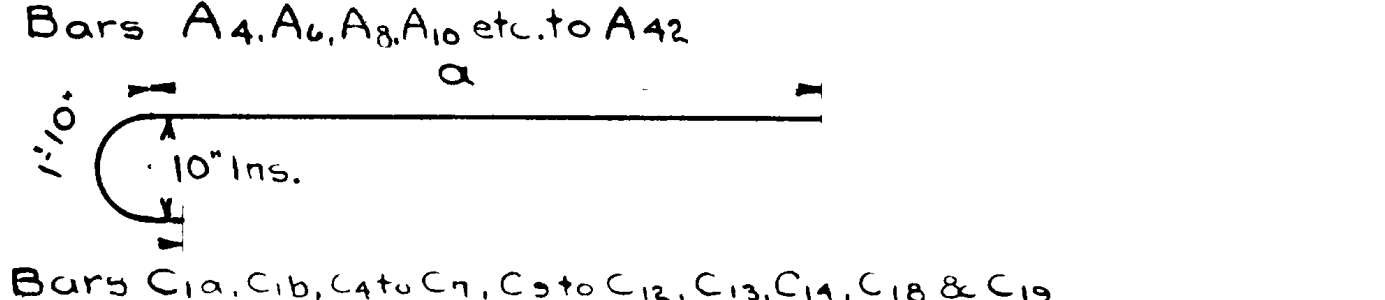
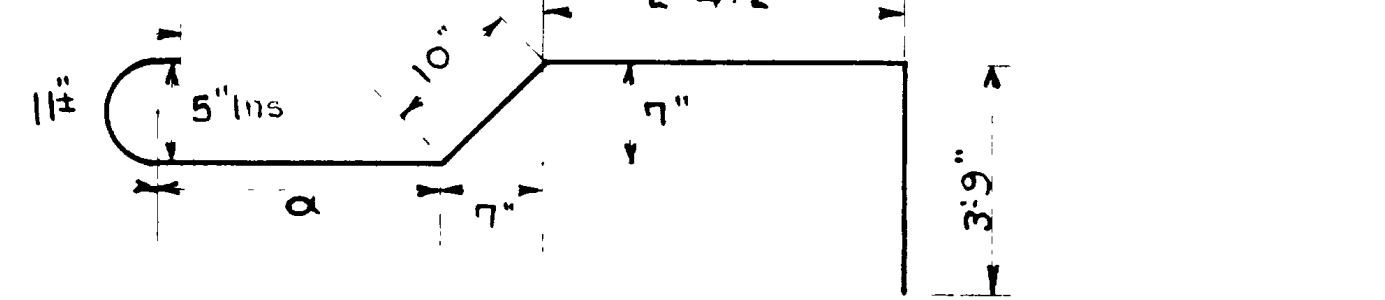
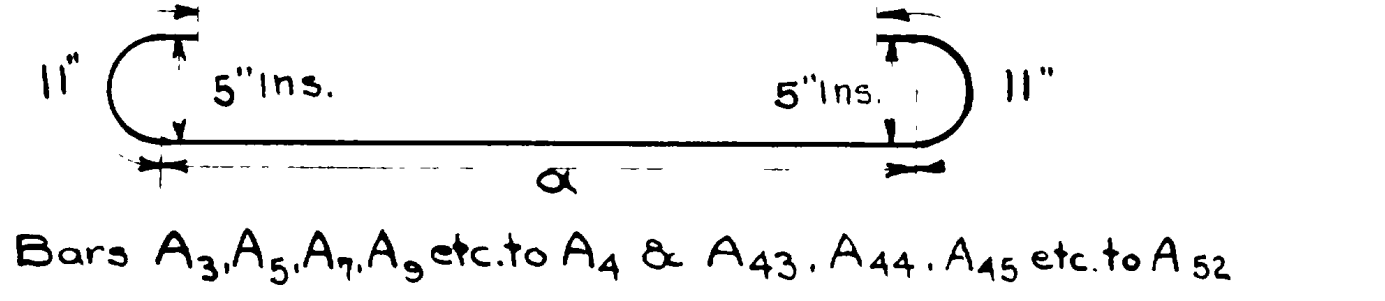
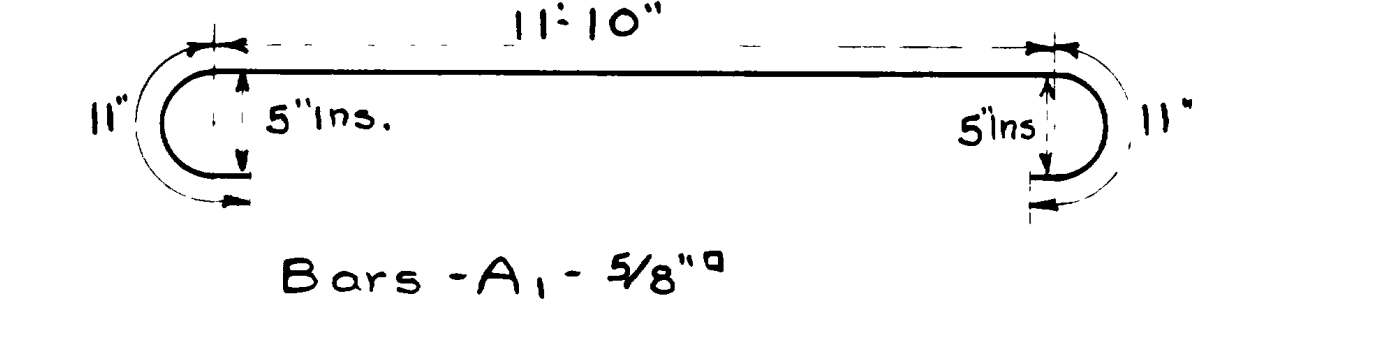
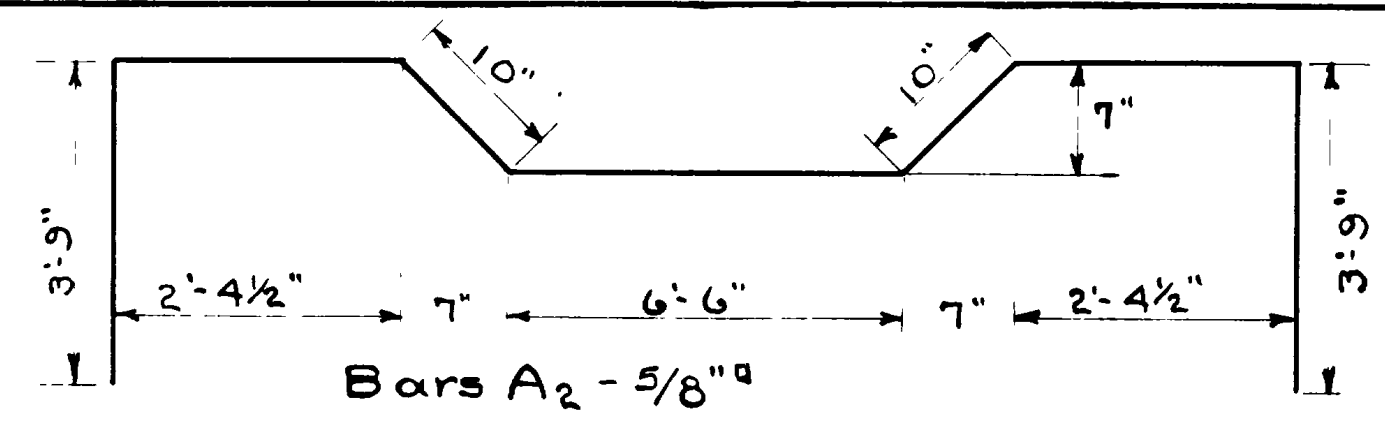
QUANTITIES

Structural Excavation	310' C.Y.
Concrete Rubble Masonry	321' C.Y.
Concrete (Class 'A' 1:2:4 mix)	6 1/2' C.Y.
Sand	106' C.Y.
Gravel	6' C.Y.
Cement	1028' Sacks
Reinforcing Steel	491' Lbs.
Hardware	12,10' Lbs.
Lumber (Net)	17,938' F.B.M.
Creosote	126' Gal.
Tar	52' Gal.
Paint (Std. Br.)	35' Gal.
Paint (Std. White Br.)	5' Gal.

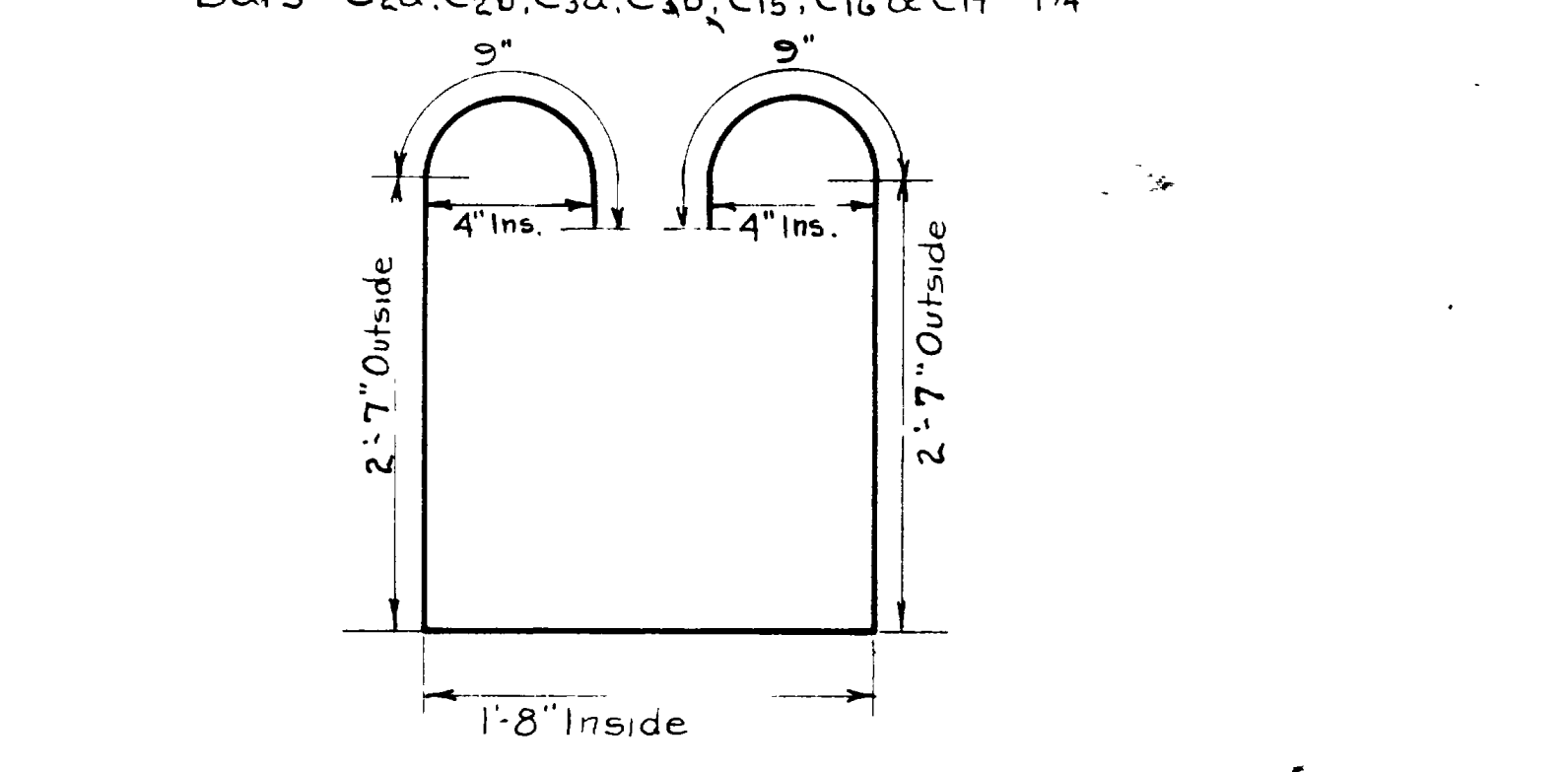
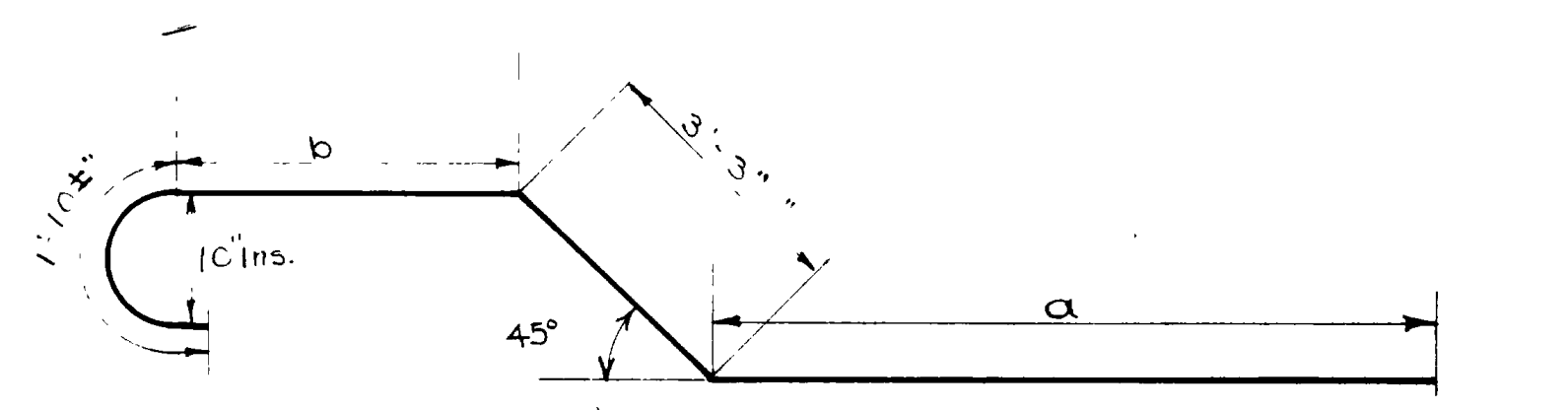
UTAH STATE ROAD COMMISSION
C.R.M. ABUTS & WOOD DECK FOR 100' SPAN
STEEL TRUSS FARMINGTON
CORRECTION STA. 3+31.5
F.A.R. 62-D WEBER COUNTY
H.C. MEANS CHIEF ENGR. SALT LAKE CO.
DESIGNED BY F.M.E. SCALE 1/4" = 1'-0"
DRAWN BY F.M.E. ISSUED
CHECKED BY D.P.T. APPROVED
EXAM BY F.M.E.

BRIDGE NO. 660

REINFORCING STEEL SCHEDULE									REINFORCING STEEL SCHEDULE (CONT)										
MARK	NO.	SIZE	TYPE	SFA	LENG. A'	LENG. B'	LENG. ONE	LENG. ALL	LOCATION	MARK	NO.	SIZE	TYPE	SFA	LENG. A'	LENG. B'	LENG. ONE	LENG. ALL	LOCATION
A1	61	5/8"	Detailed	12"	-	-	13'-8"	833.67	Slab	F6	6	1/2"	Detailed		3'-3"		4'-9"	28.50	Footng Wings B+C
A2	62	"	"	12"			20'-5"	1265.83	"	F7	4	"	"		2'-6"		4'-0"	16.00	"
A3	2	"	"		11'-7"		13'-3"	26.50	"	H1a	18	"	"		37'-9"	2'-3"	40'-0"	720.00	Main Walls
A4	2	"	"		8'-10"		16'-9"	33.50	"	H2a	18	"	"		37'-4"	1'-9"	39'-1"	703.50	"
A5	2	"	"		11'-4"		13'-0"	26.00	"	H1b	36	"	Straight				40'-0"	1440.00	"
A6	2	"	"		8'-7"		16'-6"	33.00	"	H1c	18	"	"				32'-0"	576.00	"
A7	2	"	"		11'-1"		12'-9"	25.50	"	H1d	18	"	"				38'-3"	688.50	"
A8	2	"	"		8'-3"		16'-2"	32.33	"	H3	6	"	"				10'-9"	64.50	Wing A
A9	2	"	"		10'-9"		12'-5"	24.83	"	H4	28	"	"				6'-0"	168.00	Wings B+C
A10	2	"	"		8'-0"		15'-10"	31.67	"	H5	4	"	"				5'-3"	21.00	"
A11	2	"	"		10'-6"		12'-2"	24.33	"	H6	4	"	"				3'-9"	15.00	"
A12	2	"	"		7'-9"		15'-8"	31.33	"	V1	176	"	Detailed		10'-2"	1'-3"	12'-11"	2273.33	Main Wall
A13	2	"	"		10'-3"		11'-11"	23.83	"	V2	132	5/8"	"		10'-4"	1'-3"	16'-4"	2155.67	"
A14	2	"	"		7'-6"		15'-5"	30.83	"	V3	96	1/2"	"		10'-2"	3'-0"	14'-8"	1408.00	"
A15	2	"	"		10'-0"		11'-8"	23.33	"	V4	65	5/8"	"		10'-5"	2'-0"	17'-1"	1110.42	"
A16	2	"	"		7'-3"		15'-2"	30.33	"	V5	18	1/2"	"		12'-6"	3'-0"	16'-3"	292.50	"
A17	2	"	"		9'-9"		11'-5"	22.83	"	V6	2	"	"		7'-6"	1'-7"	9'-10"	19.67	" B+C
A18	2	"	"		6'-11"		14'-9"	29.50	"	V7	2	"	"		8'-2"	1'-10"	10'-9"	21.50	"
A19	2	"	"		9'-6"		11'-2"	22.33	"	V8	18	"	"		8'-10"	2'-1"	11'-8"	210.00	" A,B+C
A20	2	"	"		6'-8"		14'-6"	29.00	"	V9	2	"	"		9'-6"	2'-4"	12'-7"	25.17	" B+C
A21	2	"	"		9'-2"		10'-10"	21.67	"	V10	2	"	"		10'-2"	2'-7"	13'-6"	27.00	"
A22	2	"	"		6'-4"		14'-3"	28.50	"	V11	4	"	"		10'-10"	2'-11"	14'-6"	58.00	"
A23	2	"	"		8'-10"		10'-6"	21.00	"	V12	2	"	"		7'-3"	1'-4"	10'-1"	20.17	"
A24	2	"	"		6'-0"		13'-11"	27.83	"	V13	2	"	"		7'-3"	1'-5"	10'-2"	20.33	"
A25	2	"	"		8'-6"		10'-2"	20.33	"	V14	2	"	"		7'-3"	1'-6"	10'-3"	20.50	"
A26	2	"	"		5'-8"		13'-6"	27.00	"	V15	2	"	"		7'-3"	1'-7"	10'-4"	20.67	"
A27	2	"	"		8'-1"		9'-9"	19.50	"	V16	2	"	"		7'-3"	1'-8"	10'-5"	20.83	"
A28	2	"	"		5'-3"		12'-2"	24.33	"	V17	2	"	"		7'-3"	1'-9"	10'-6"	21.00	"
A29	2	"	"		7'-8"		9'-4"	18.67	"	V18	2	"	"		7'-3"	1'-10"	10'-7"	21.17	"
A30	2	"	"		4'-10"		12'-9"	25.50	"	V19	2	"	"		7'-3"	1'-11"	10'-8"	21.33	"
A31	2	"	"		7'-4"		9'-0"	18.00	"	V20	2	"	"		7'-7"	1'-5"	10'-6"	21.00	"
A32	2	"	"		4'-5"		12'-3"	24.50	"	V21	2	"	"		8'-3"	1'-6"	11'-3"	22.50	"
A33	2	"	"		6'-11"		8'-7"	17.17	"	V22	2	"	"		8'-11"	1'-7"	12'-0"	24.00	"
A34	2	"	"		4'-0"		11'-10"	23.67	"	V23	2	"	"		9'-4"	1'-8"	12'-6"	25.00	"
A35	2	"	"		6'-5"		8'-1"	16.17	"	V24	2	"	"		9'-9"	1'-9"	13'-0"	26.00	"
A36	2	"	"		3'-7"		11'-5"	22.83	"	V25	2	"	"		10'-3"	1'-10"	13'-7"	27.17	"
A37	2	"	"		6'-0"		7'-8"	15.33	"	V26	2	"	"		10'-8"	1'-11"	14'-1"	28.17	"
A38	2	"	"		3'-1"		10'-11"	21.83	"	V27	21	"	"		12'-4"	2'-0"	15'-10"	332.50	only A+D
A39	2	"	"		5'-6"		7'-2"	14.33	"	W2	4	"	"				7'-6"	30.00	" B+C
A40	2	"	"		2'-7"		10'-6"	21.00	"	R	60	"	"				4'-6"	270.00	Rail Posts
A41	2	"	"		5'-0"		6'-8"	13.33	"	S1	122	"	Detailed				8'-4"	1016.63	Curb
A42	2	"	"		2'-1"		10'-0"	20.00	"	V28	7	"	"		10'-2"	2'-0"	13'-8"	95.67	Main Wall
A43	2	"	"		4'-6"		6'-2"	12.33	"	Total Lin. Ft. 1 1/4" = 2,156.67 x 5.35 per lin.ft. = 11,538.18									
A44	2	"	"		4'-2"		5'-10"	11.67	"	" " " 5/8" = 6,427.56 x 1.35 per lin.ft. = 8,677.21									
A45	2	"	"		3'-11"		5'-7"	11.17	"	" " " 1/2" = 13,946.68 x .86 per lin.ft. = 11,994.14									
A46	2	"	"		3'-8"		5'-4"	10.67	"	Total Weight = 32,209.53									
A47	2	"	"		3'-4"		5'-0"	10.00	"										
A48	2	"	"		3'-2"		4'-10"	9.67	"										
A49	2	"	"		2'-10"		4'-6"	9.00	"										
A50	2	"	"		2'-7"		4'-3"	8.50	"										
A51	2	"	"		2'-4"		4'-0"	8.00	"										
A52	2	"	"		2'-1"		3'-9"	7.50	"										
B1a	26	1/2"	Straight				40'-0"	1040.00	"										
B1b	13	"	"				31'-4"	407.33	"										
C1a	32	1 1/4"	Detailed		38'-2"		40'-0"	1280.00	Curb										
C1b	16	"	"		15'-2"		17'-0"	272.00	"										
C2a	4	"	"		28'-6"	6'-4"	40'-0"	160.00	"										
C2b	2	"	"		7'-11"	5'-11"	19'-0"	38.00	"										
C3a	2	"	"		25'-5"	9'-5"	40'-0"	80.00	"										
C3b	1	"	"		4'-11"	8'-11"	19'-0"	19.00	"										
C4	1	"	"		16'-0"		18'-9"	18.75	"										
C5	1	"	"		16'-4"		18'-2"	18.17	"										
C6	2	"	"		15'-8"		17'-6"	35.00	"										
C7	1	"	"		15'-2"		17'-0"	17.00	"										
C8	1	"	"		14'-6"		16'-4"	16.33	"										
C9	1	"	"		14'-0"		15'-10"	15.83	"										
C10	2	"	"		13'-4"		15'-2"	30.33	"										
C11	1	"	"		12'-9"		14'-7"	14.58	"										
C12	1	"	"		12'-1"		13'-11"	13.92	"										
C13	1	"	"		11'-7"		13'-5"	13.42	"										
C14	2	"	"		11'-0"		12'-10"	25.67	"										
C15	1	"	"		8'-9"	8'-0"	21'-11"	21.92	"										
C16	1	"	"		5'-10"	8'-7"	19'-7"	19.58	"										
C17	1	"	"		8'-9"	3'-3"	17'-2"	17.17	"										
C18	2	"	"		13'-2"		15'-0"	30.00	"										
F1a	14	1/2"	Straight				40'-0"	560.00	Main Toe+Heel										
F1b	4	"	"				30'-0"	120.00	"										
F2	5	"	"				8'-0"	40.00	Wing A										
F3	6	"	"				6'-10"	41.00	Wings B+C										
F4	140	"	Detailed		4'-6"		6'-0"	840.00	Footng										
F5	6	"	"		4'-5"		6'-3"	37.50	Wings B+C										



FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
12	UTAH	G2-D			



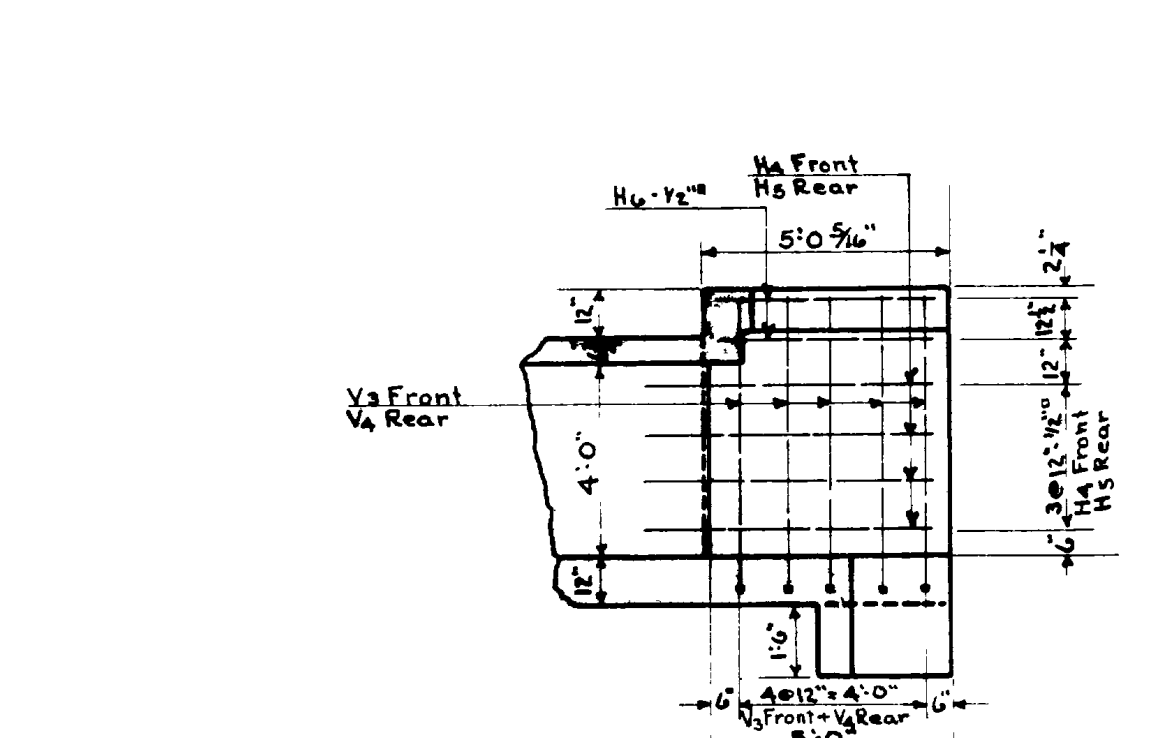
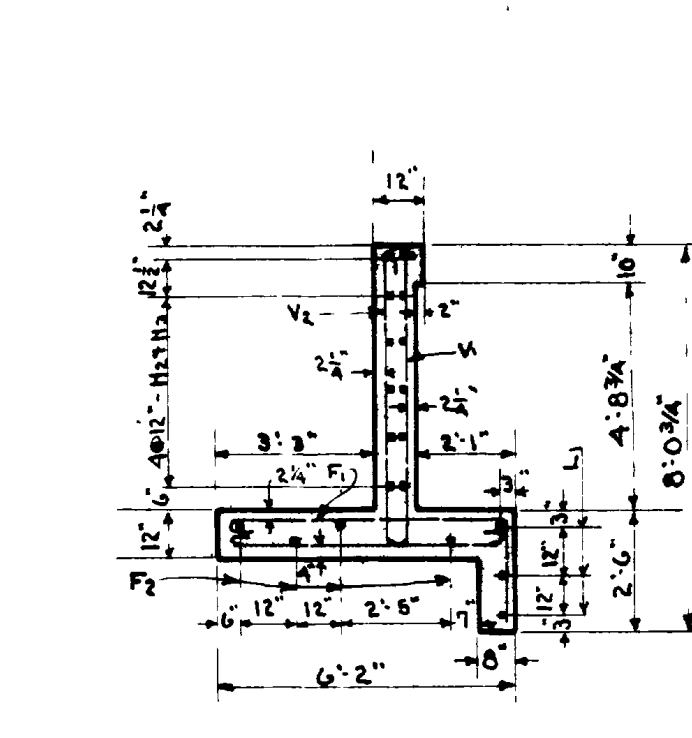
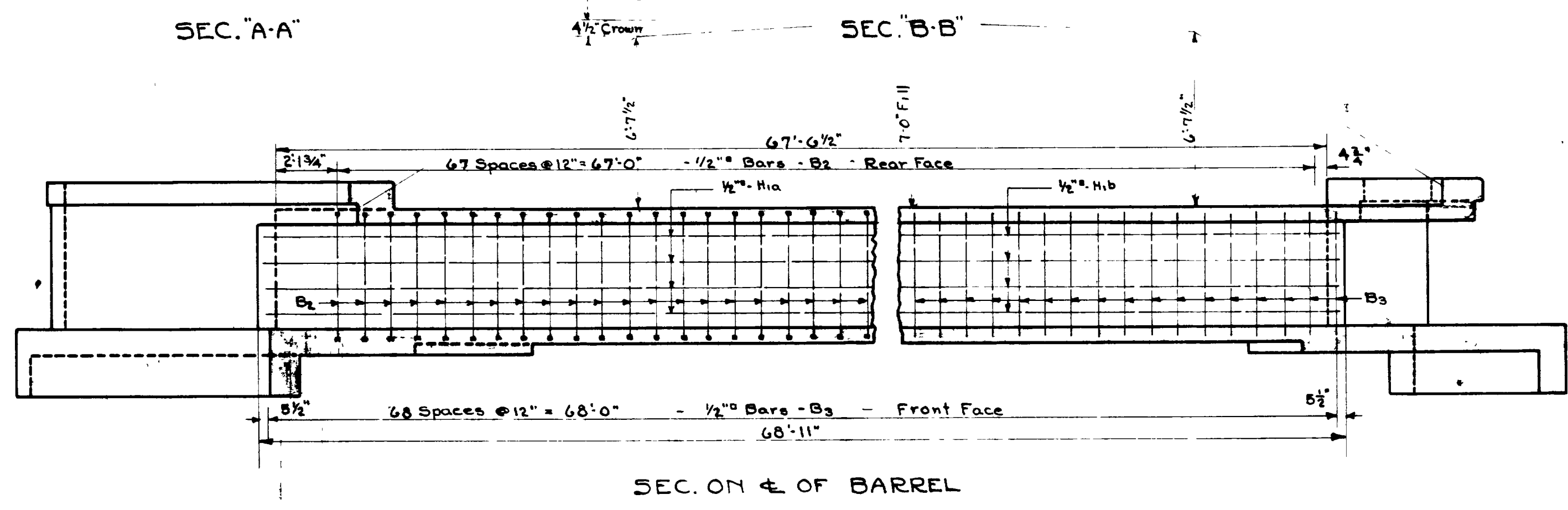
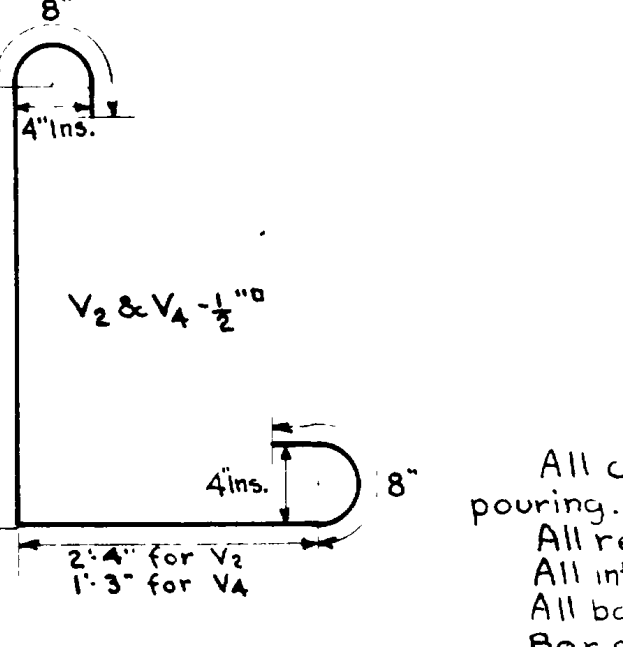
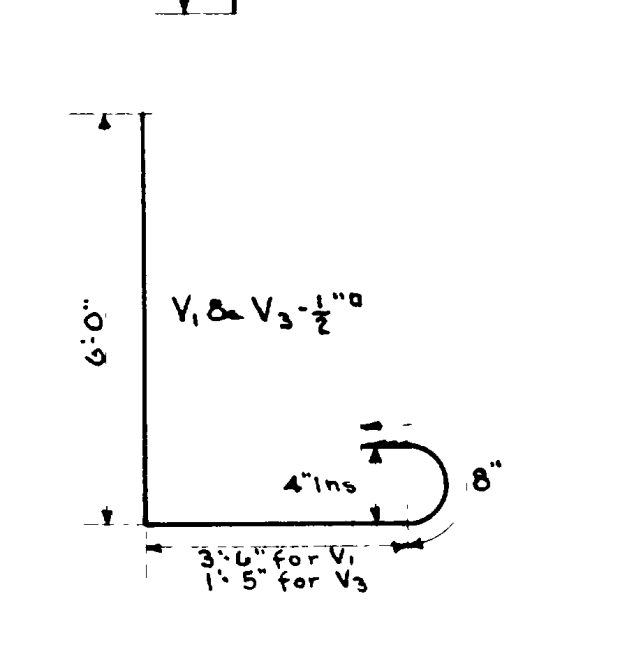
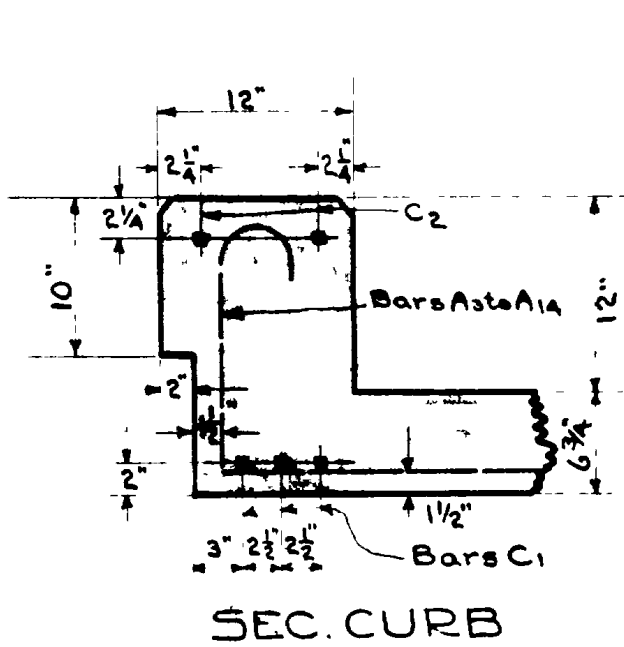
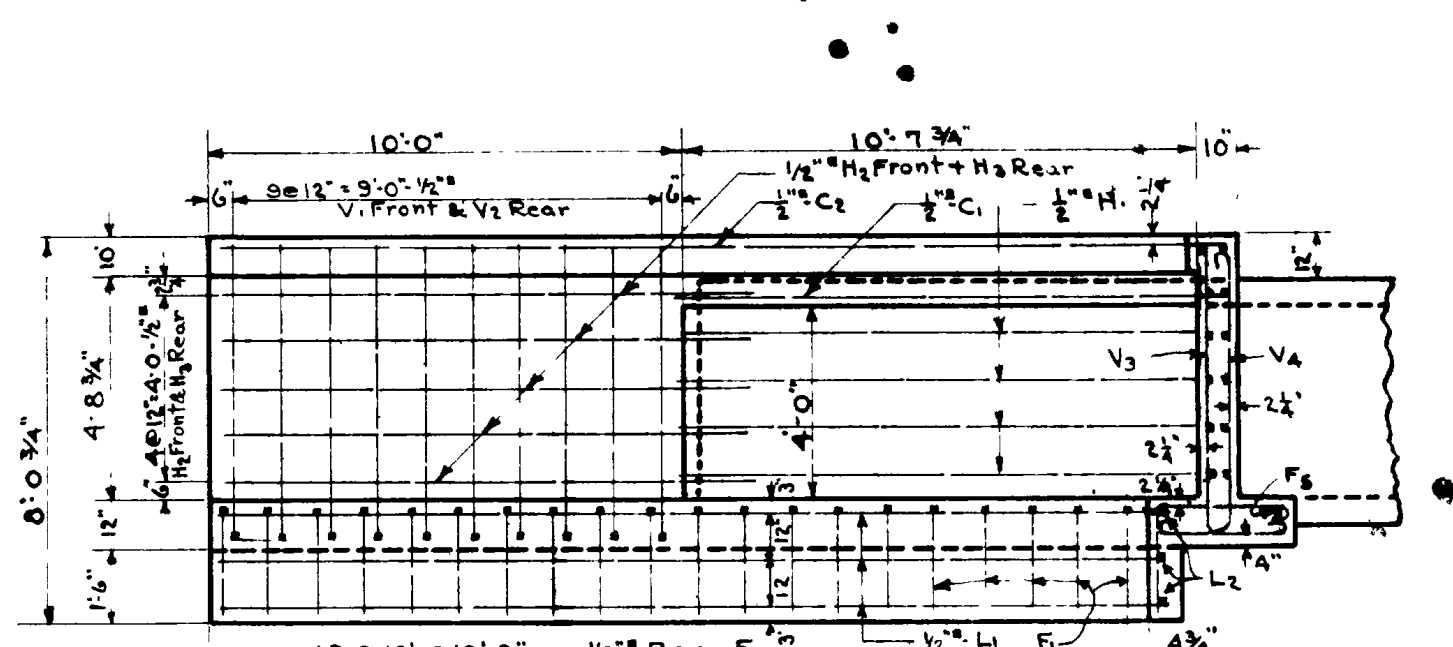
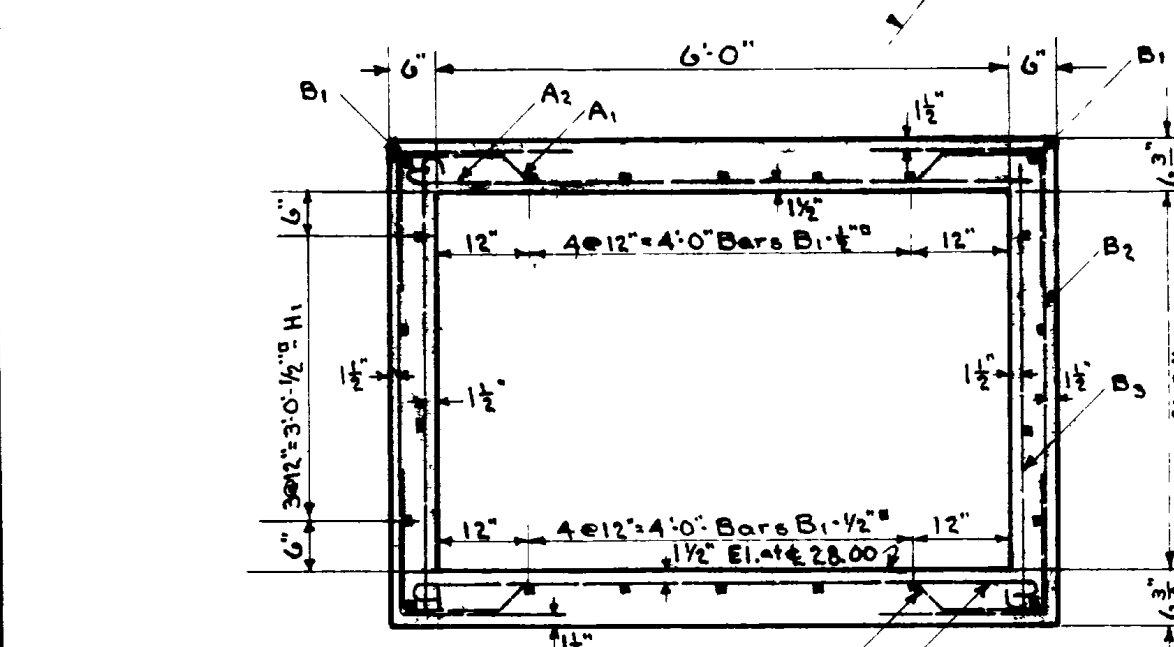
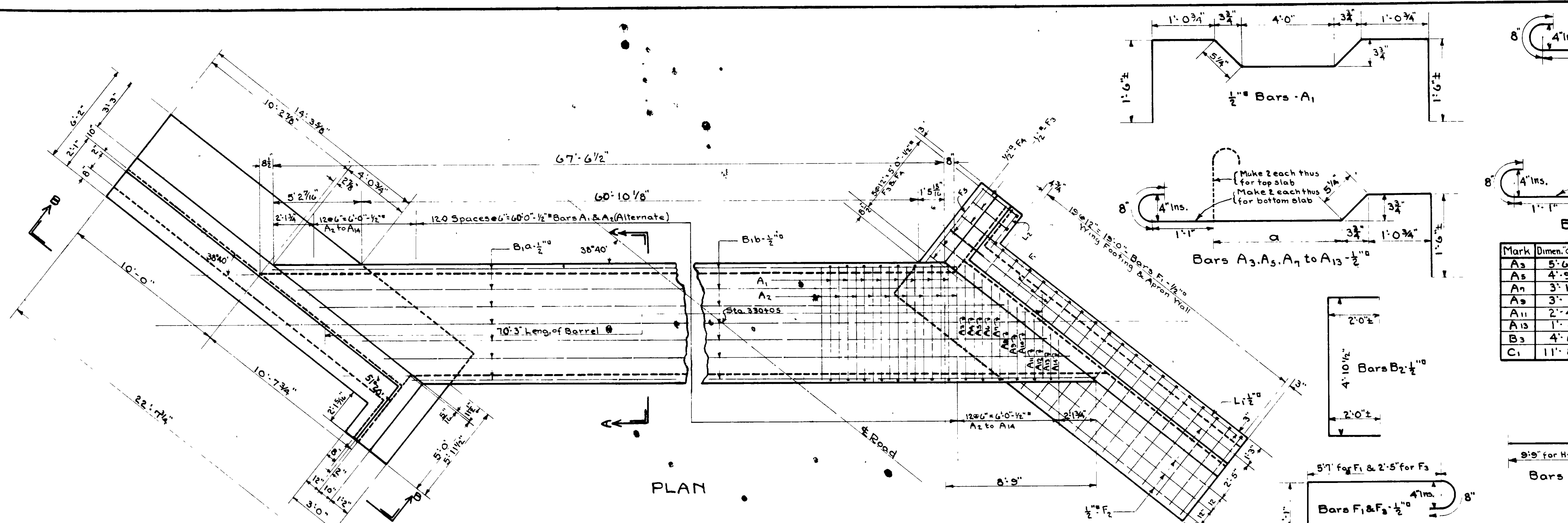
Revised 11-5-26 F.M.E.
 Revision Checked F.M.E. 10-24-26
 Revised Oct. 20, 1926 - D.P.T.

UTAH STATE ROAD COMMISSION
 11 0' SPAN OVER U.P.&L. CO. WOOD STAVE
 PIPE LINE - UINTAH TO MORGAN CO. LINE
 F.A.P. 62-D - STA 413+65.7 - YEEBER CO.
 H.A. BROWNING CHIEF ENGR. SALT LAKE CITY

DESIGNED BY H.M.D.T. SCALE NONE
 DRAWN BY D.E.T. ISSUED Sept. 13, 1926
 CHECKED BY H.W.G. APPROVED [Signature]
 EXAM'D BY [Signature] CH. ENR. ENGR.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	62-D			

REINFORCING SCHEDULE						
Mark	Size	No.	Type	Spa.	Length	Location
A1	1/2"	120	Detailed	12"	10'-0"	Top & Bottom Slab
A2	1/2"	122	"	"	7'-9"	"
A3	1/2"	4	"	"	10'-3"	"
A4	1/2"	4	"	"	8'-9"	"
A5	1/2"	4	"	"	9'-6"	"
A6	1/2"	4	"	"	7'-11"	"
A7	1/2"	4	"	"	8'-8"	"
A8	1/2"	4	"	"	7'-1"	"
A9	1/2"	4	"	"	7'-10"	"
A10	1/2"	4	"	"	6'-4"	"
A11	1/2"	4	"	"	7'-1"	"
A12	1/2"	4	"	"	5'-6"	"
A13	1/2"	4	"	"	6'-3"	"
A14	1/2"	4	"	"	4'-8"	"
B1a	1/4"	14	Straight	12"	40'-0"	"
B1b	1/4"	14	"	"	30'-9"	"
B2	1/4"	136	Detailed	"	8'-11"	Side Walls
B3	1/4"	138	"	"	5'-10"	"
C1	1/4"	6	"	"	13'-0"	Curb
C2	1/4"	4	Straight	"	21'-0"	"
F1	1/4"	40	Detailed	12"	8'-4"	Wing Footing & Apron
F2	1/4"	8	Straight	"	22'-3"	"
F3	1/4"	6	Detailed	12"	5'-2"	"
F4	1/4"	6	"	"	4'-4"	"
H1a	1/4"	8	"	12"	40'-0"	Side Walls
H1b	1/4"	8	"	"	29'-6"	"
H2	1/4"	10	Detailed	"	11'-10"	Long Wing
H3	1/4"	10	"	"	11'-8"	"
H4	1/4"	8	"	"	6'-9"	Short
H5	1/4"	8	"	"	6'-5"	"
H6	1/4"	8	Straight	"	4'-9"	"
L1	1/4"	6	"	"	20'-0"	Apron
L2	1/4"	4	"	"	2'-3"	"
V1	1/4"	20	Detailed	12"	10'-2"	Long Wing
V2	1/4"	20	"	"	9'-6"	"
V3	1/4"	10	"	"	8'-1"	Short
V4	1/4"	10	"	"	8'-5"	"
F5	1/4"	2	Straight	"	6'-0"	Fasten



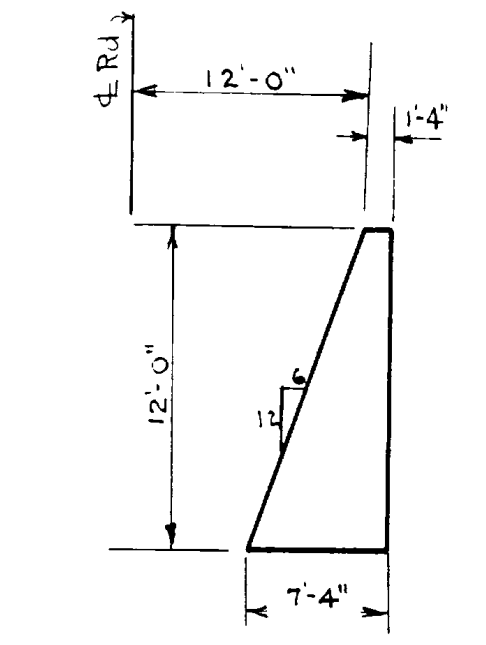
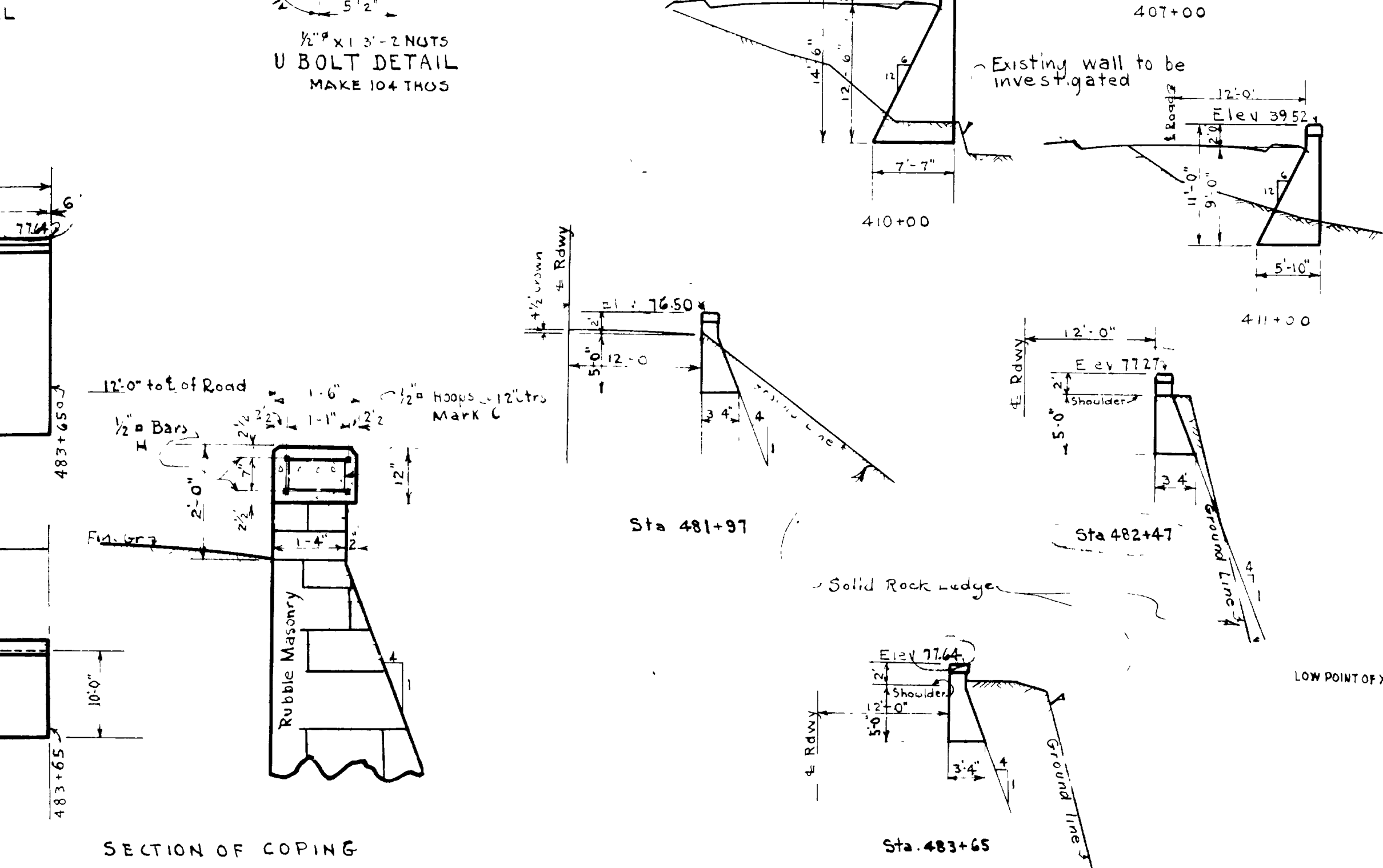
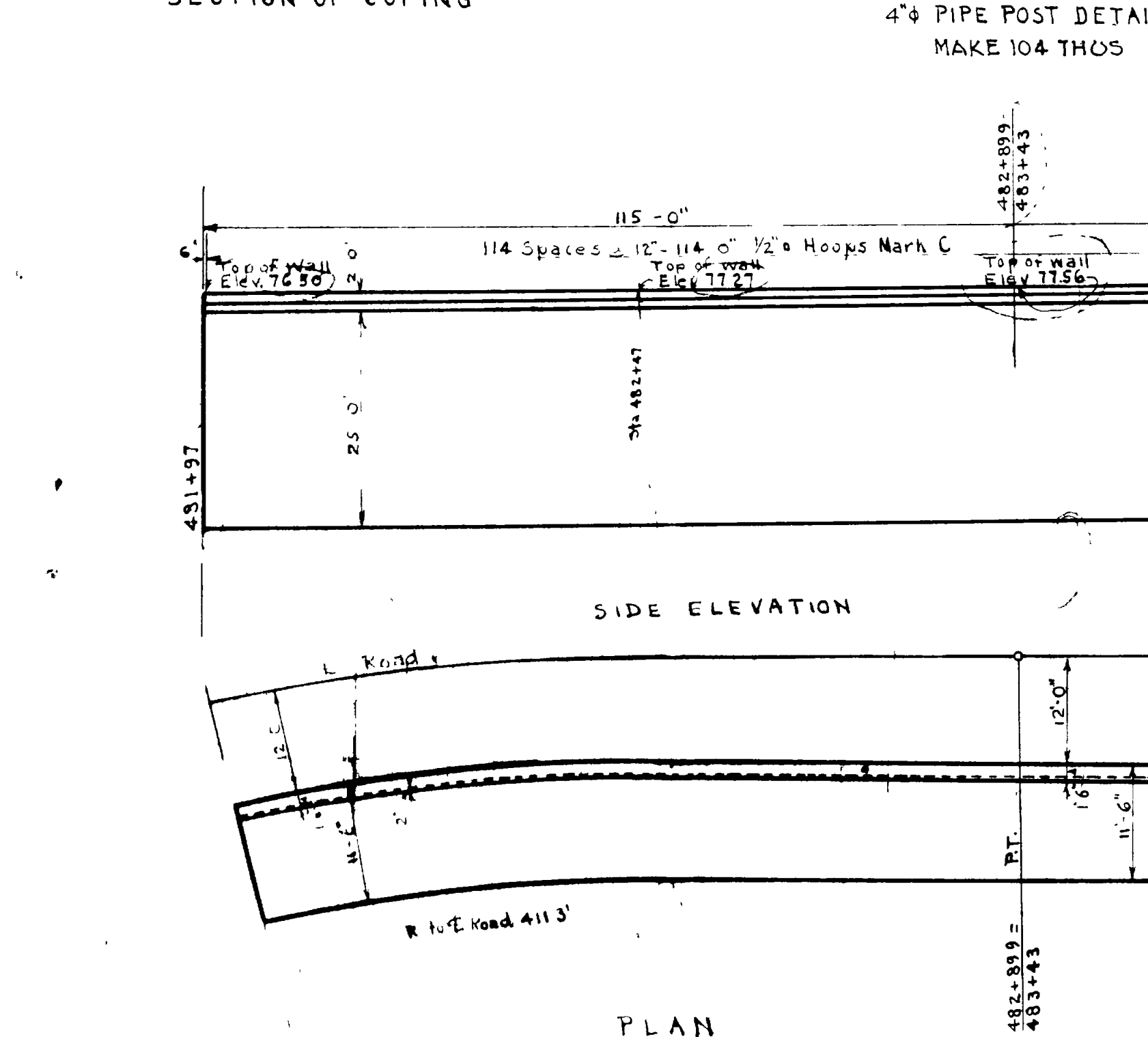
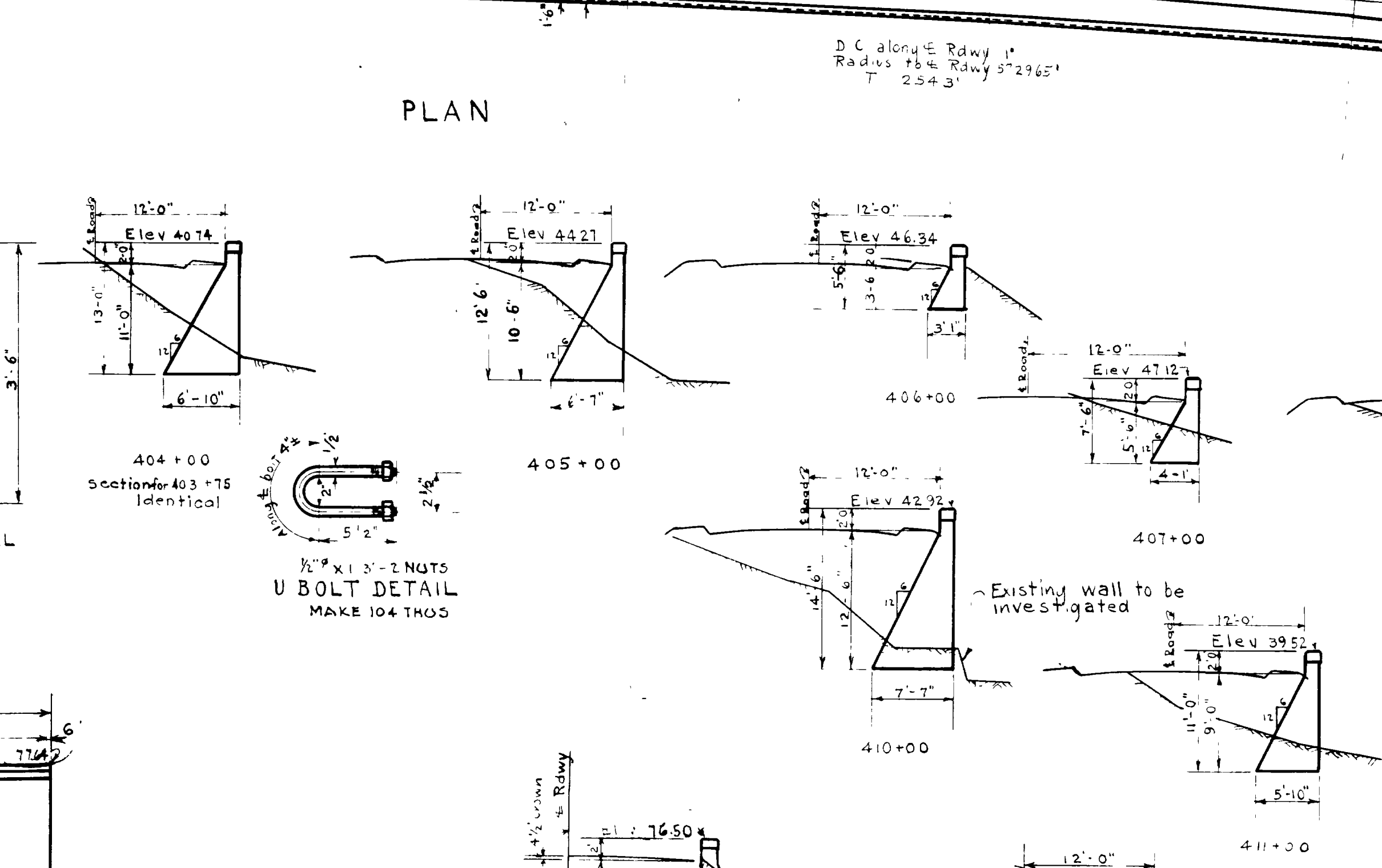
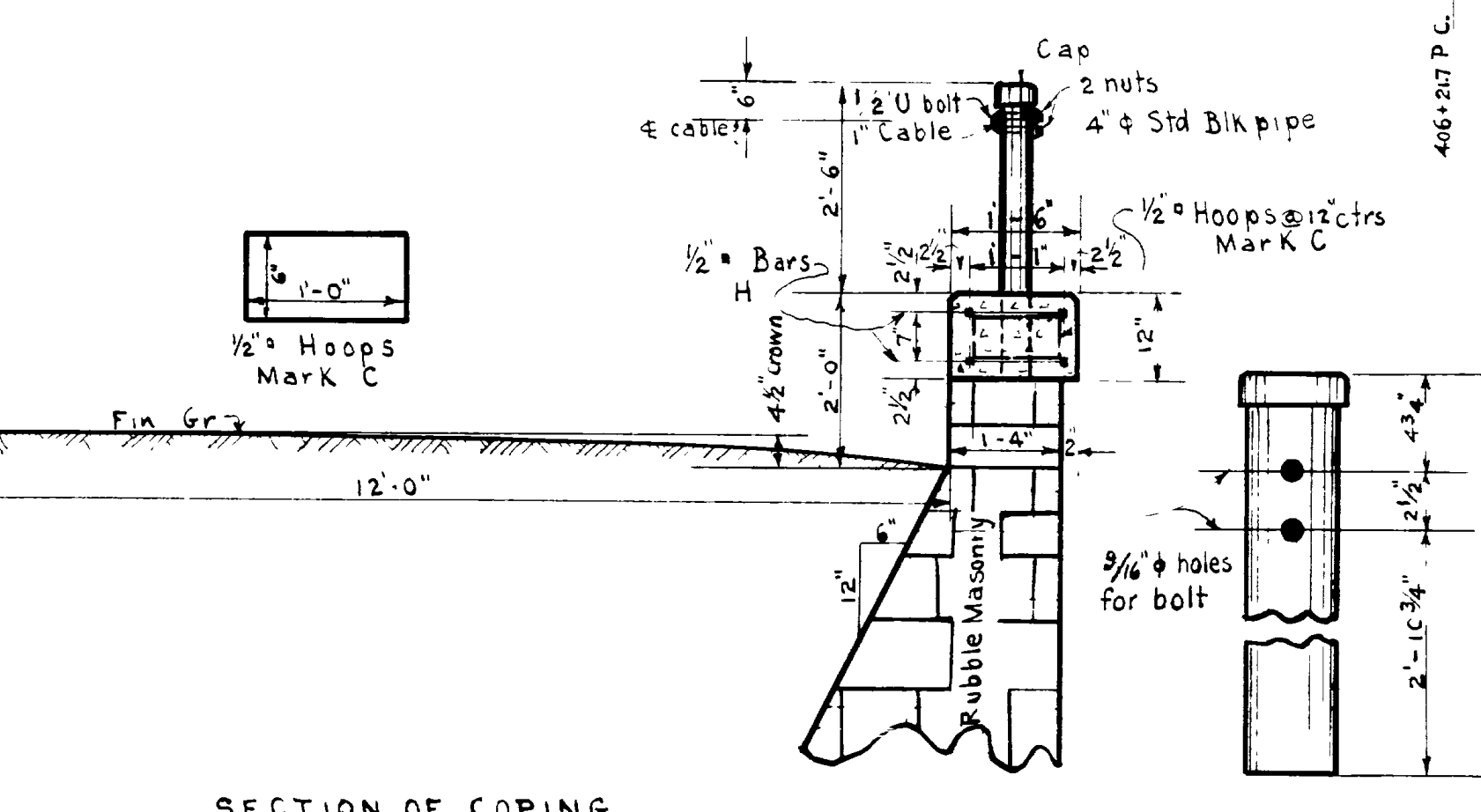
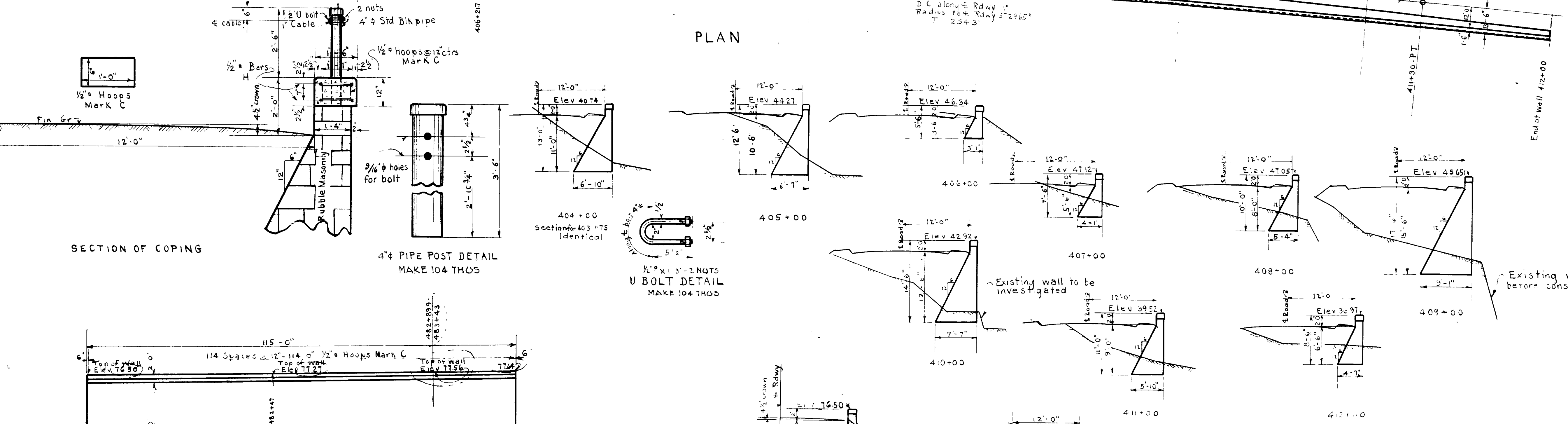
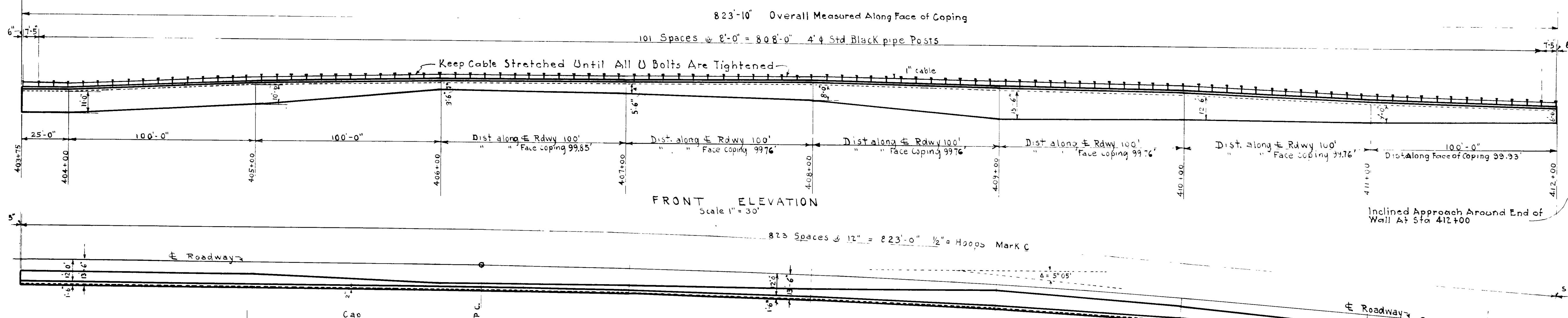
GENERAL NOTES
 All concrete to be Class A (1:2:4 Mix). Top of slab to be kept moist for 21 days after pouring. All exposed edges to be chamfered 3/4" unless otherwise specified.
 All reinforcing to be deformed square bars of structural steel grade.
 All intersections of reinforcing to be securely tied with No. 16 wire to prevent displacement.
 All bars not detailed to be straight or field bent bars.
 Bar diagrams not drawn to scale.

DESIGN DATA
 Live Load-neglected as height of fill exceeds length of span.
 Dead Load-120#*Cu. Ft. for 1st foot of fill and 100#*Cu. Ft. for each succeeding Ft.
 Allowable Stresses-16000#*in. for Steel in tension and 650#*in. for Concrete in compression.
 Seven feet of fill at Road.
 24'0" Roadway-4 1/2" crown.

QUANTITIES	
Excavation	70° C.Y.
Concrete	48° C.Y.
Sand	21° C.Y.
Gravel	42° C.Y.
Cement	303° Sacks
Reinforcing Steel	6 773° Lbs.

UTAH STATE ROAD COMMISSION
 6'x4' BOX CULVERT-70'3" LONG.
 51°20'SKEW STA. 330+05
 F.A.P. 62-D WEBER COUNTY
 H. C. MEANS, CHIEF ENGR. SALT LAKE CITY
 DESIGNED BY D.P.T. SCALE 1/4"=1'-0"
 DRAWN BY D.P.T. ISSUED Sep 19 1952
 CHECKED BY F.M.E. APPROVED [Signature]
 EXAM'D BY [Signature] CH. BR. ENGR.
 BRIDGE NO. _____ DRG. NO. E316

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
12	UTAH	62-D			



PROTECTION WALL FOR UP & L TOWER
STA 401+62 to STA 401+81

QUANTITIES

Excavation	25 cu yds
Cement Rubble Masonry	48 cu yds.
Cement	148 SACKS
Sand	15 cu yds.

REINFORCING STEEL SCHEDULE WALL STA 481+97-483+65

Mark	No.	Type	Size	Length	Total Length
C	115	Detailed	3/8"	345.00	345.00
H	12	Str.	40"	480.00	480.00
				Total Lin. Ft.	825.00
				Wt.	709.50

QUANTITIES FOR WALL STA 481+97-483+65

Excavation	109.0 cu yds
Concrete Class A	62 cu yds
Rubble Masonry	55 cu yds
Cement	210 SACKS
Sand	21 cu yds
Gravel	21 cu yds
Reinforcing Steel	710 lbs

REINFORCING STEEL SCHEDULE UP & L WALL

Mark	No.	Type	Size	Length	Total Length
C	874	Detailed	3/8"	1472.00	1472.00
H	84	Str.	40"	2360.00	2360.00
				Total Lin. Ft.	3832.00
				Wt.	3081.45

QUANTITIES FOR UP & L WALL STA 405+50-412+00

Excavation	655 cu yds
Cement Rubble Masonry	1158 cu yds
Concrete Class A	46 cu yds
Cement	1887 SACKS
Sand	151 cu yds
Gravel	41 cu yds
Reinforcing Steel	5087 lbs
1" cable	824 lin. ft.
104 1/2" x 4" Black pipe & caps	104 lin. ft.
104 1/2" U bolt	104 lbs
104 Bridge Paint Containers	104 lbs

Note: Weepholes required at ground elevation and at roadway elevation, rock fill to be made at weephole. 3" Tile pipe for weepholes to be furnished by contractor.

Revised 6-17-27 J.A.U.
Revised 5-17-27 J.A.U.
Revised 12-1-26 F.M.E.
UTAH STATE ROAD COMMISSION
PROTECTION WALL UP & L TOWER STA 405+50-412+00
WALL ALONG RIVER BANK STA 481+97-483+65
F.A.P. 62-D WEBER CO
I.R.A. BROWNING CHIEF ENGR. SALT LAKE CITY
DESIGNED BY F.M.E. SCALE 3/8" = 1'-0"
DRAWN BY J.A.U. ISSUED 12-1-26
CHECKED BY F.M.E. APPROVED [Signature]
EXAM. D. BY [Signature] CH. ENGR.
BRIDGE NO. _____ DRG NO. V-51