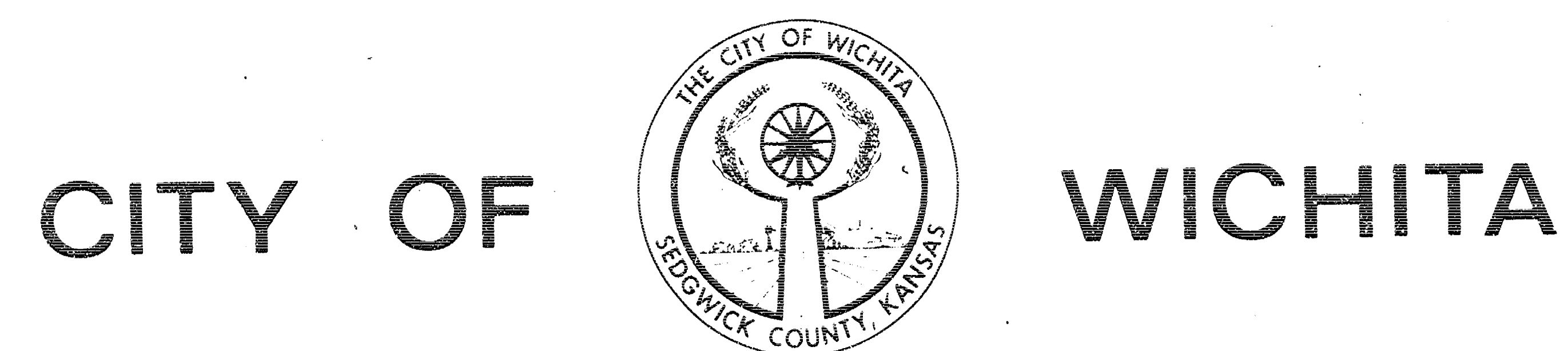


LINCOLN STREET BRIDGE AND DAM

OVER THE

ARKANSAS RIVER



WILLIAM D. ANDERSON, MAYOR

DONALD K. ENOCH A. PRICE WOODARD JR.

WALTER M. KEELER CLARENCE E. VOLLMER

COMMISSIONERS

RALPH WULZ, CITY MANAGER

DEPARTMENT OF PUBLIC WORKS

R. W. BRUGGEMAN, P.E. DIRECTOR OF PUBLIC WORKS

BILL E. SMITH, P.E. CITY ENGINEER

R. S. DELAMATER & ASSOCIATES, WICHITA, CONSULTING ENGINEERS

PROJECT C18-46

DECEMBER, 1968

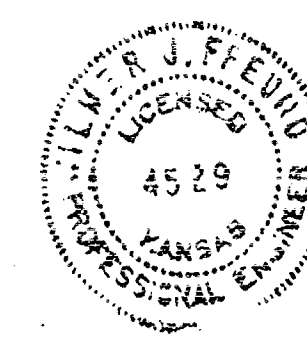
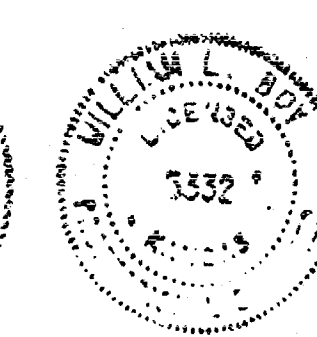
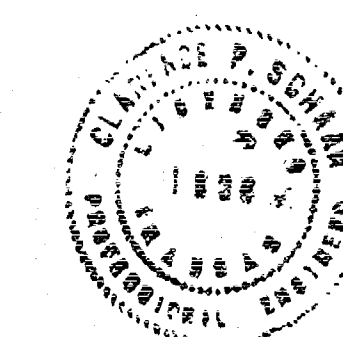
INDEX OF SHEETS

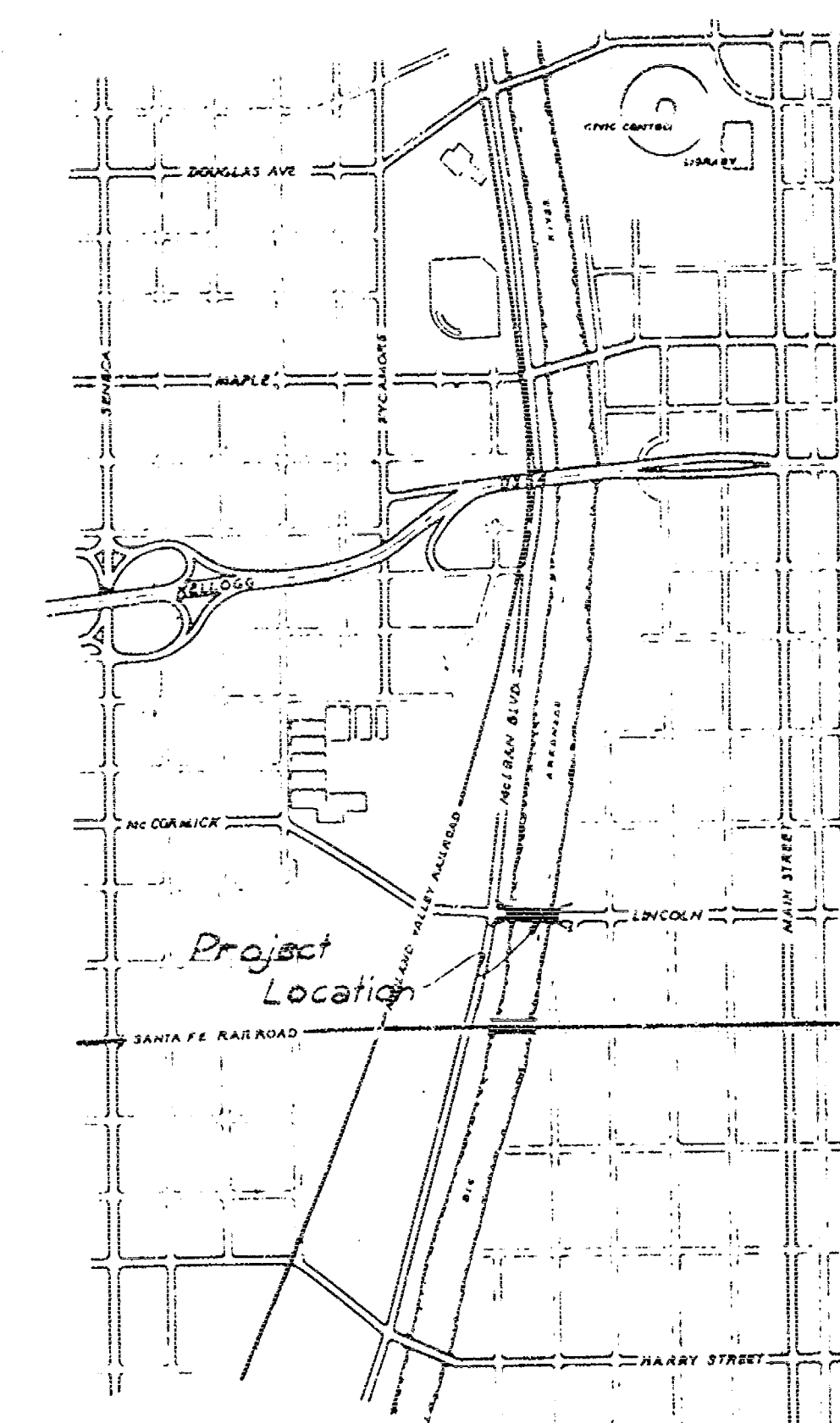
1. Title Sheet
2. Location Map, Grading and Riprap Details
3. Dam Layout
4. Dam Foundation Details
5. Control Vault Details
6. Piping and Controls
7. General Notes and Summary of Quantities
8. Bridge Layout
9. Details, Abutment 1
10. Details, Abutment 2
11. Piers 2, 3 & 4
Piers 6, 7 & 8
12. Details, Pier 5
13. Details, Pier 1
14. Details, Pier 9
15. Superstructure Details
16. Sidewalk Details
17. Handrail Details
18. Auxiliary Details
19. Bar List and Bending Diagrams
20. Approach Slabs
21. Electrical Layout - *failed to show As-Built Bridge Lighting*

FLOOD CONTROL

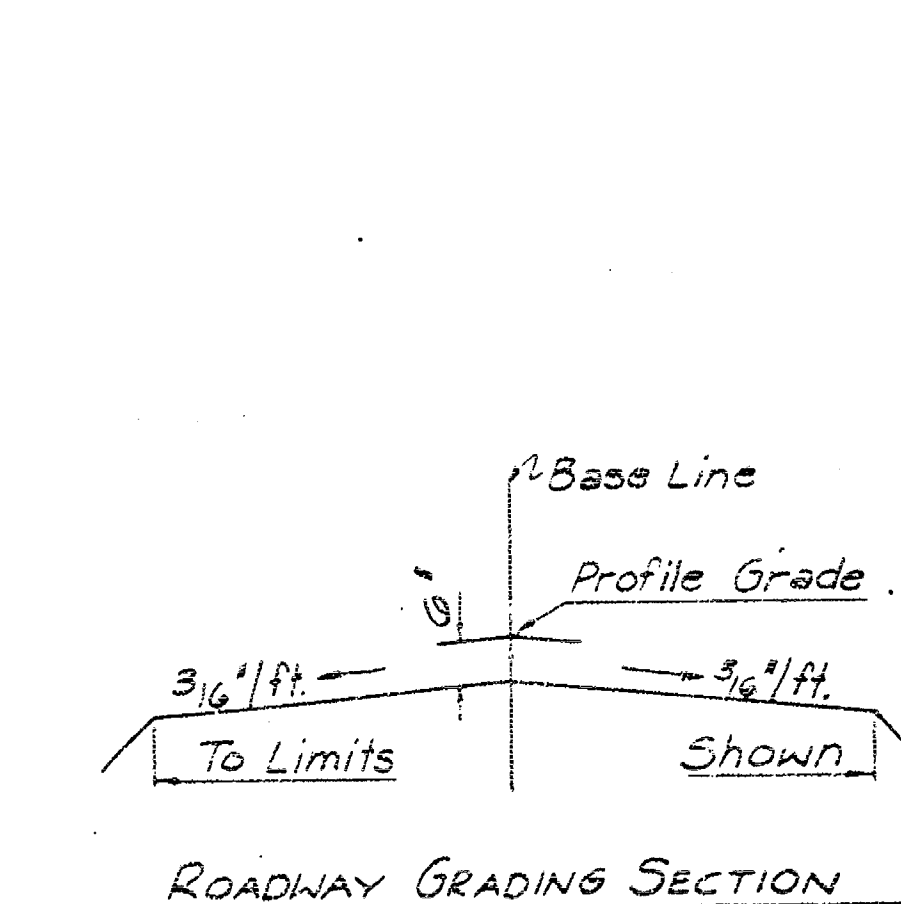
OFFICE COPY

AS-BUILT PLANS





LOCATION MAP



NOTE:

See Sheet 3 for Jam Layout.

See Sheet 8 for Bridge Layout.

See Sheet 3 for location of riprap sections; concrete riprap shall be Class A Concrete, 6" thick, reinforced with 6x6, 6/6 mesh, with toewalls as indicated. Form or cut joints as indicated and at approximately 10' spacing elsewhere, with steel thru the joints.

See Specifications for details of Dumped Rock
Riirap.

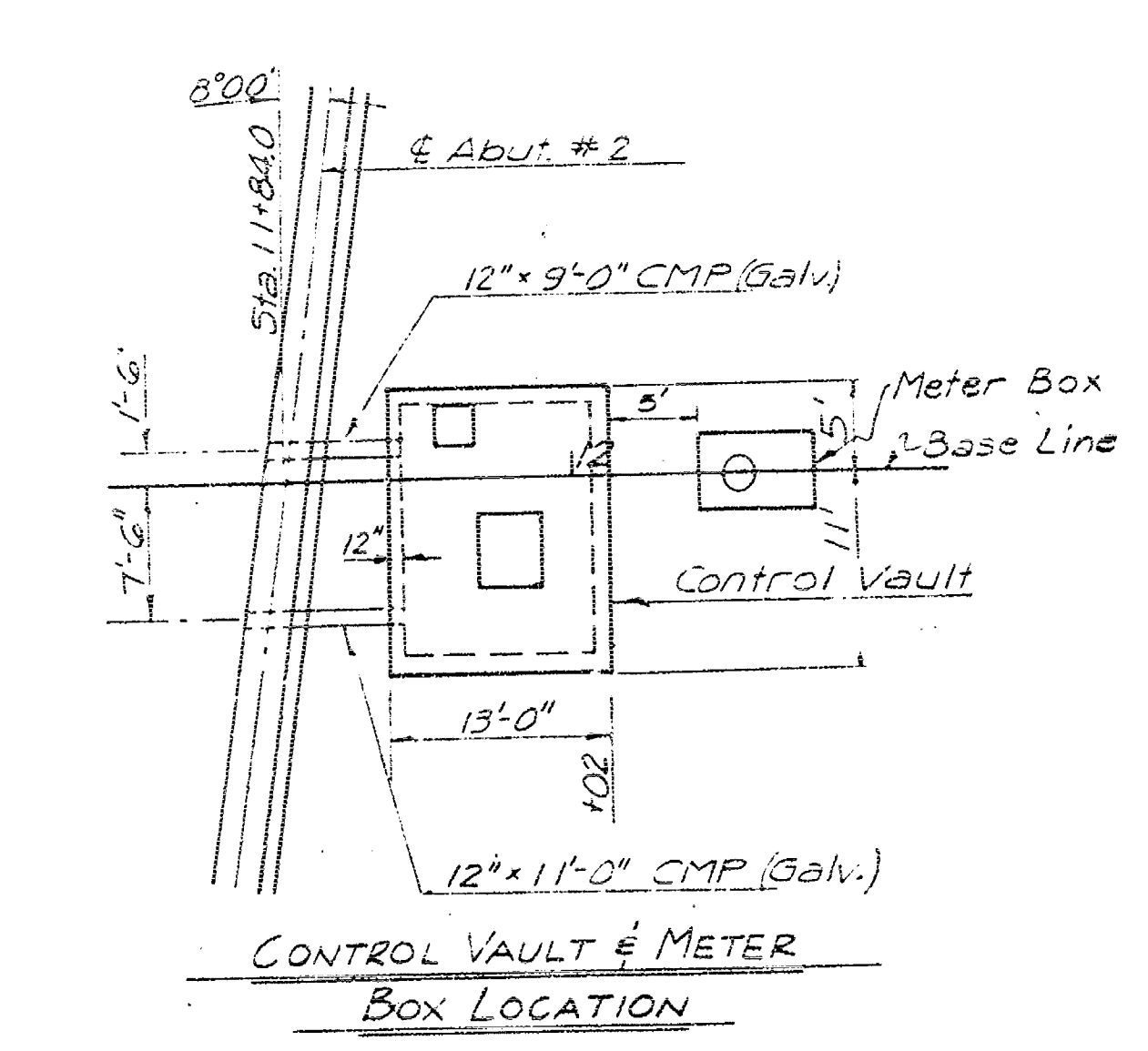
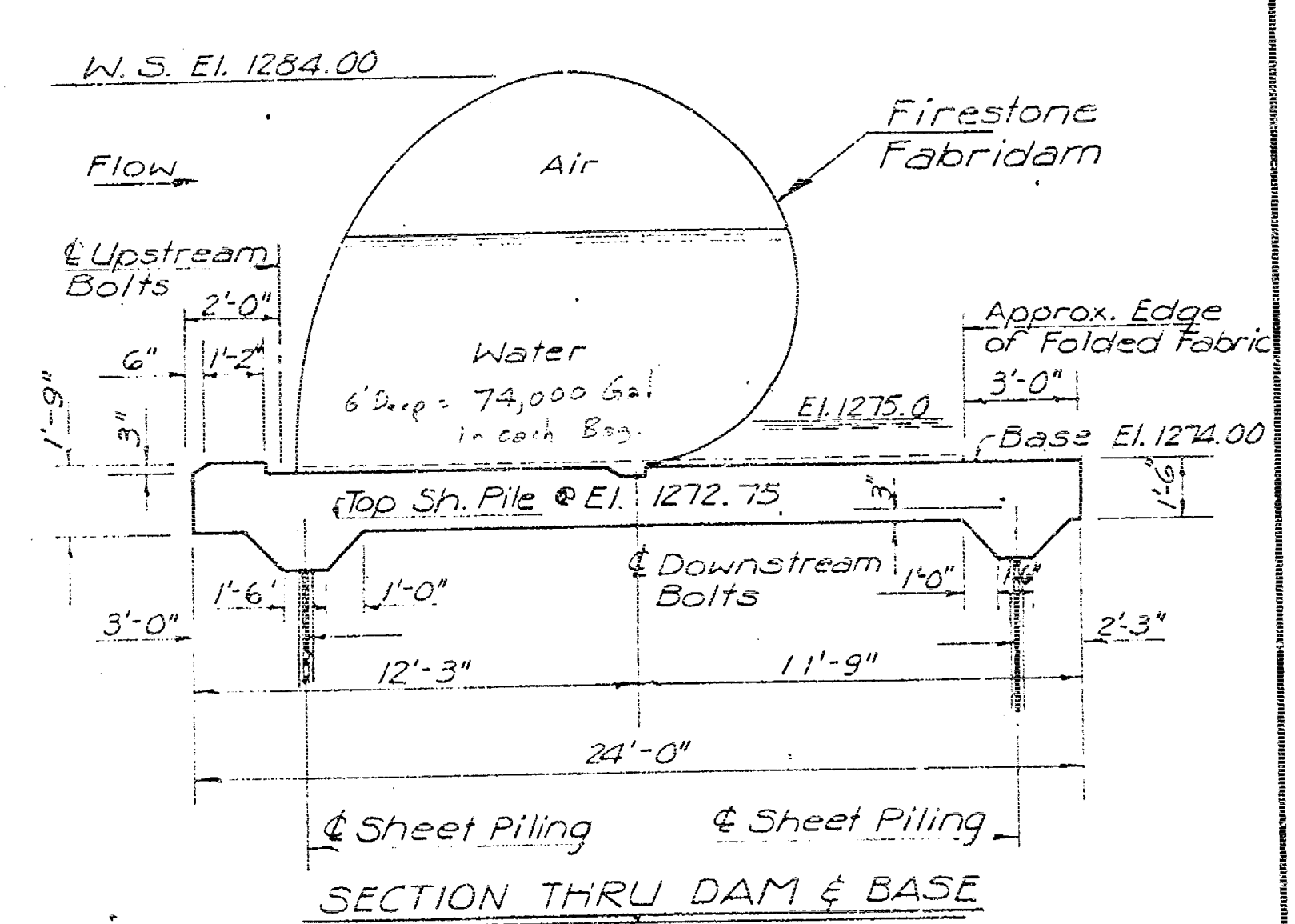
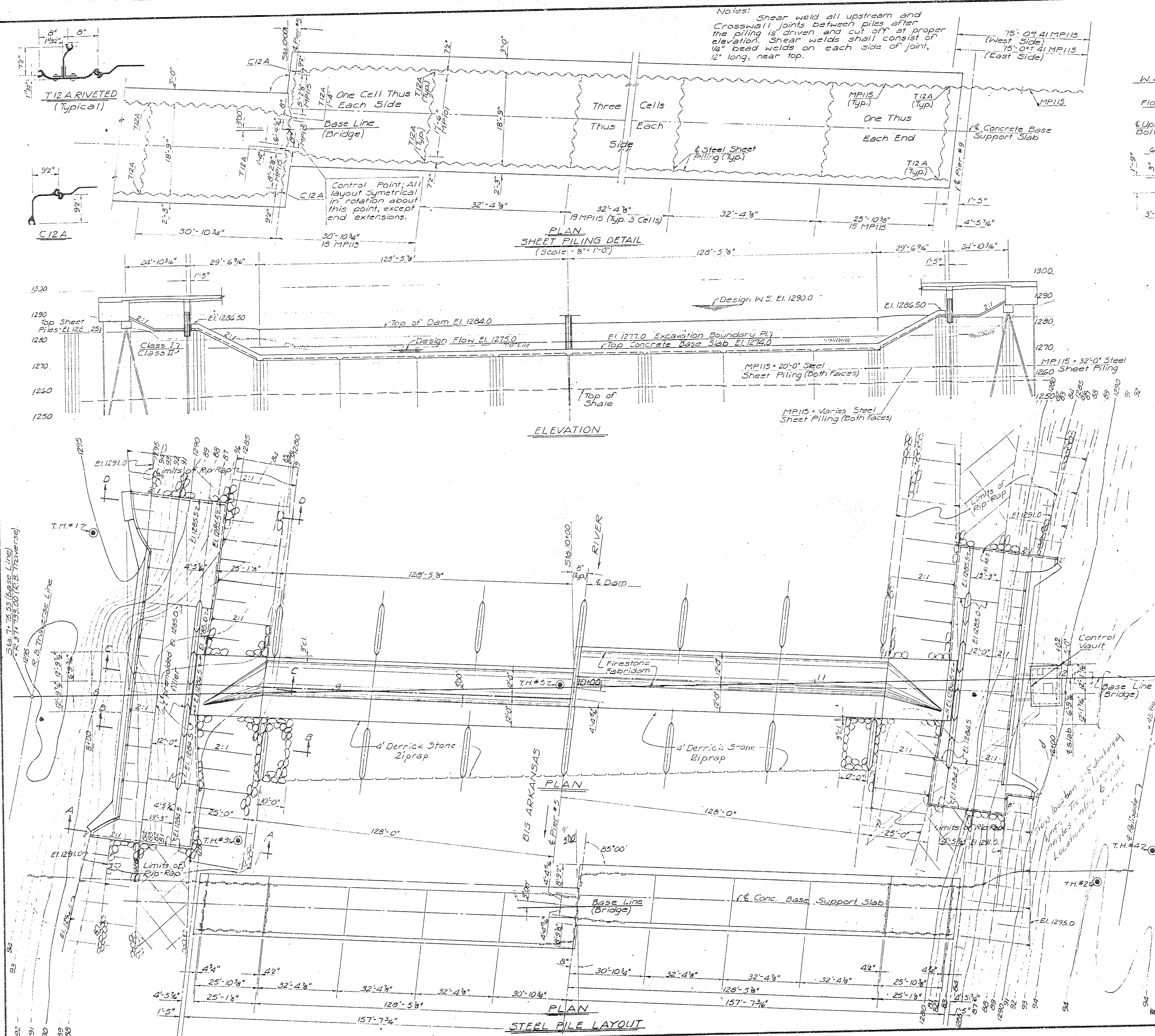
Provide temporary drainage, as noted in the specifications, from the three existing inlets and storm sewers shown.

Received FEB 9 1971
See Sheet No. 2-A for As Built

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

BIG ARKANSAS RIVER
LOCATION MAP &
GRADING & RIPRAP DETAILS

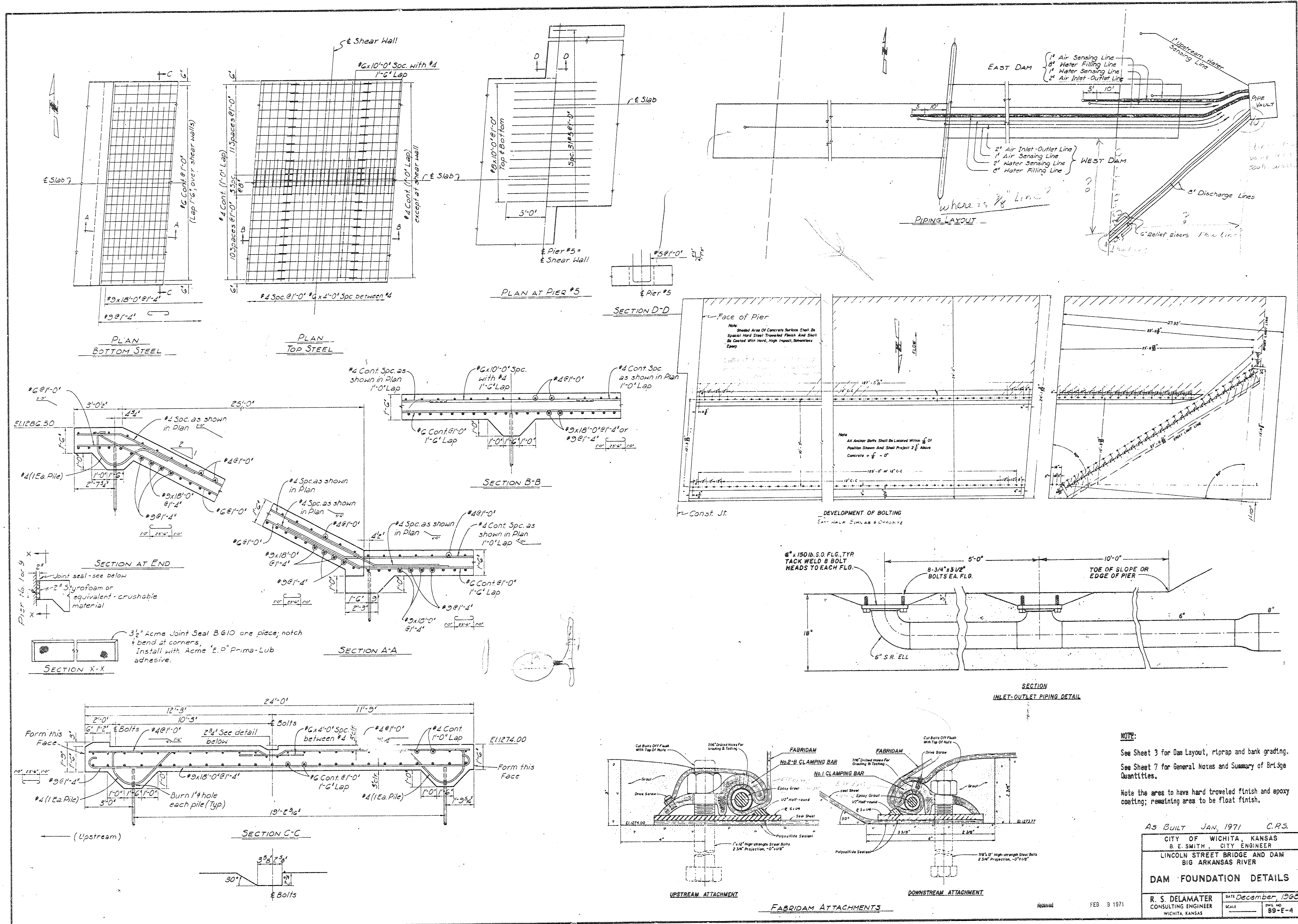
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA KANSAS

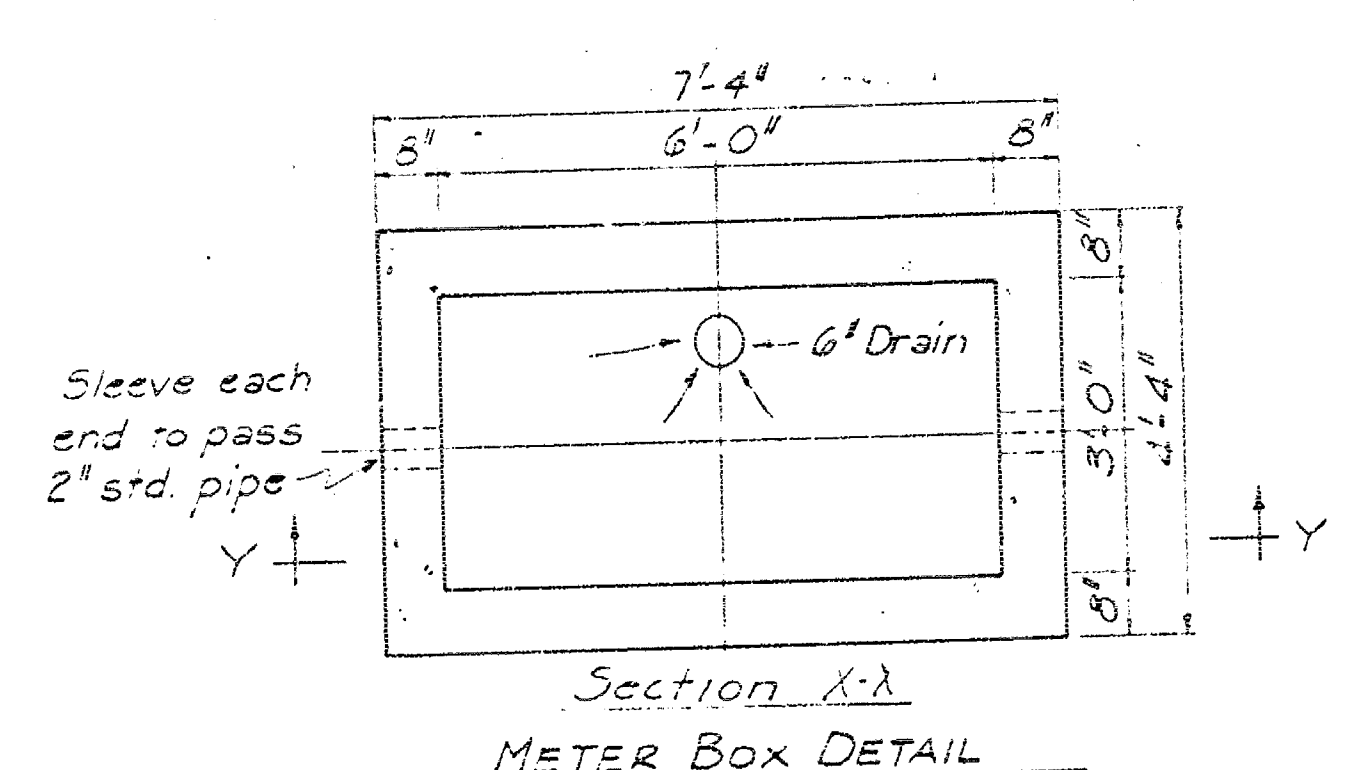
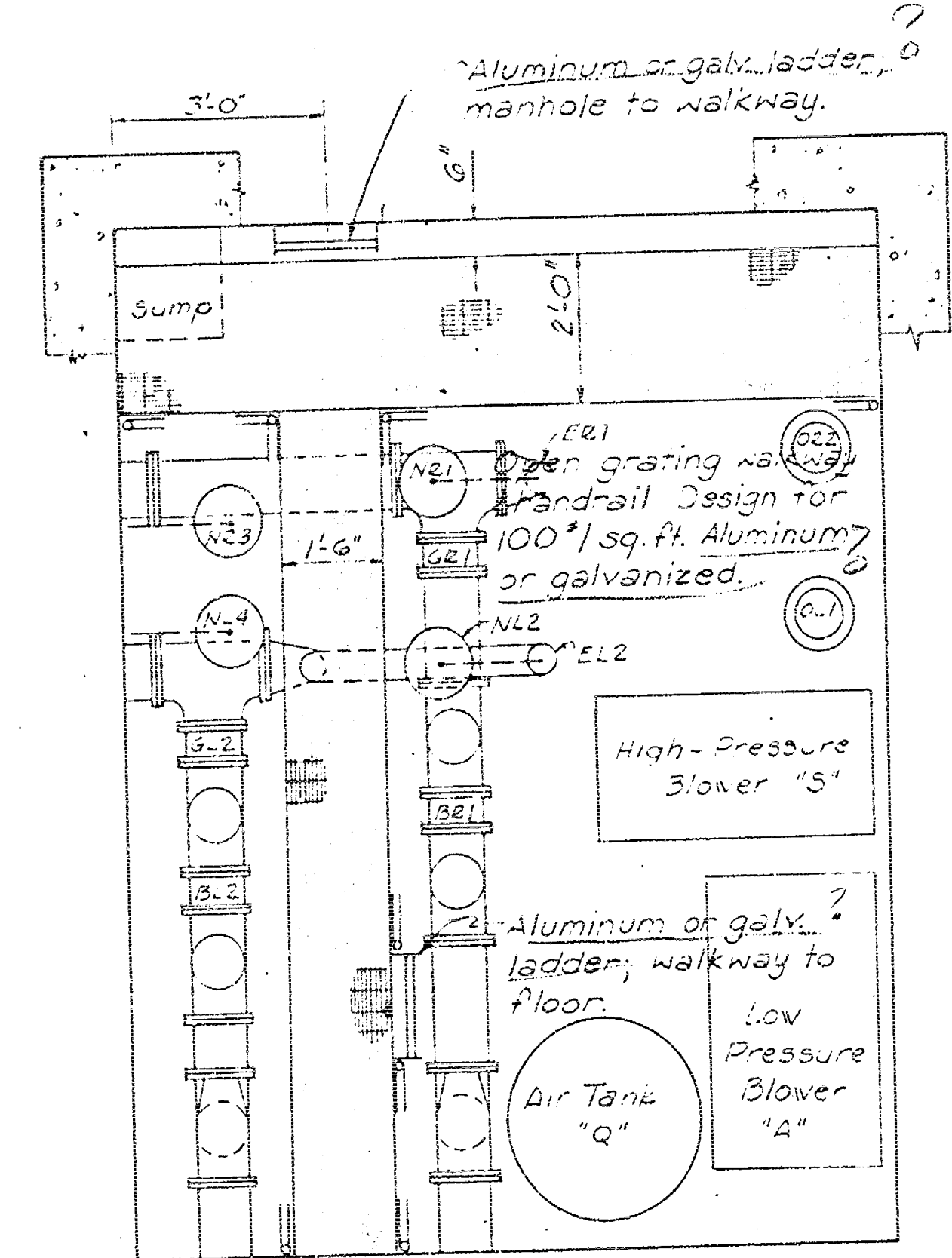
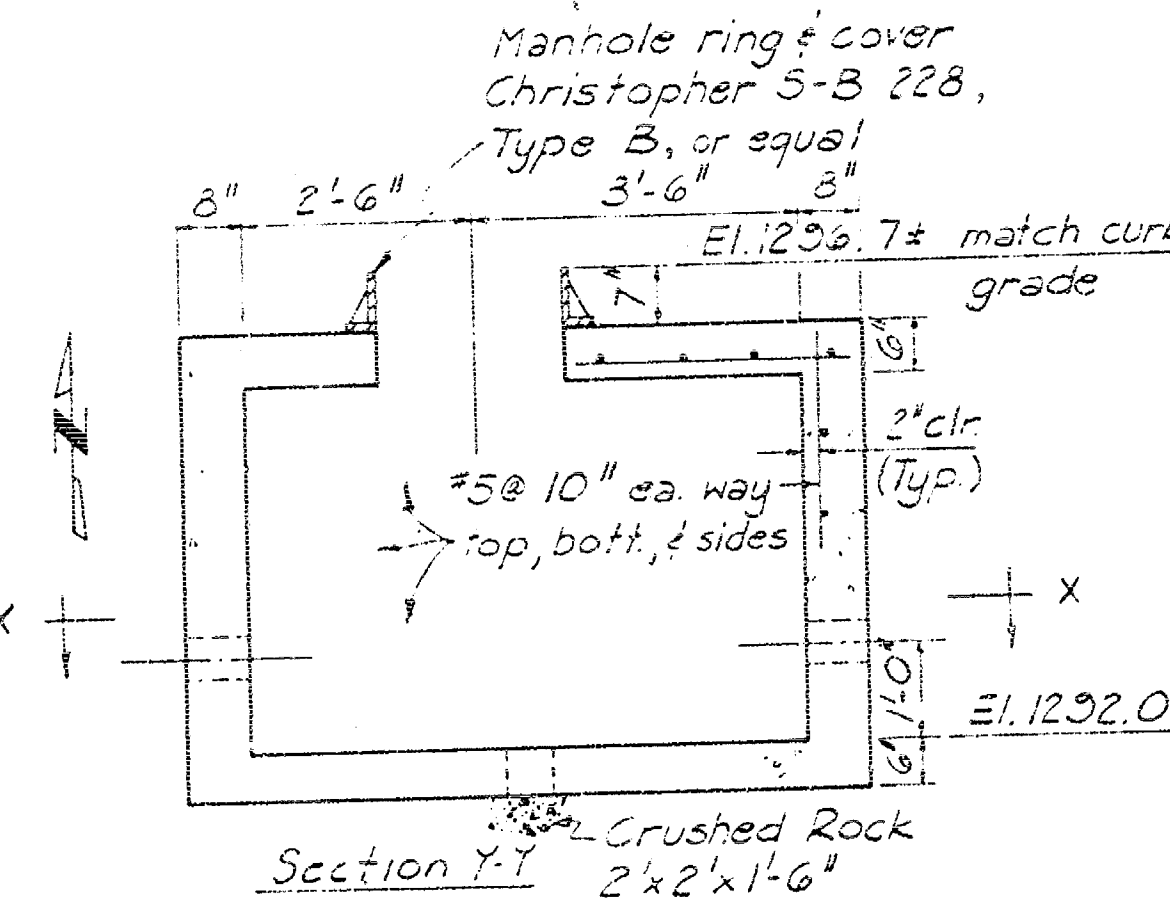
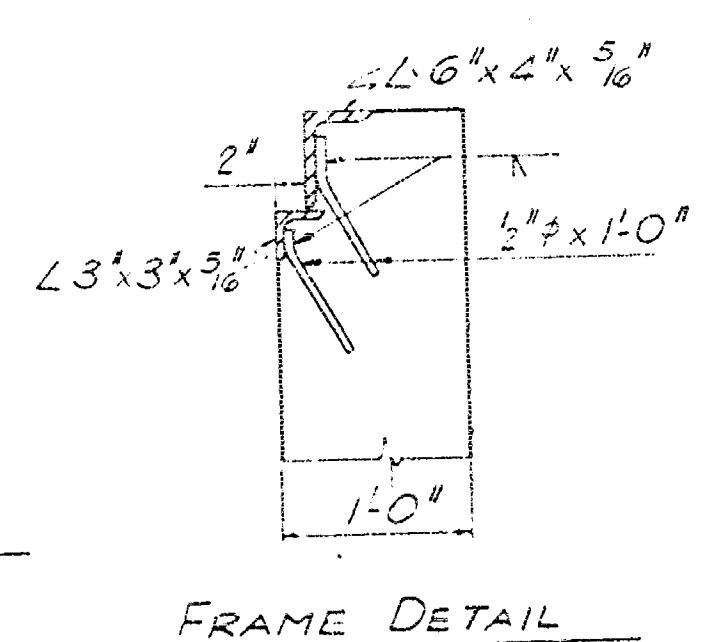
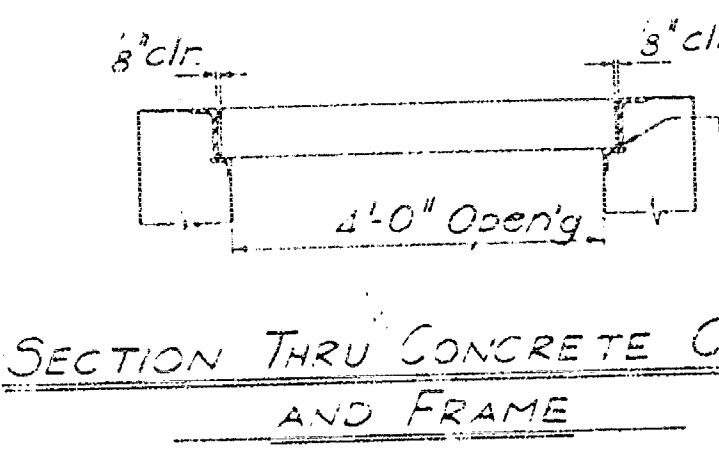
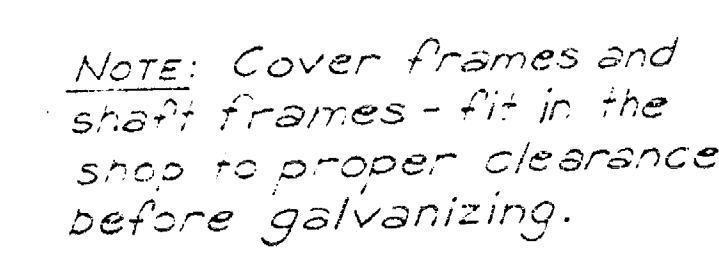
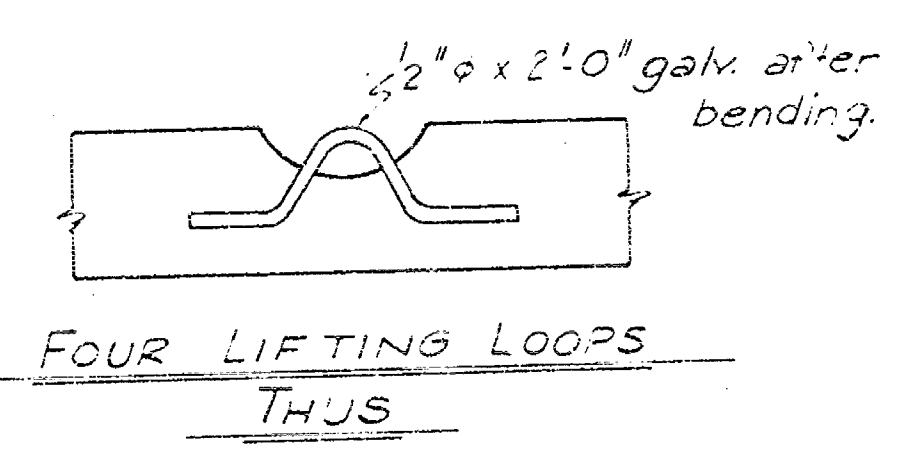
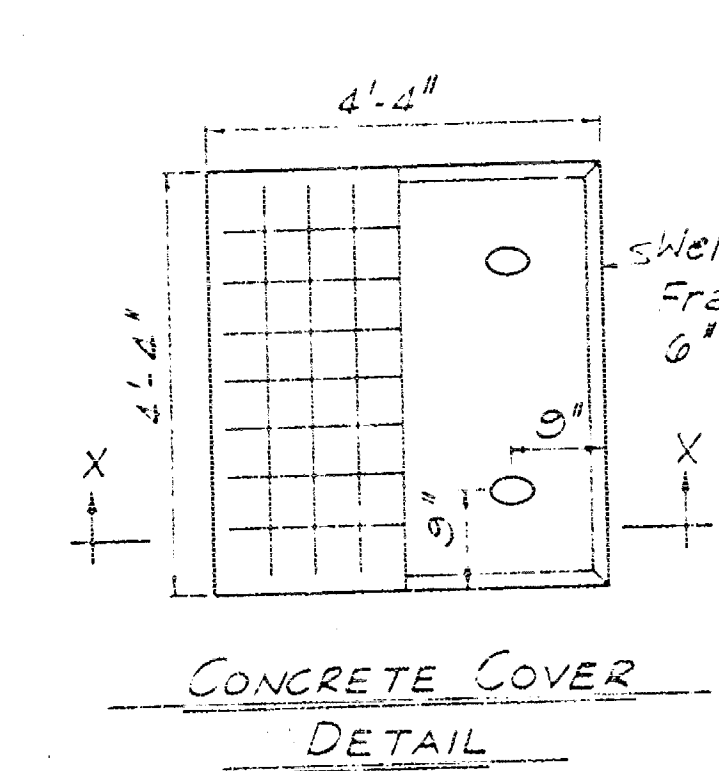
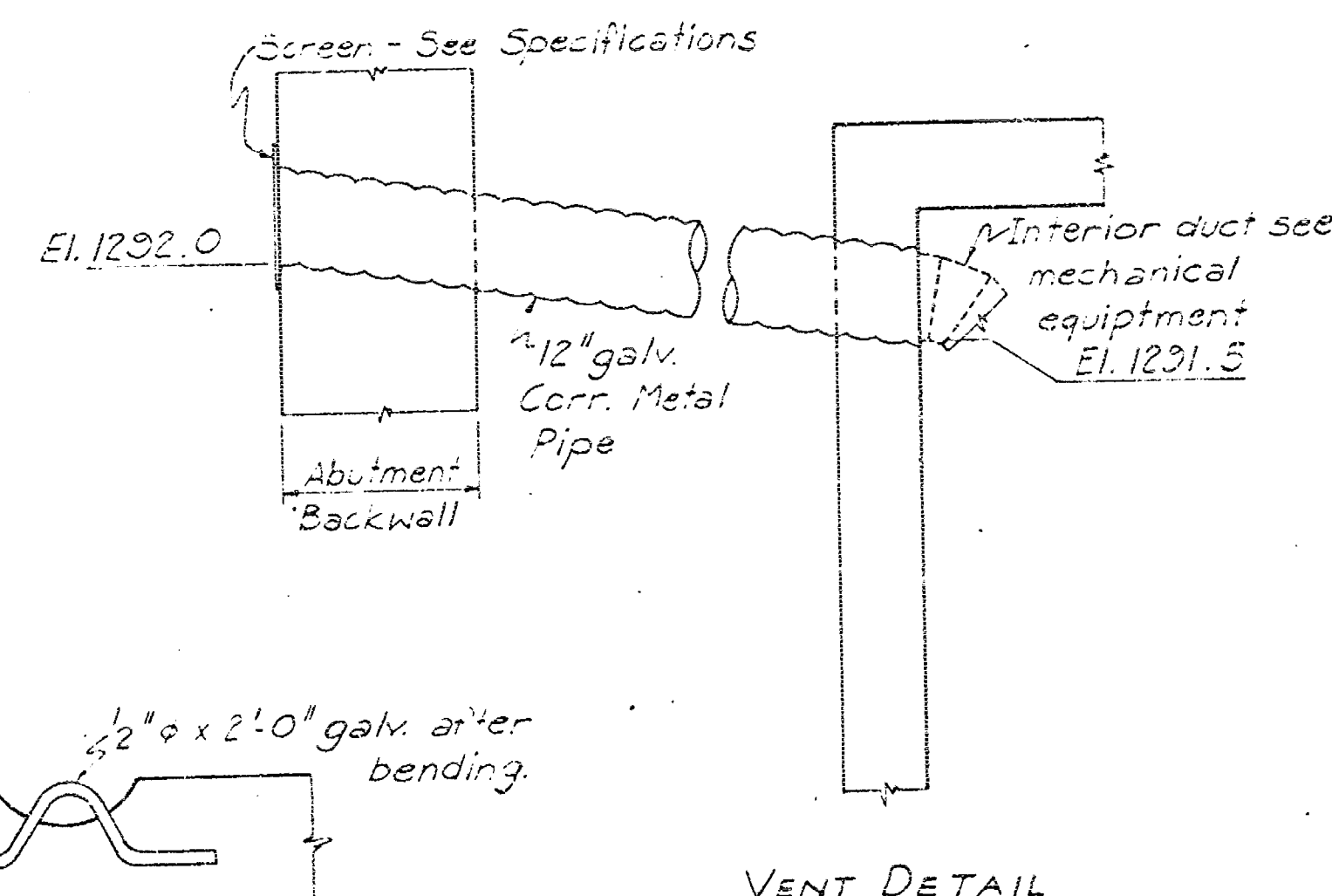
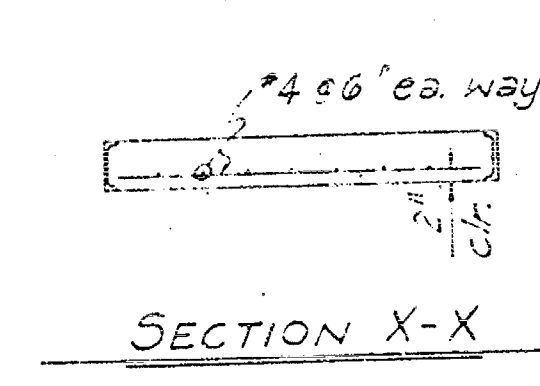
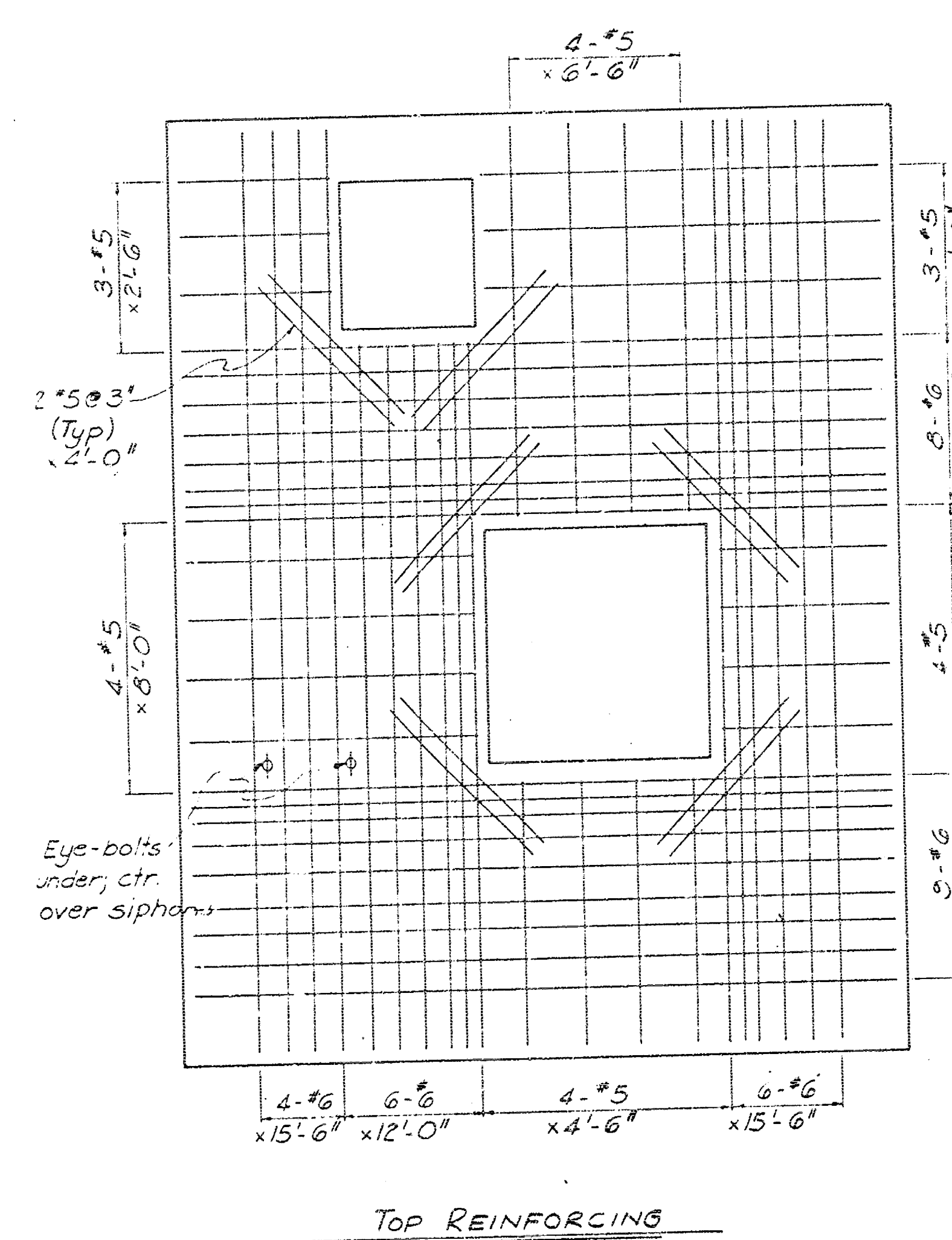
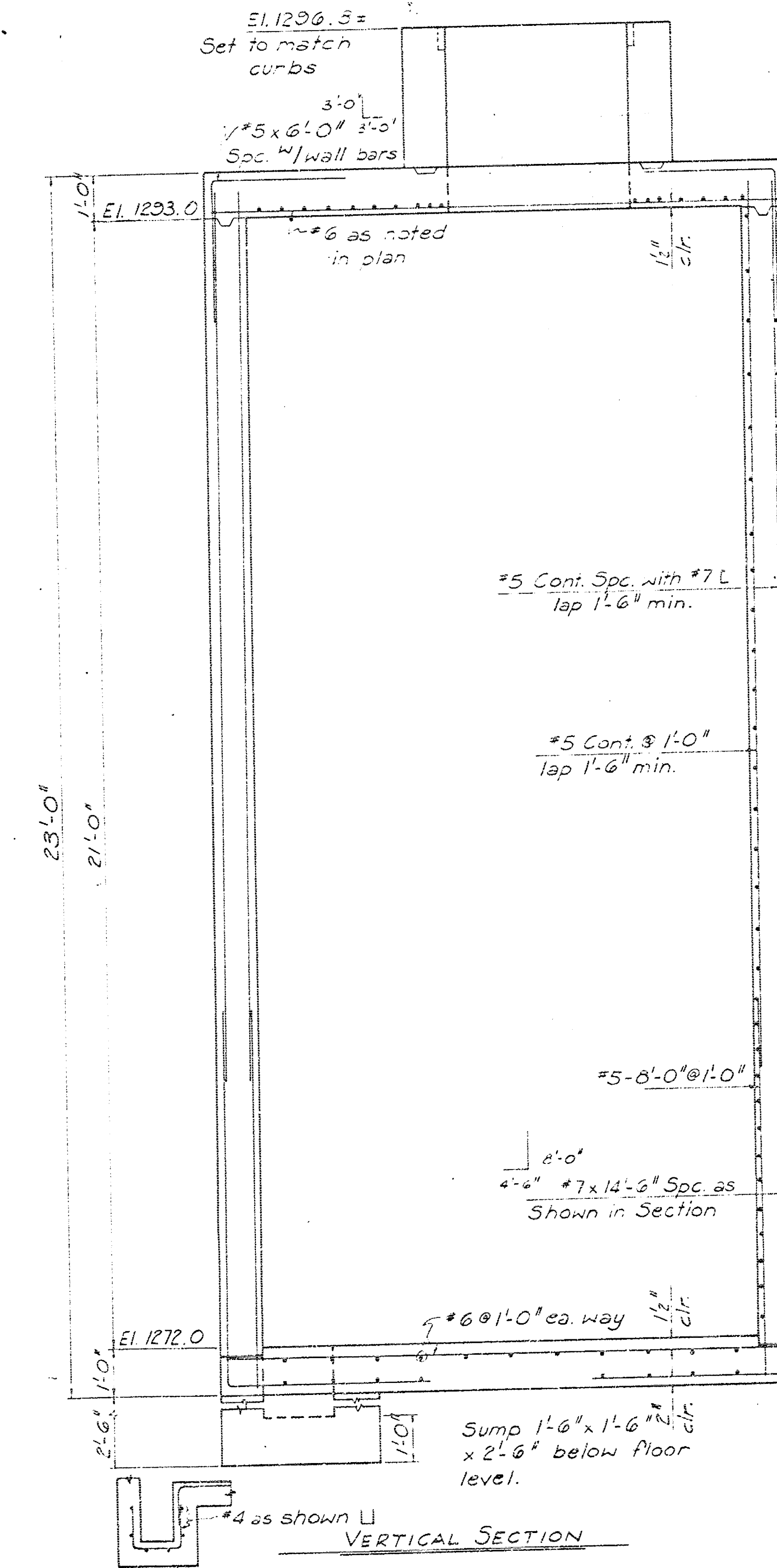
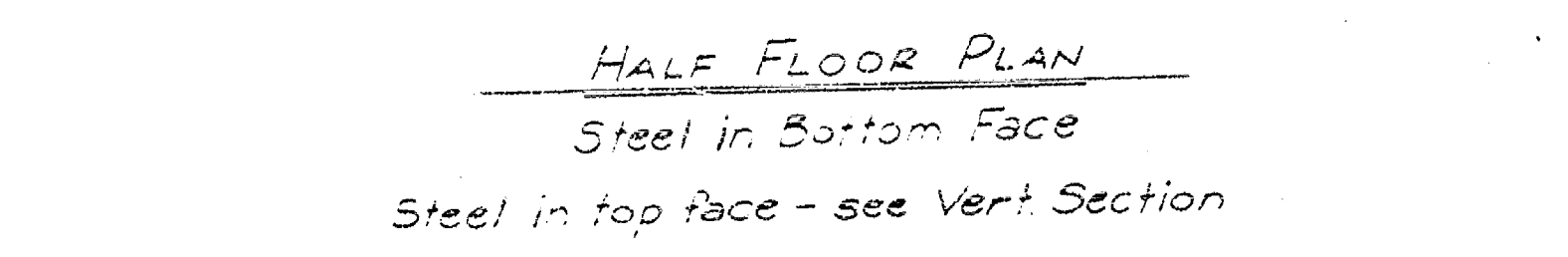
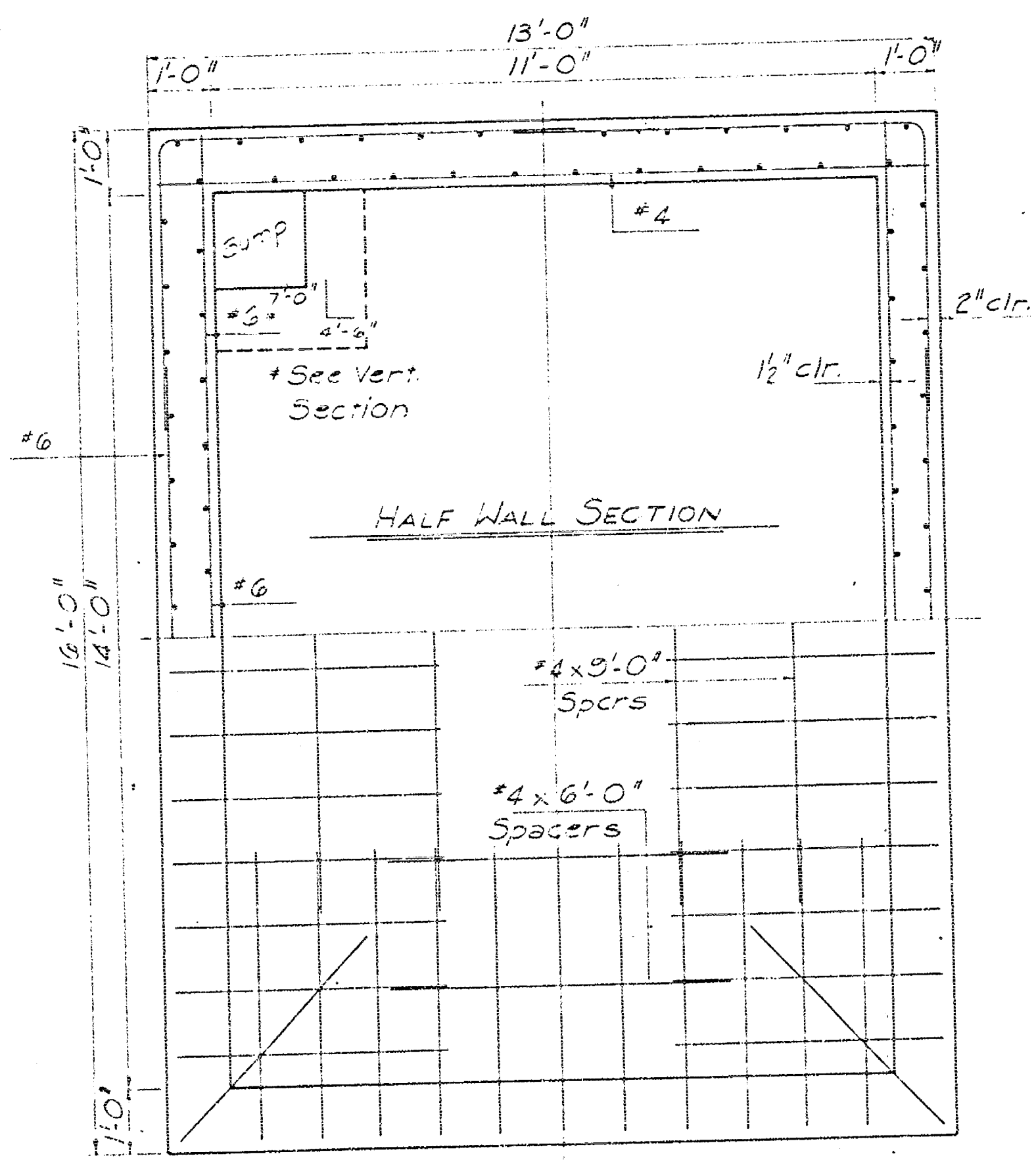
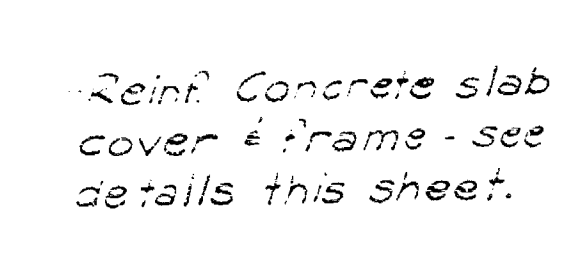


NOTE:
 See Sheet 8 for Bridge Layout.
 See Sheet 24 for details of concrete riprap and limits of riprap construction and bank grading.
 See Sheet 4 for details of Dam Foundation Slab and gaging layout outside of Control Vault.
 See Sheet 5 for Control Vault Details.
 Weld sheet pile tops in upstream and shear walls as noted above.

AS BUILT Jan. 1971		C.R.3.	
CITY OF WICHITA, KANSAS			
B. E. SMITH, CITY ENGINEER			
LINCOLN STREET BRIDGE AND DAM			
BIG ARKANSAS RIVER			
DAM LAYOUT			
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS		DATE	December 1968
		SCALE	1"=15'
		DWG. NO.	89-E-3

SCALE 1"=15'
 FEB 9 1971





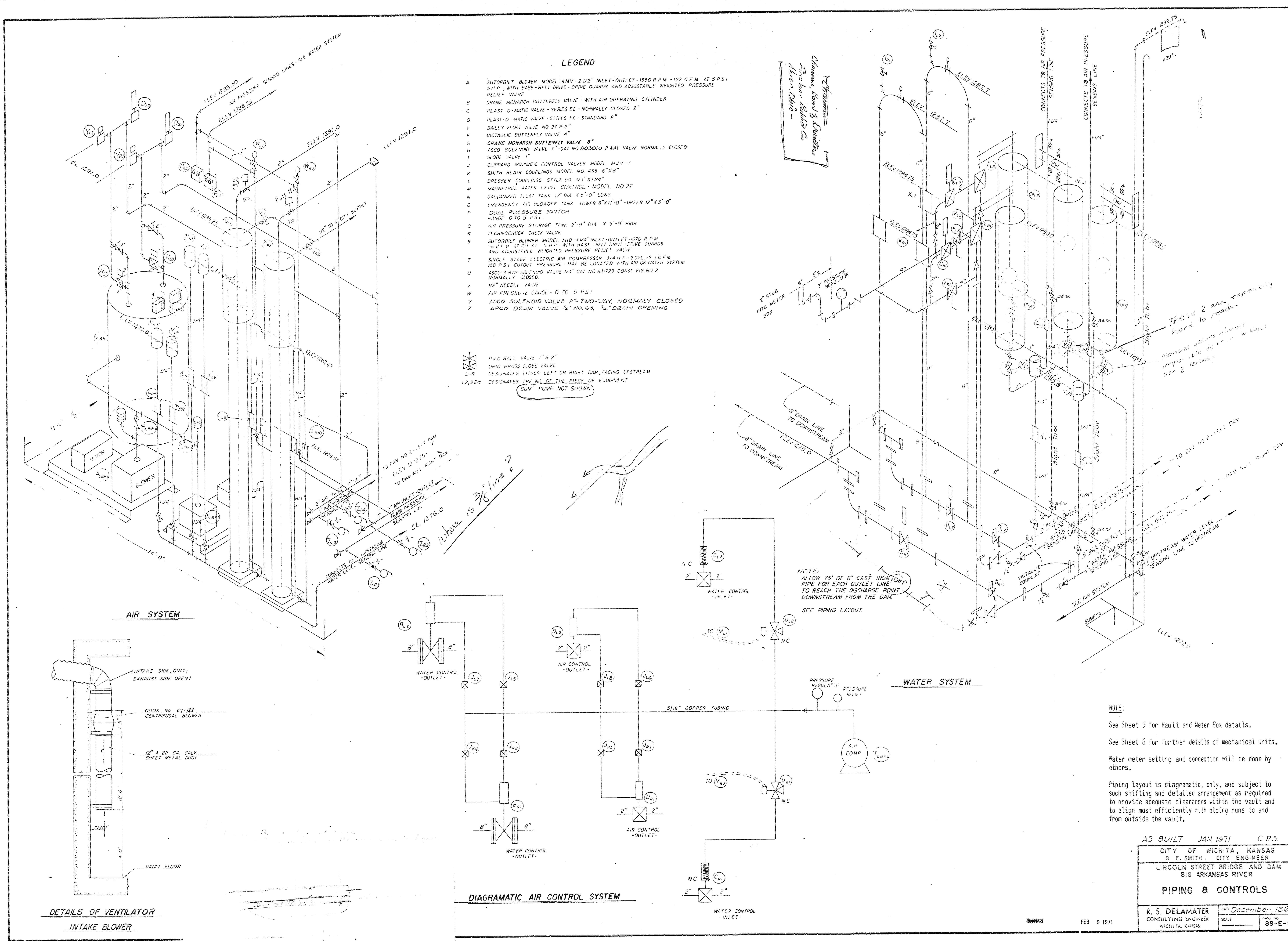
NOTE:
All concrete shall be Class A.
waterproof all vertical walls below elevation 1294.1
in accordance with the specifications.
Install walkways and ladders as indicated and as
specified.
See specifications for details of manhole and equip-
ment shaft frame and cover, and ventilation ducts.
After equipment is in place, seal the concrete cover
with caulking compound.

As Built JAN. 1971 C.P.S.

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

CONTROL VAULT DETAILS

R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE <i>December, 1966</i>	
	SCALE _____	DWG. NO. <i>89-E-</i>



Chas. E. Smith
Wichita, Kansas

These 2 are especially hard to reach - Manual valves almost impossible to reach without use of ladders.

NOTE: ALLOW 75' OF 8" CAST IRON PIPE FOR EACH OUTLET LINE TO REACH THE DISCHARGE POINT DOWNSTREAM FROM THE DAM. SEE PIPING LAYOUT.

NOTE:
See Sheet 5 for Vault and Meter Box details.
See Sheet 6 for further details of mechanical units.
Water meter setting and connection will be done by others.
Piping layout is diagrammatic, only, and subject to such shifting and detailed arrangement as required to provide adequate clearances within the vault and to align most efficiently with piping runs to and from outside the vault.

AS BUILT JAN. 1971 C.P.S.

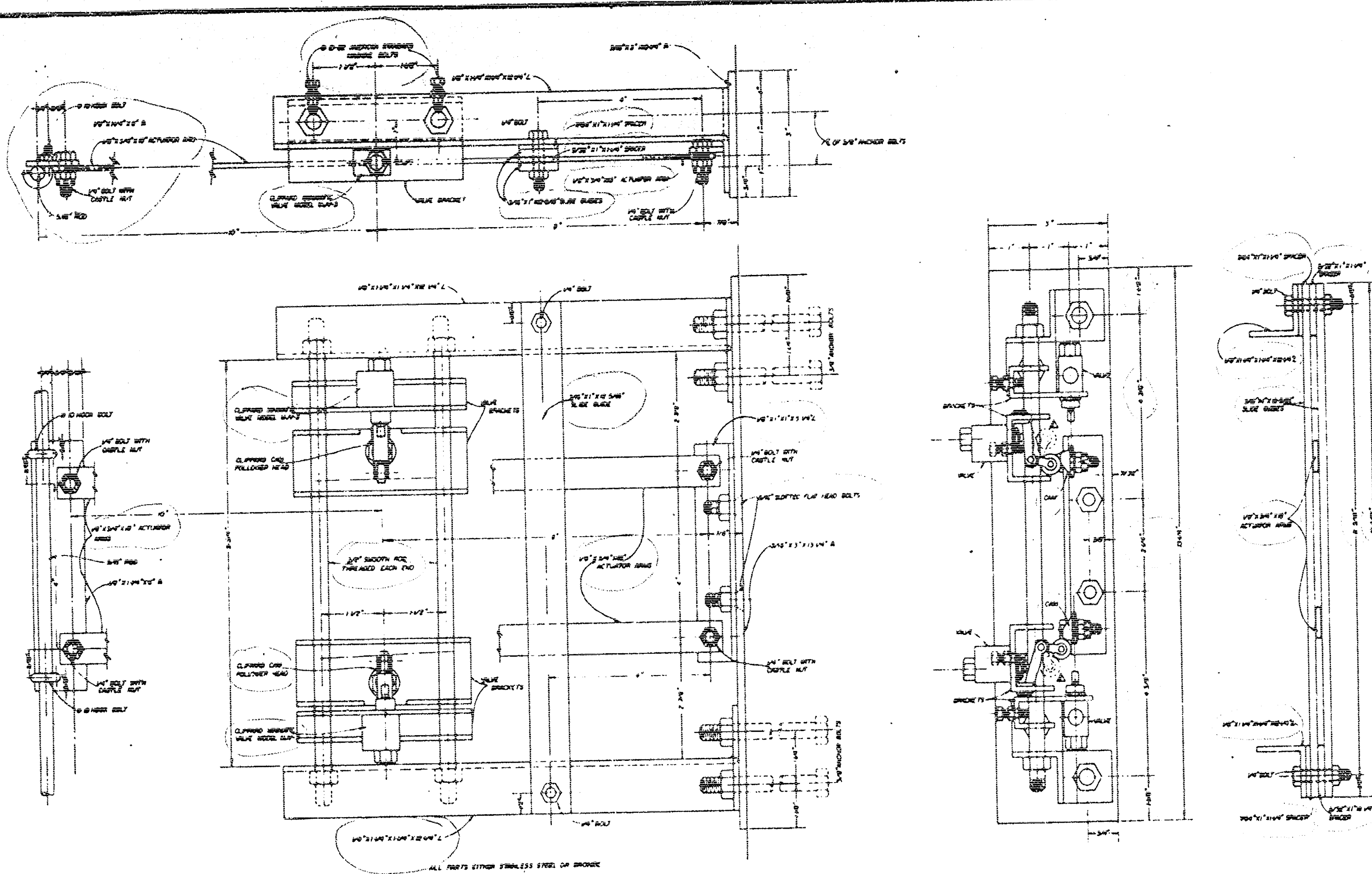
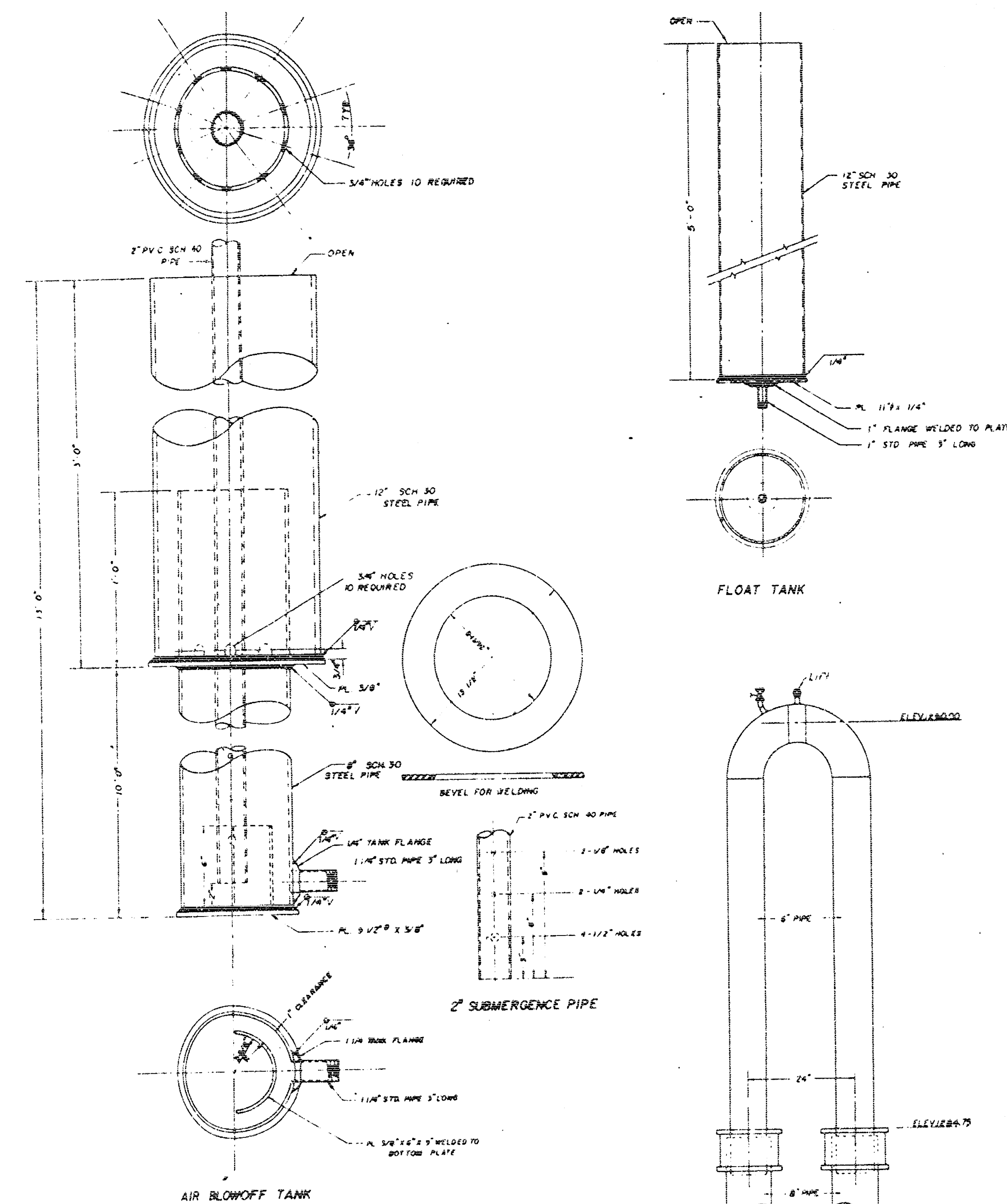
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

PIPING & CONTROLS

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE December, 1968
SCALE
DWG. NO. 89-E-6

FEB 9 1971



GENERAL NOTES

COMMON EXCAVATION: There will be no direct payment for Common Excavation, or borrows, as such. Payment will be for material in place, as Compacted Embankment.

EMBANKMENTS: The Contractor shall construct the embankments and grade the berms at the abutments as shown on Construction Layout and Contour Map prior to construction of the bridge.

EXCAVATION: Elevation 1277.0 constitutes the Excavation Boundary Plane for estimating quantities for Class I and Class II Bridge Excavation and Dam Slab Excavation; Class I above, Class II and Dam Slab Excavation below; see Sheet 18 for limits of pay excavation.

SOUNDINGS: Sounding information shown on Sheet 3 is as obtained from borings made in the field and represents the best information available to the City of Wichita.

PILES: All piles shall be driven to the penetration shown unless in the opinion of the Engineer such penetration cannot be secured without injury to the pile. Piles shall be driven to a minimum computed bearing value, for steel bearing piles, of 65 tons per pile in piers, and 55 tons per pile in abutments; and for sheet steel piles, of 15 tons per pile.

PILE DRIVING: All piles shall be driven with a steam or diesel hammer; if a diesel hammer is used, sufficient hammer data shall be provided to permit rating by the Engineer before driving starts.

EXISTING STRUCTURE: The Contractor will remove the existing structure, consisting of a steel beam bridge on wood pile piers. All material to become the property of the Contractor, to be removed from the site.

FALSEWORK AND FORMING: Falsework under superstructure, including each sidewalk slab, shall be left in place in any span until the concrete in that span and the adjacent span constructed latest shall have attained its design strength; but in no case shall the falsework be removed before 14 days after placing concrete. Parapet walls under handrails shall preferably, but not necessarily, be placed after falsework supporting the walk has been removed. Camber shall be provided in the amounts shown on the Dead-Load Camber Diagram.

CONCRETE: Class AAA Concrete shall be used in Bridge Abutments and Superstructure, including walk and in Dam Foundation Slab; Class A in Bridge Piers and in the Control Vault.

REINFORCING STEEL: All dimensions shown relative to reinforcing steel placement are to centerline of bars unless otherwise noted. All dimensions shown in bending diagrams are out to out of bars.

DECK TREATMENT: Bridge deck shall be cured with Linseed Oil emulsion, in accordance with the Specifications.

DESIGN:

Design Loading: H20-S16-AA A.A.S.H.O. Specifications (1965 Ed.)

Unit Stresses: $f_c = 1,600$ p.s.i. Class AAA
 $f_c = 1,200$ p.s.i. Class A
 $f_s = 20,000$ p.s.i. (Reinf)
 $f'_c = 4,000$ p.s.i. Class AAA
 $f'_c = 3,000$ p.s.i. Class A

Pile Loading: 65 tons per pile in piers
55 tons per pile in abutments
15 tons per pile for sheet piles

SUMMARY OF GRADING AND BANK PROTECTION QUANTITIES		
Item	Quantity	Unit
Removal of Existing Structure	4.538	L.S.
Compacted Embankment	2,486	Cu. Yds.
Dumped Rock Riprap	885	Sq. Yds.
Reinforced Concrete Riprap		

SUMMARY OF DAM QUANTITIES		
Item	Quantity	Unit
Slab Excavation	1,230	Cu. Yds.
Steel Sheet Piling	5,773.6	Ltn. Ft.
Class AAA Concrete	305.0	Cu. Yds.
Reinforcing Steel	66,000	Lbs.
Anchor Bolts (680 bolts)	1.5	L.S.
Fabrications Complete	1.5	L.S.
Steel Sheet Piling (MPIIS)	10,027.5	Ltn. Ft.

* SUMMARY OF CONTROL VAULT QUANTITIES		
Item	Quantity	Unit
Vault Excavation	120	Cu. Yds.
Class A Concrete	64.3	Cu. Yds.
Reinforcing Steel	11,100	Lbs.
Vault Accessories	1.5	L.S.
Electrical Installation	1.5	L.S.

*Quantities include Meter Box

SUMMARY OF BRIDGE QUANTITIES											
Location	Excavation		Concrete		Steel		10" Steel Piles Ltn. Ft.	12" Steel Piles Ltn. Ft.	Bridge Handrail Ltn. Ft.	Lights Under Br. L.S.	1. & S. L. Conduits L.S.
	Class I Cu. Yds.	Class II Cu. Yds.	Class A Cu. Yds.	Class AAA Cu. Yds.	Reinf. Lbs.	Struct. Lbs.					
Abutment #1	196		76.7	280.3	53,400		569.2				
Pier #1	34				12,240			584.7			
Pier #2		45	108.8		16,540			531.5			
Pier #3		45	103.1		16,500			541.5			
Pier #4		45	105.6		16,500			521.8			
Pier #5		40	146.3		17,500			477.6			
Pier #6		45	105.6		16,500			479.6			
Pier #7		45	109.1		16,500			493.3			
Pier #8		45	108.3		16,500			494.9			
Pier #9		45	71.1		11,550			481.4			
Abutment #2	52				44,220						
Superstr.	163			236.0			447.5				
Total	425	318	948.6	2,012.6	671,480	6,520	1,016.7	1,460.6	715.50	L.S.	L.S.

120835' 14830' 28834' 24840' 28835' 28836'

Reviewed

FEB 9 1971

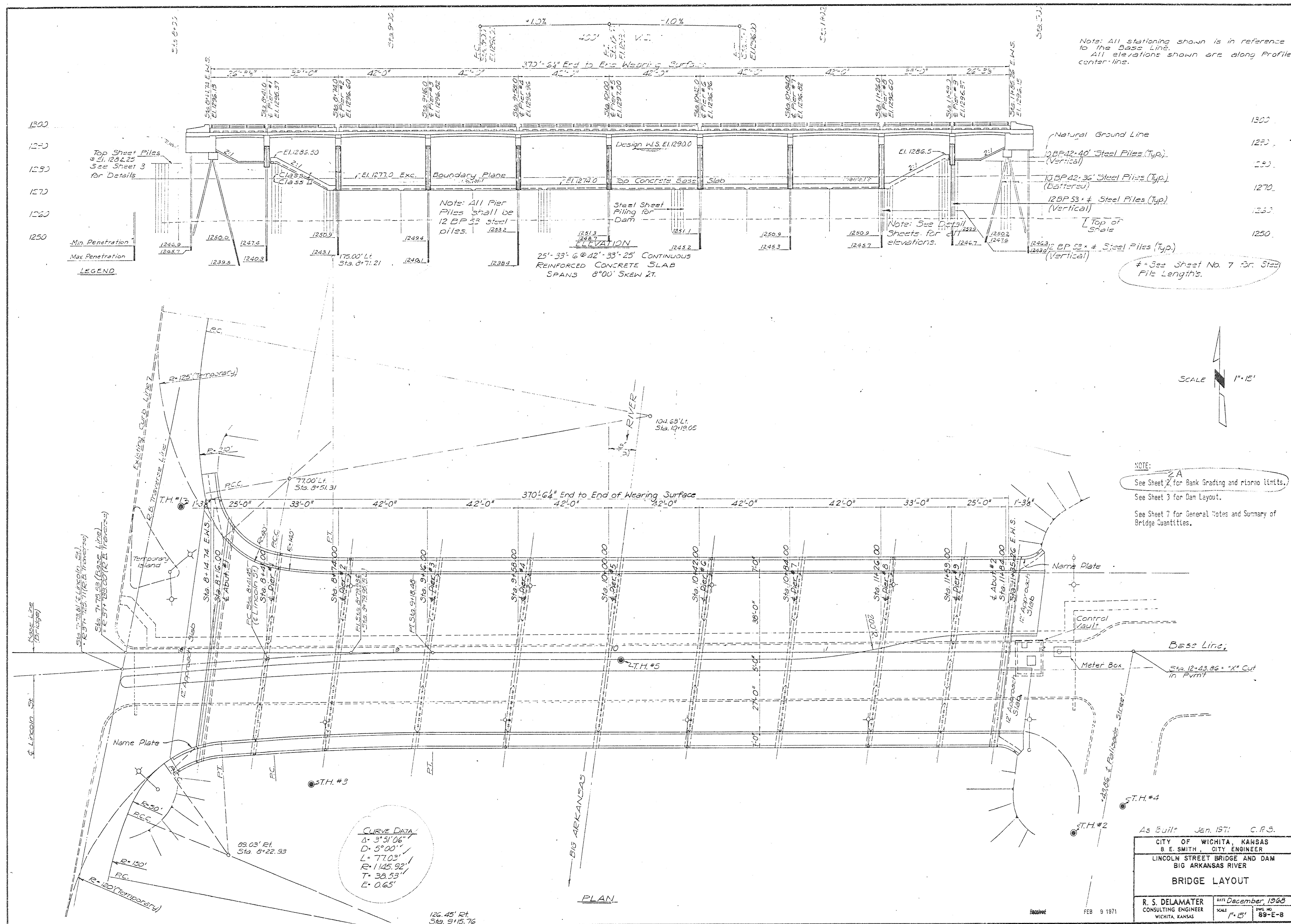
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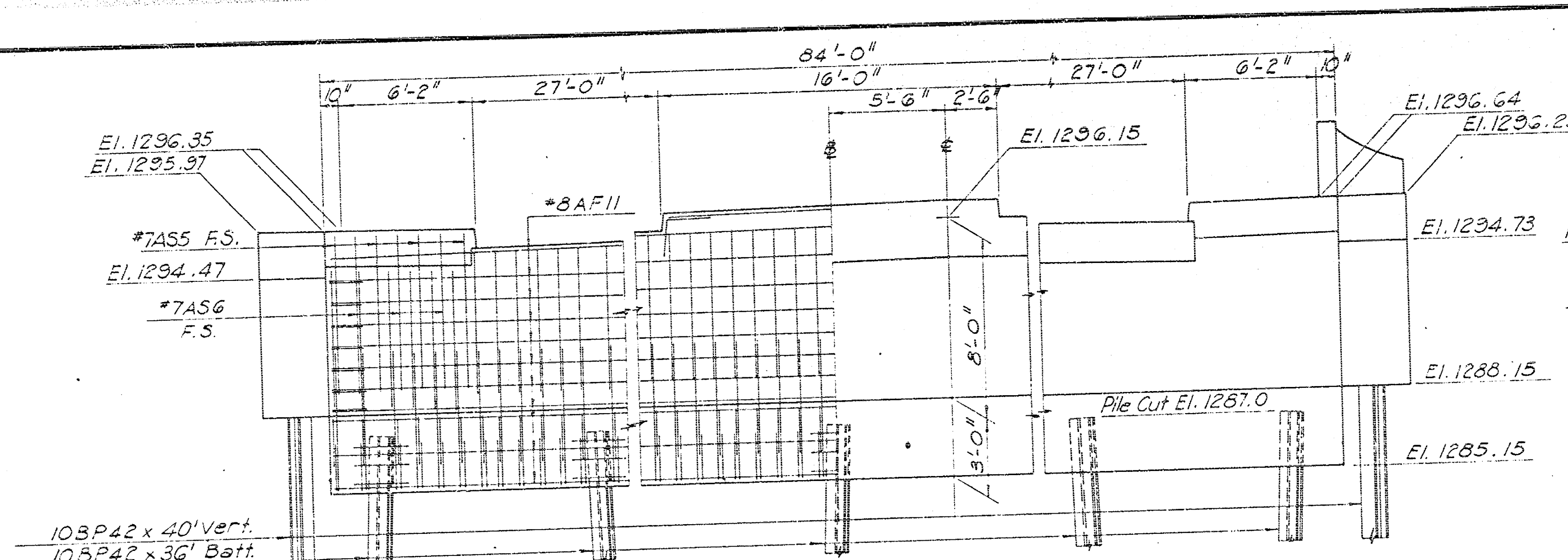
CITY OF WICHITA, KANSAS
S. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

GENERAL NOTES & SUMMARY OF QUANTITIES

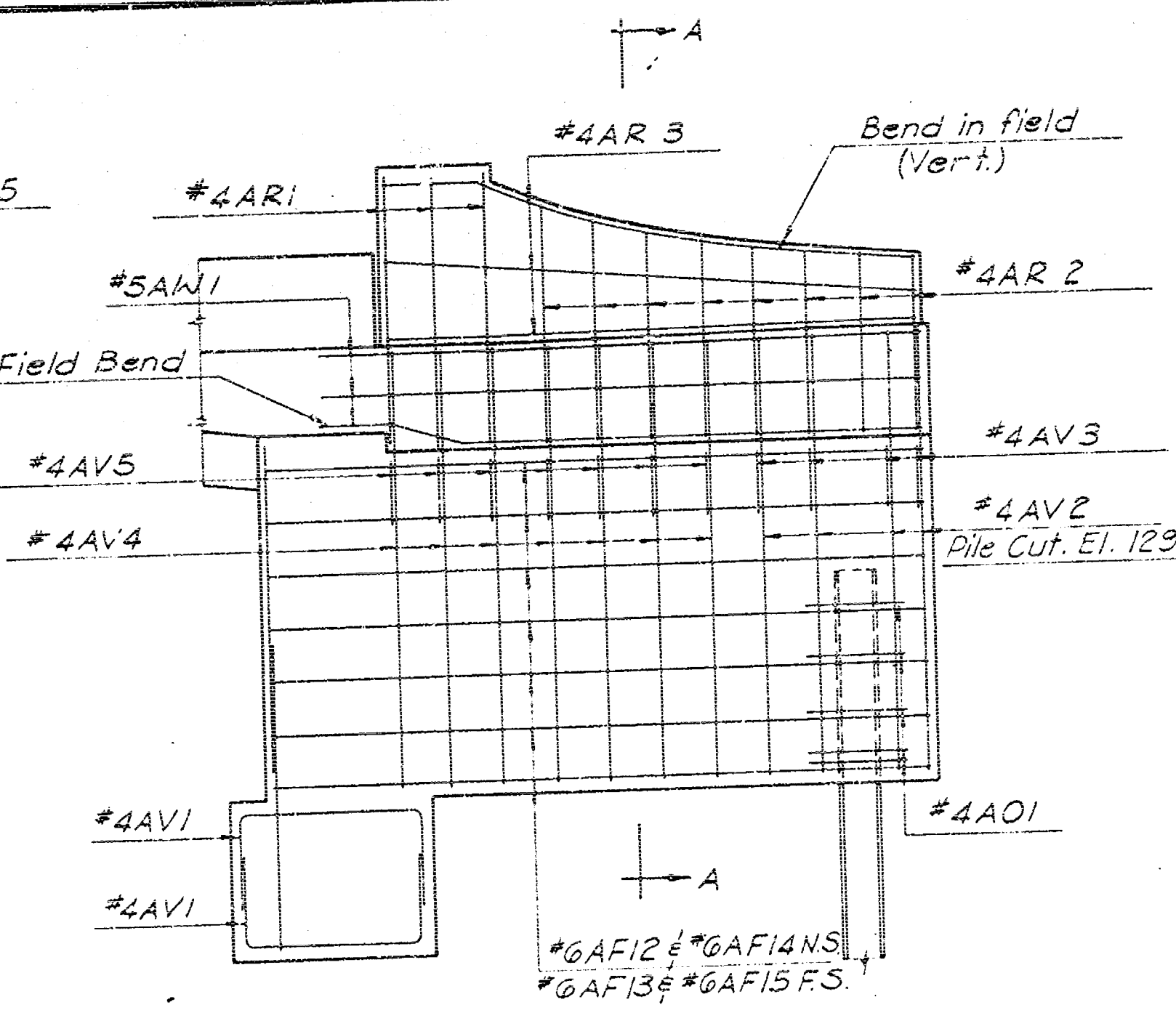
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE December, 1965
SCALE
PAGE NO. 89-E-7

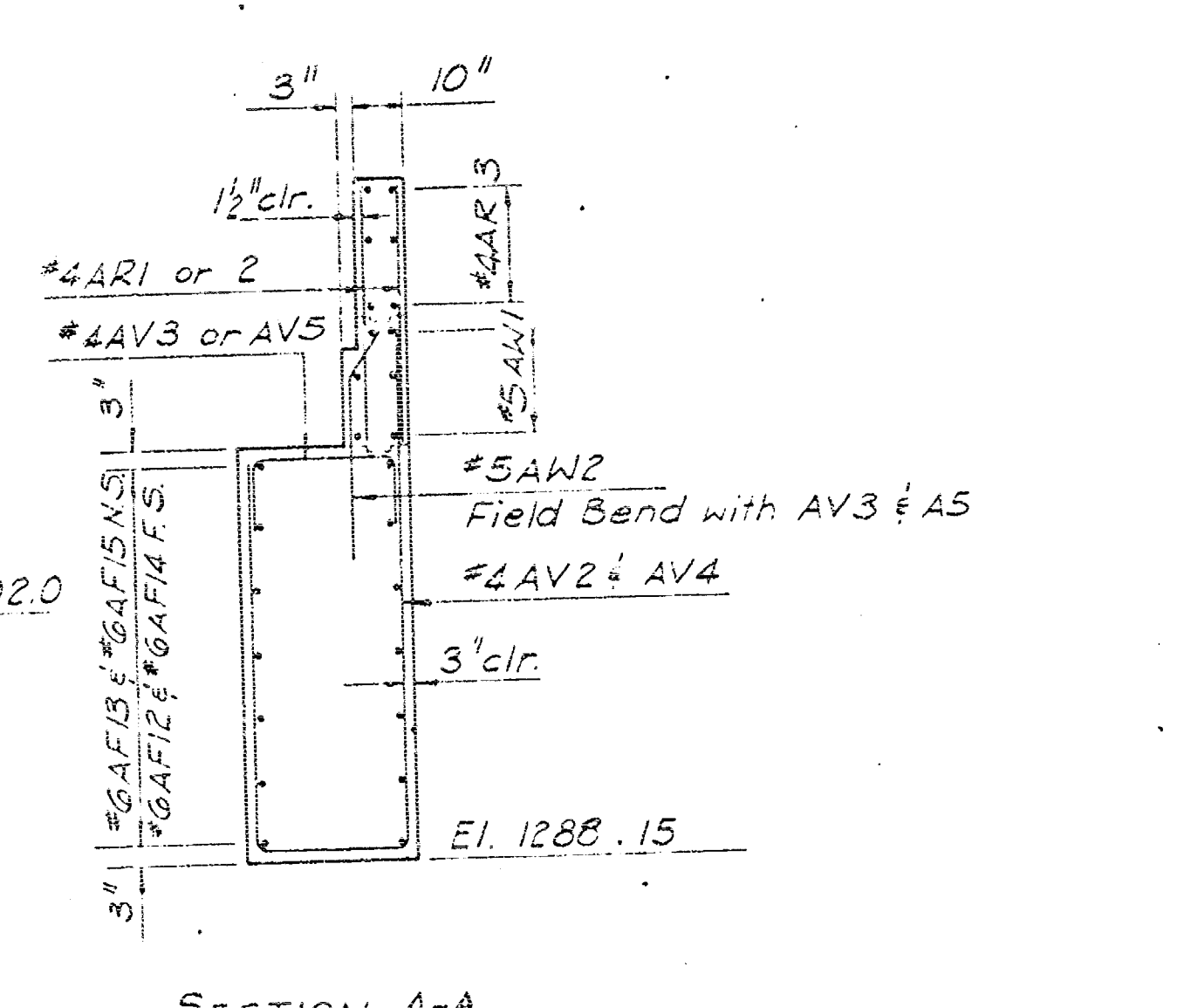




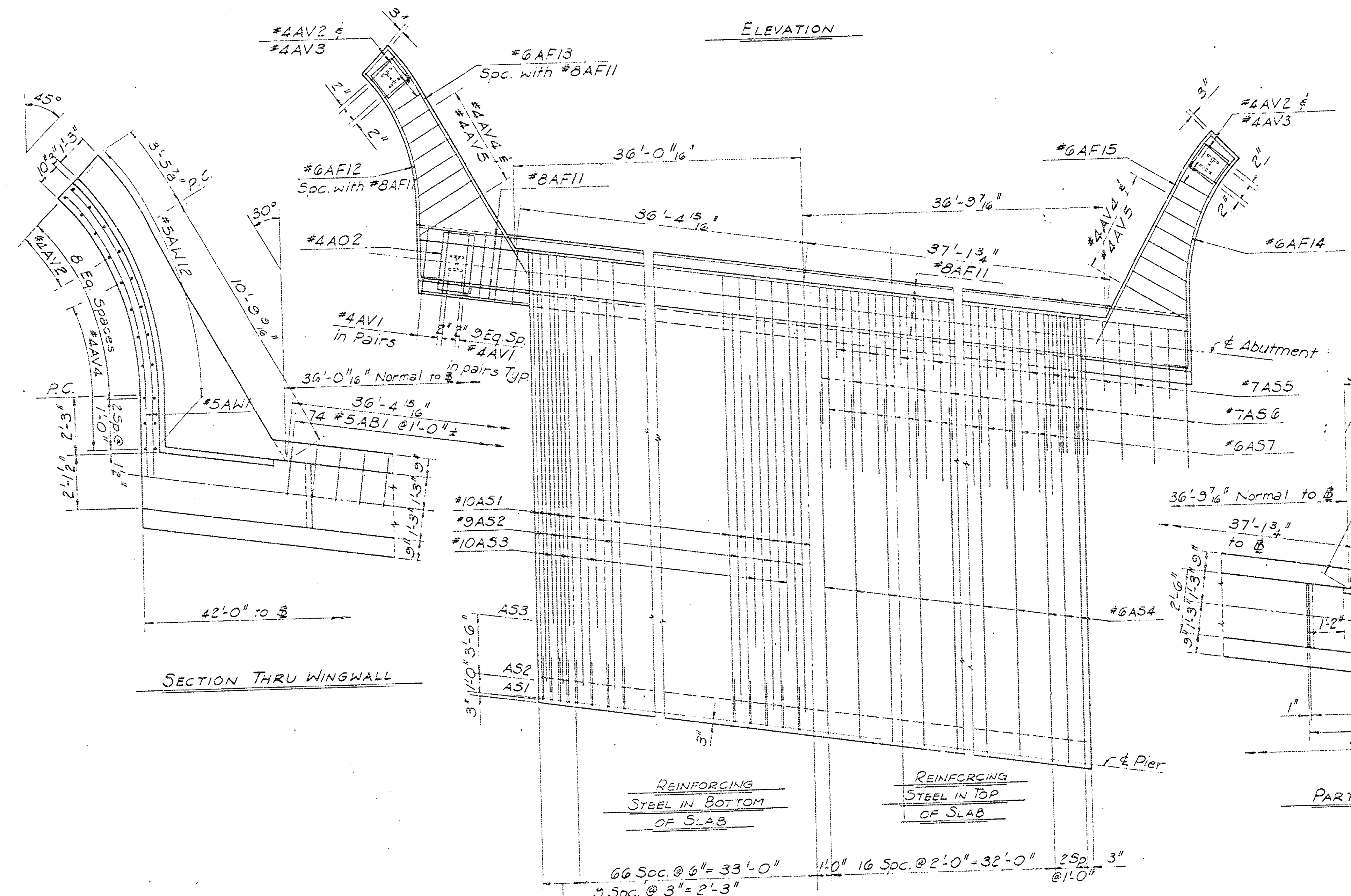
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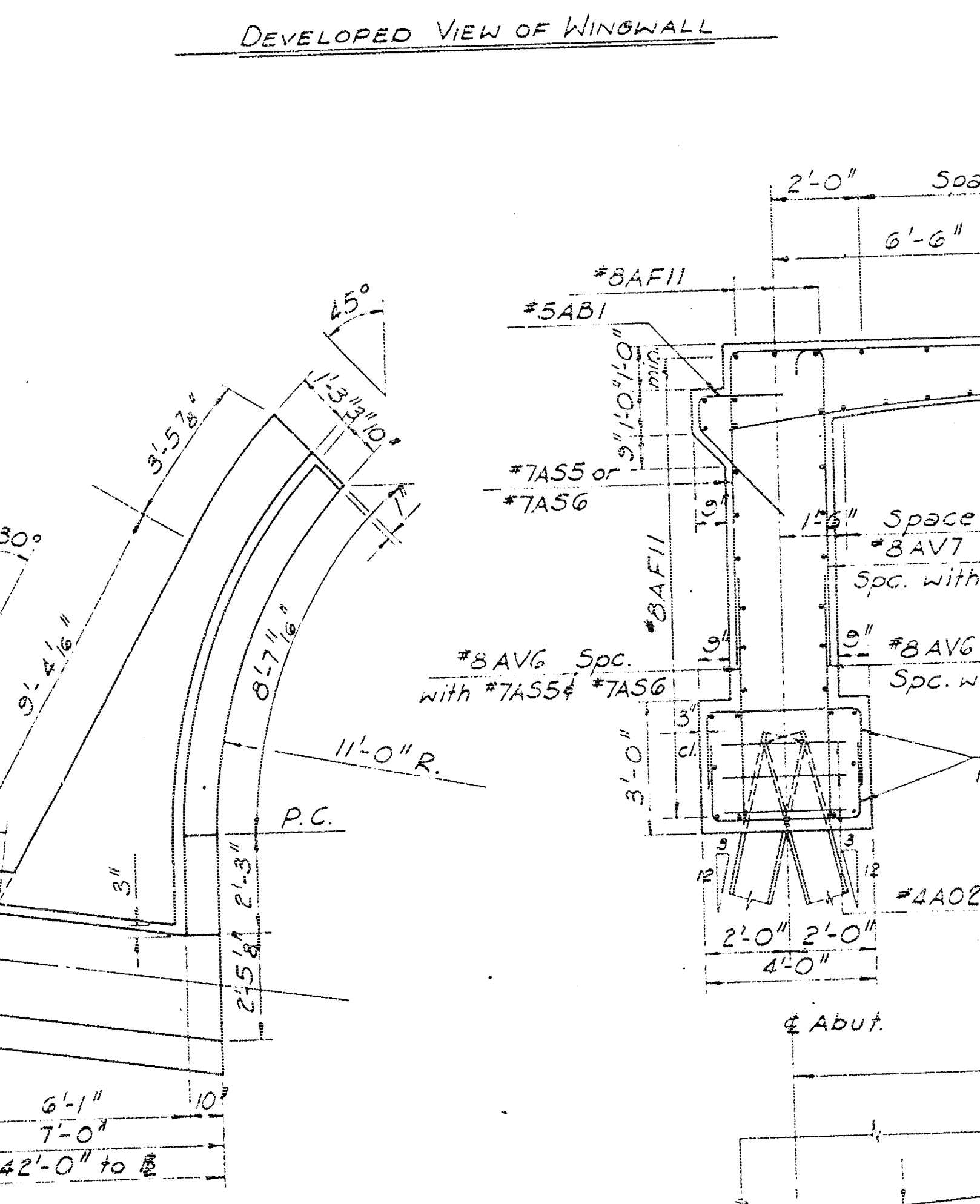
DEVELOPED VIEW OF WINGWALL



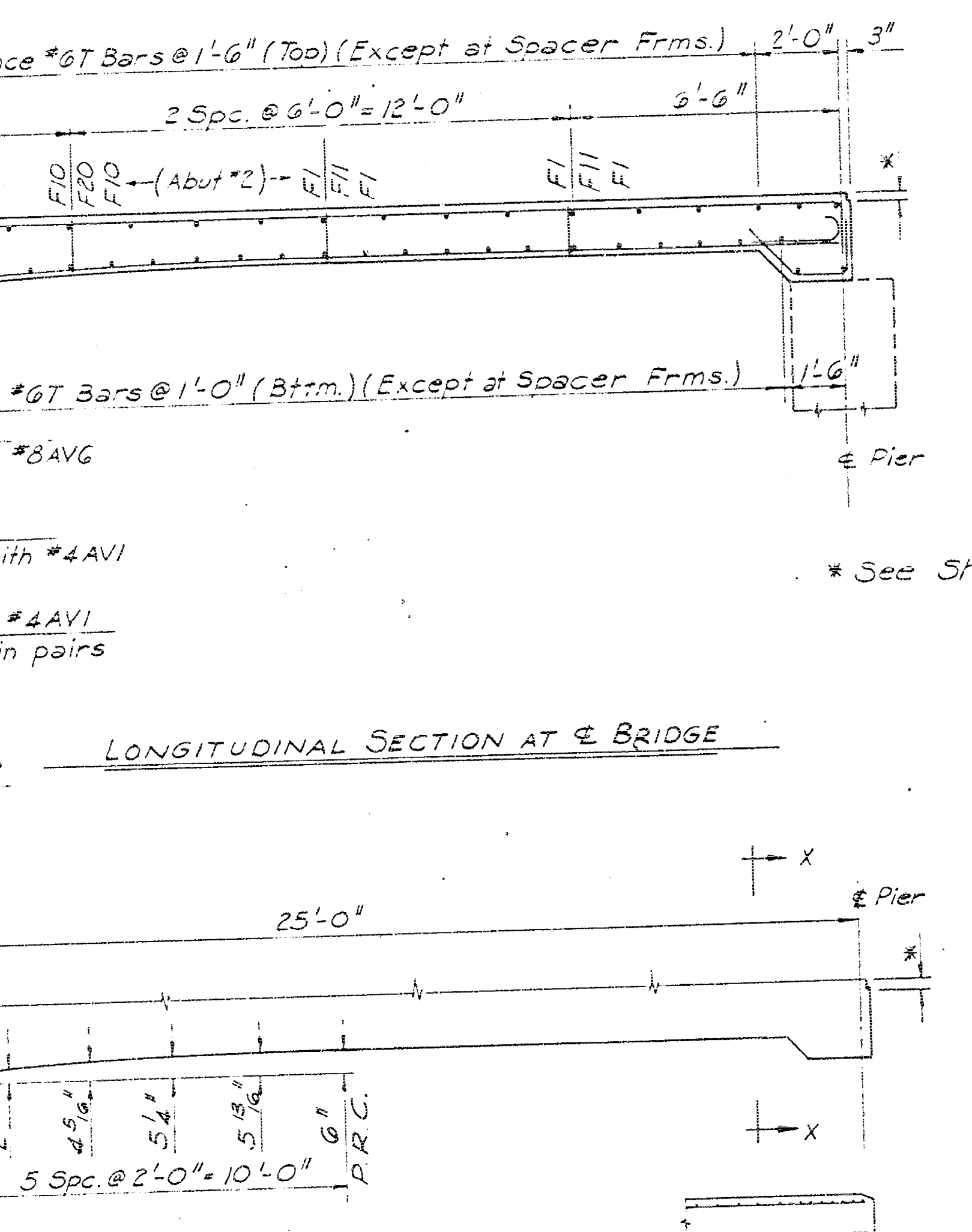
SECTION A-A



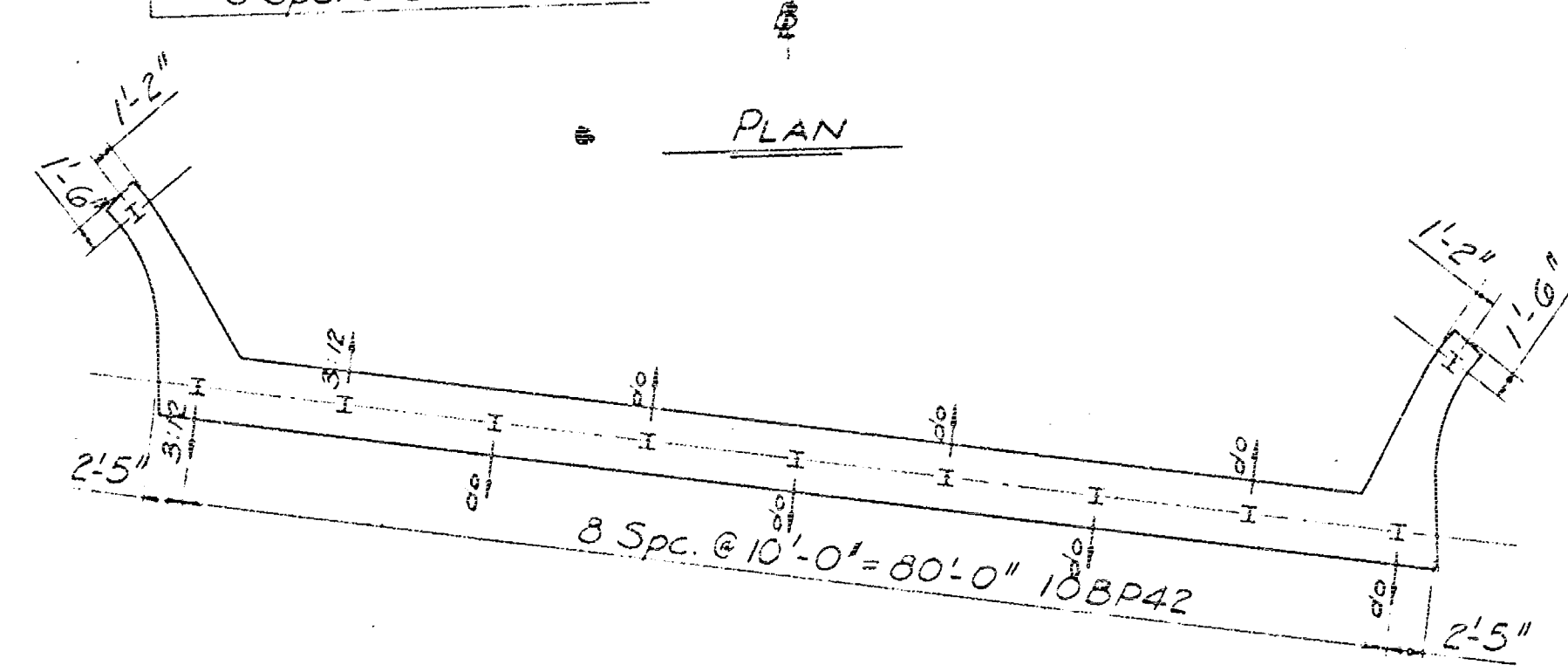
SECTION THRU WINGWALL



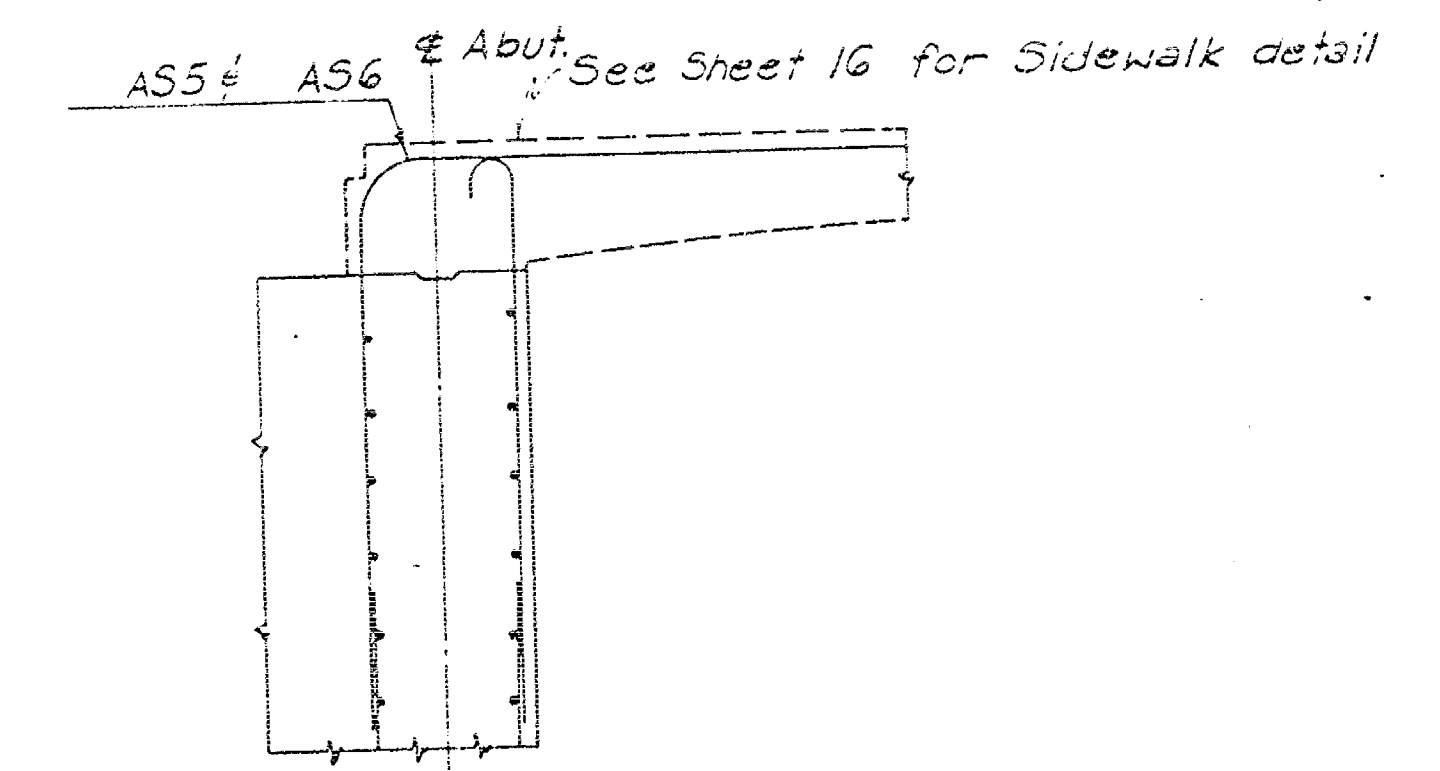
PART PLAN



LONGITUDINAL SECTION AT BRIDGE



FOOTING PLAN SHOWING PILE SPACING



PART SECTION THRU BACKWALL AT SIDEWALK

HAUNCH ORDINATES PART SECTION X-X

NOTE:
Refer to Sheet 9, Abutment No. 1. Details shown on this sheet apply to Abutment No. 1, except as otherwise indicated.
All concrete shall be Class AAA.

As Built Jan. 1971 C.R.S.

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

DETAILS, ABUTMENT 2

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE December 1968
SCALE
SHEET NO. 88-E-10

FEB 9 1971

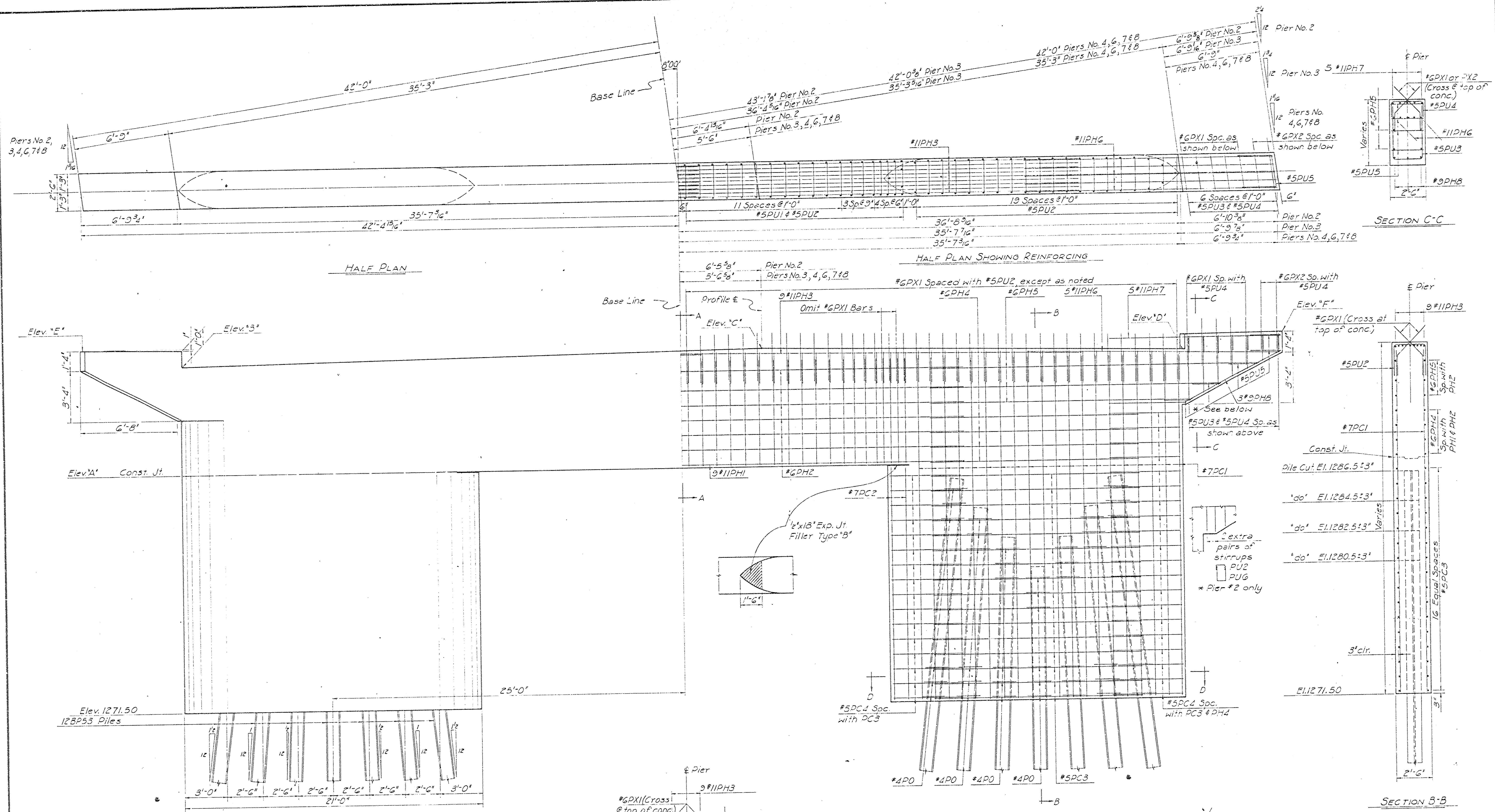


TABLE OF ELEVATIONS						
Location	Elev. A'	Elev. B'	Elev. C'	Elev. D'	Elev. E'	Elev. F'
Pier #2	1296.55	1294.24	1294.85	1294.36	1295.33	1295.44
Pier #3	1297.07	1294.46	1295.07	1294.59	1295.55	1295.67
Pier #4	1297.21	1294.58	1295.21	1294.73	1295.67	1295.82
Pier #6	1297.21	1294.56	1295.21	1294.75	1295.64	1295.84
Pier #7	1297.07	1294.42	1295.07	1294.63	1295.50	1295.72
Pier #8	1296.55	1294.18	1294.85	1294.42	1295.27	1295.51

NOTE:
See Sheet 7 for General Notes.
See Sheet 8 for Bridge Layout.
All concrete shall be Class A.

As Built Jan 1971 C.R.S.

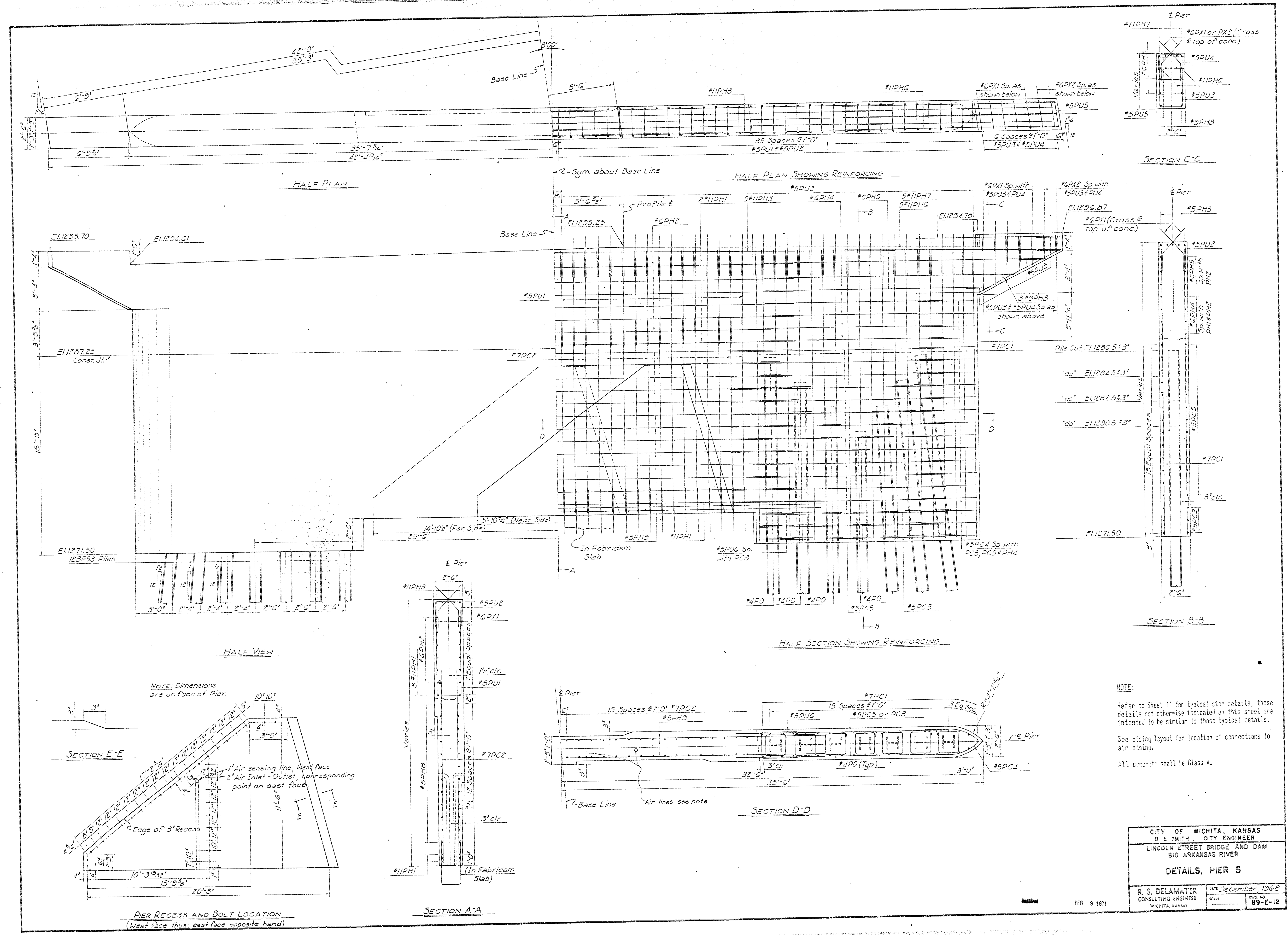
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

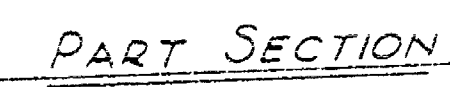
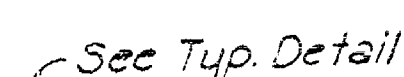
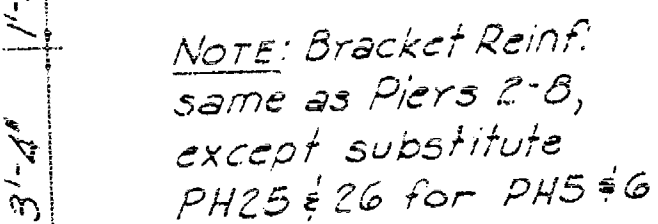
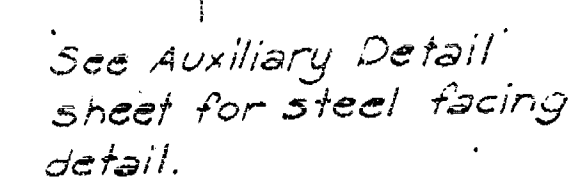
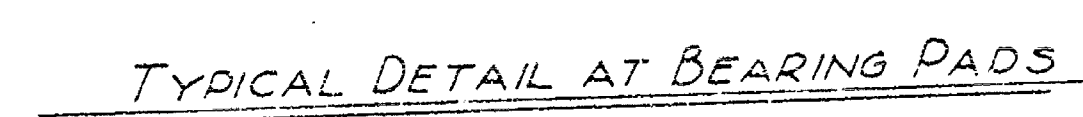
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER
PIERS 2, 3, & 4
PIERS 6, 7, & 8

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE December 1968
SCALE 89-E-11

FEB 9 1971





NOTE:

Refer to Sheet 11 for typical pier details, and to Sheet 14, Pier No. 9. This sheet and Sheet 14 are to be used in combination; details are identical on both piers except as otherwise noted or indicated. Details not otherwise indicated are intended to be similar to those shown as typical on Sheet 11.

All concrete shall be Class A.

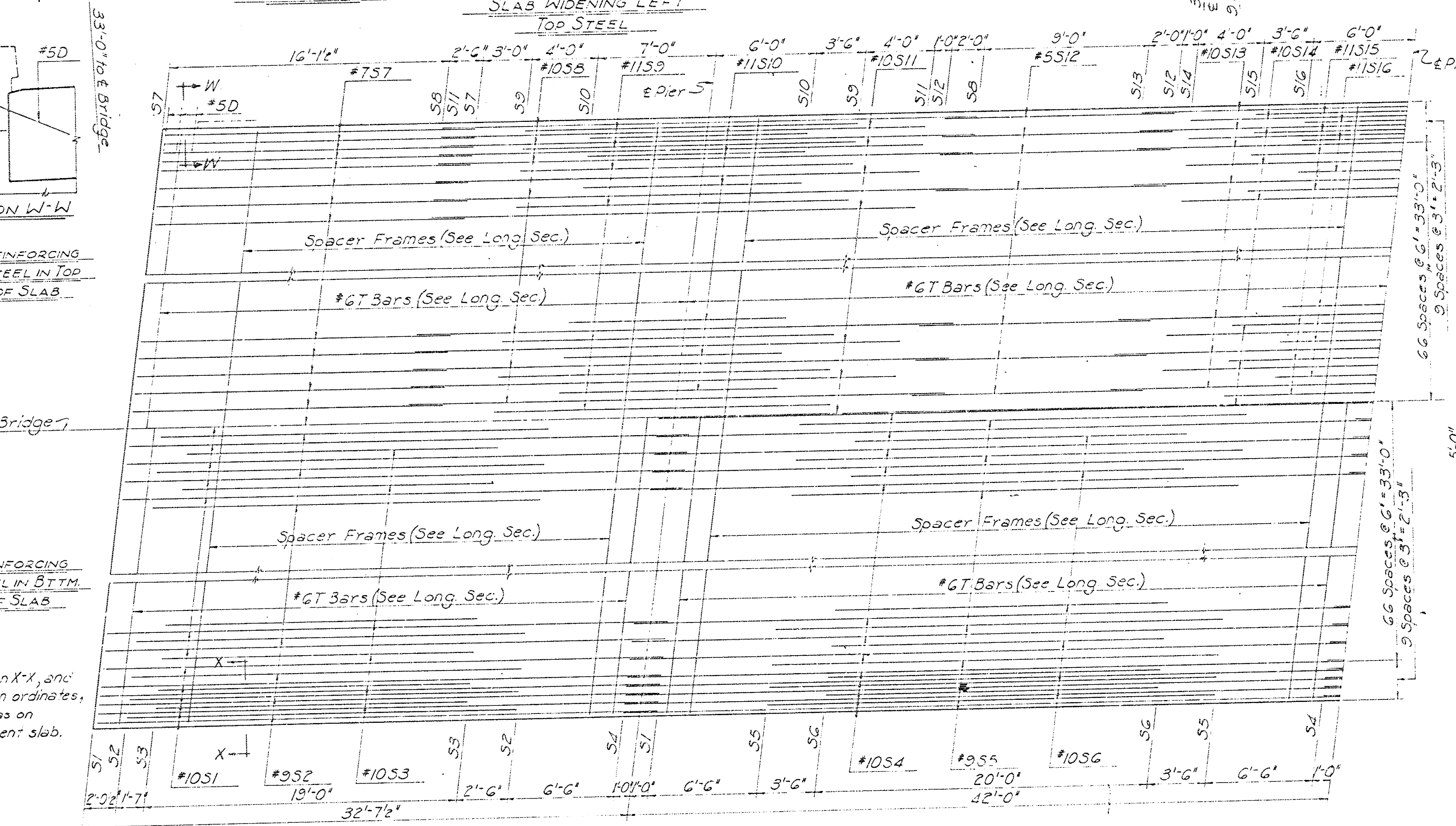
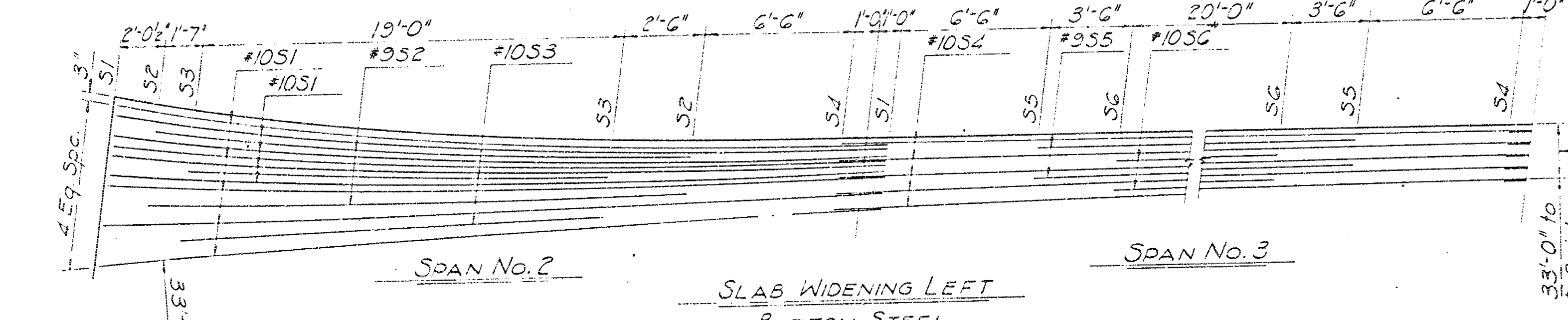
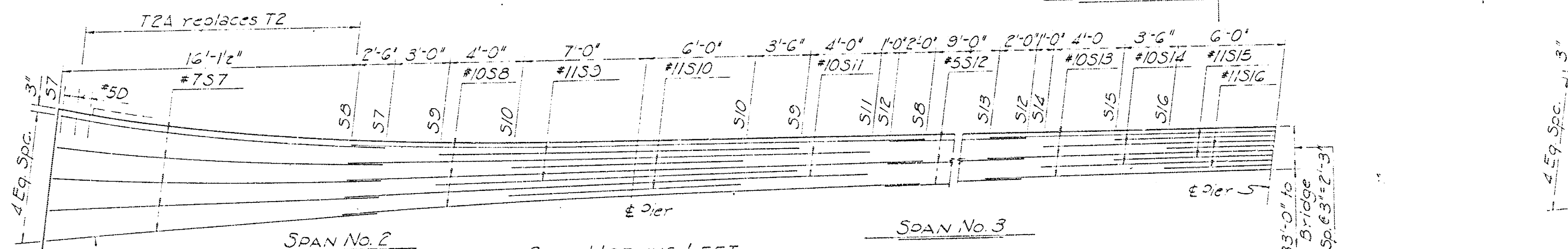
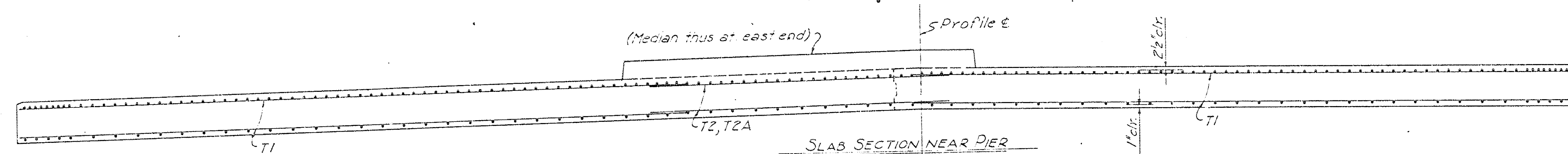
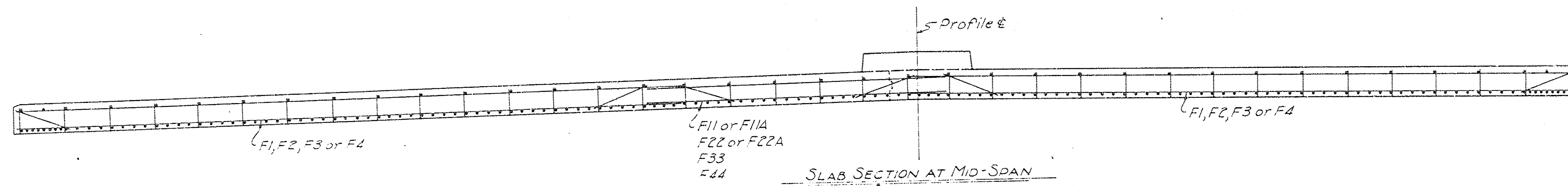
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER

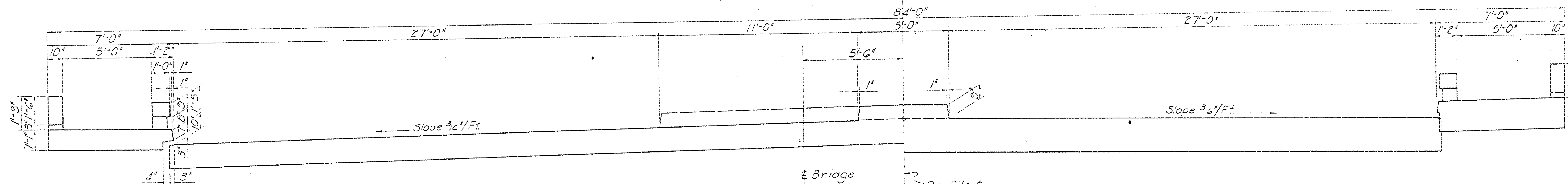
DETAILS, PIER 1

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

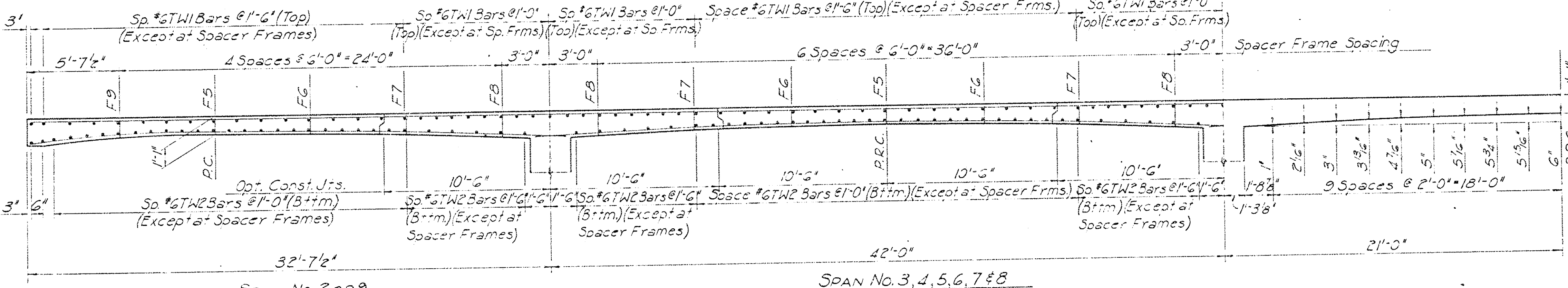
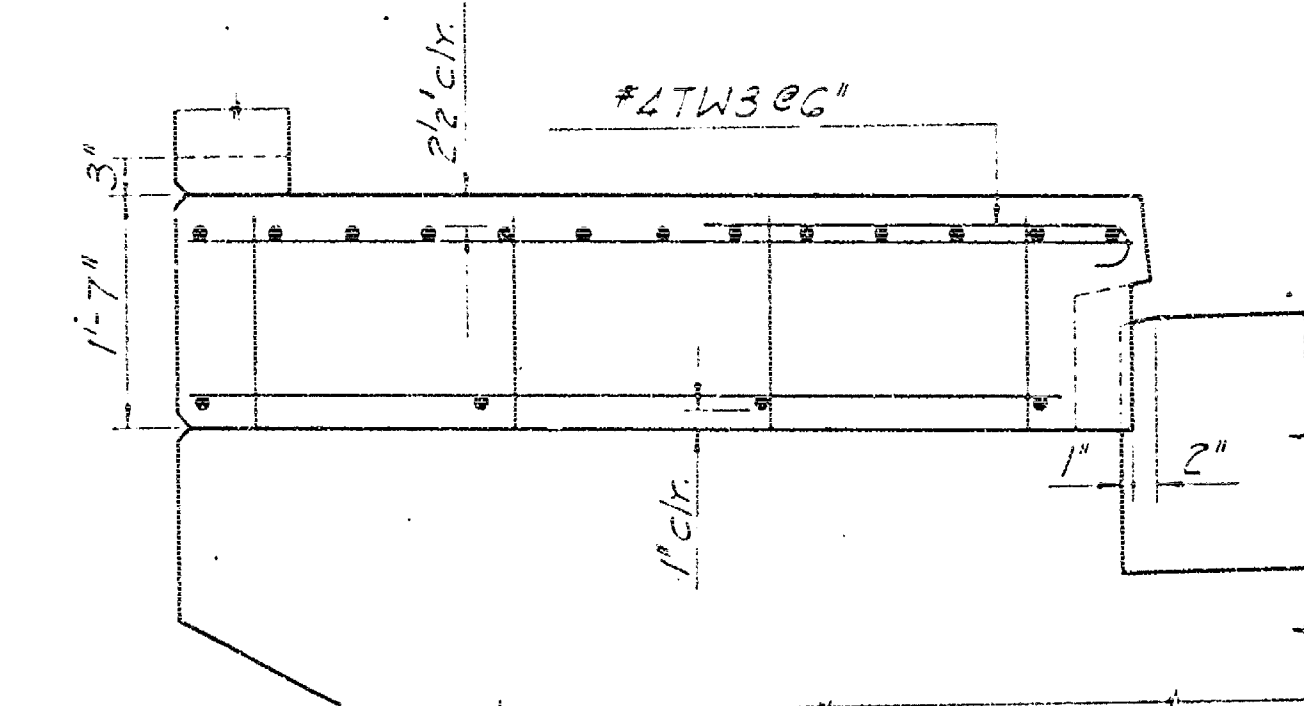
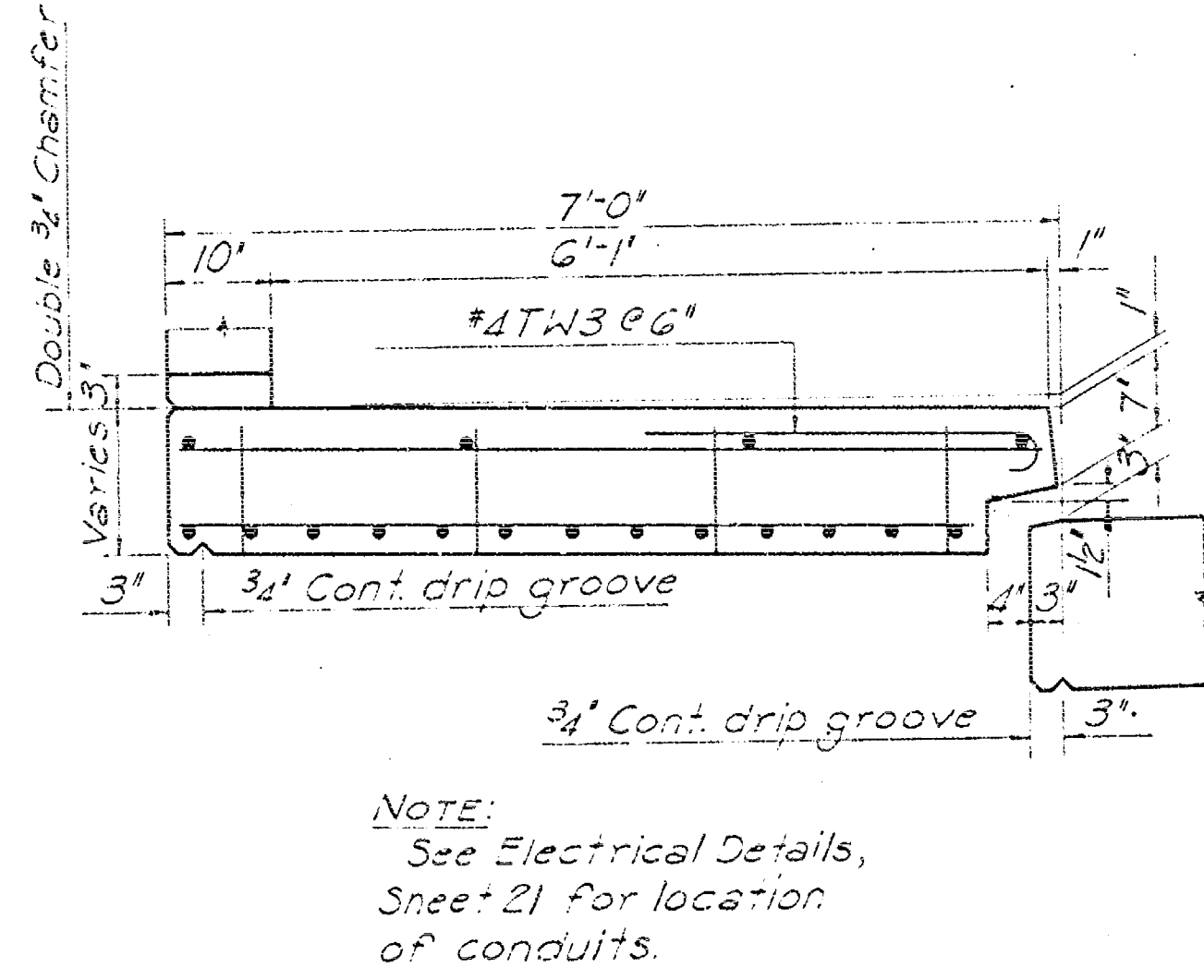
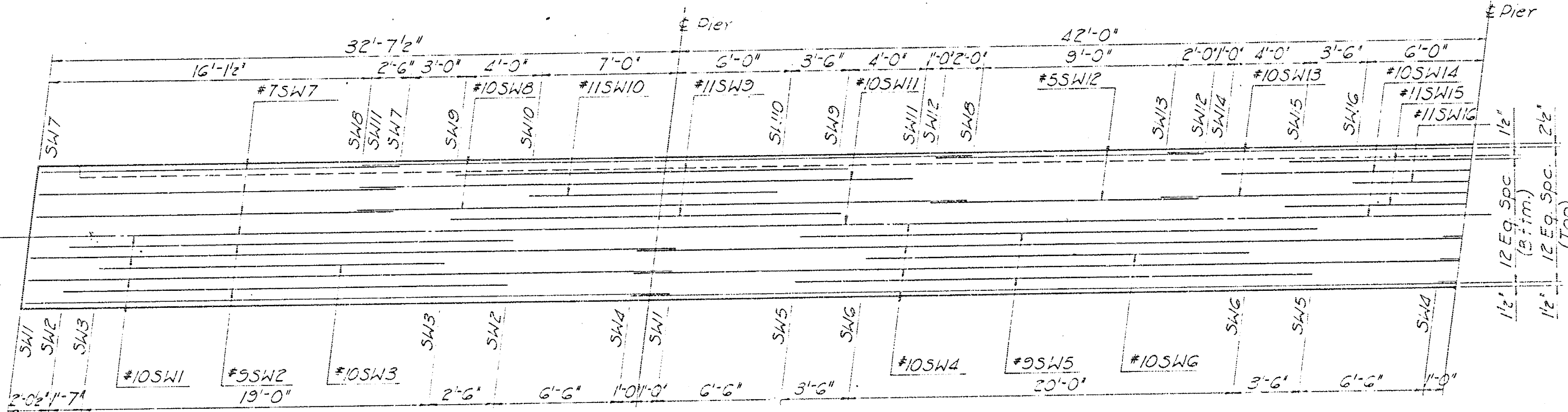
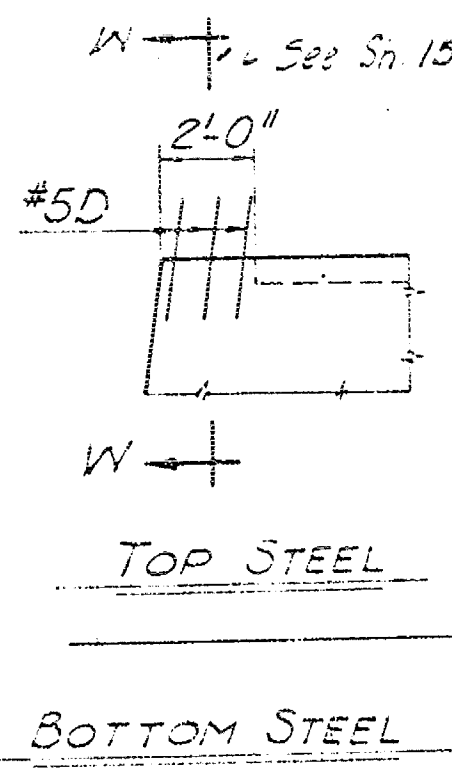
DATE <i>December, 1968</i>	
SCALE	DWG. NO. 89-E-13

FEB 9 1971

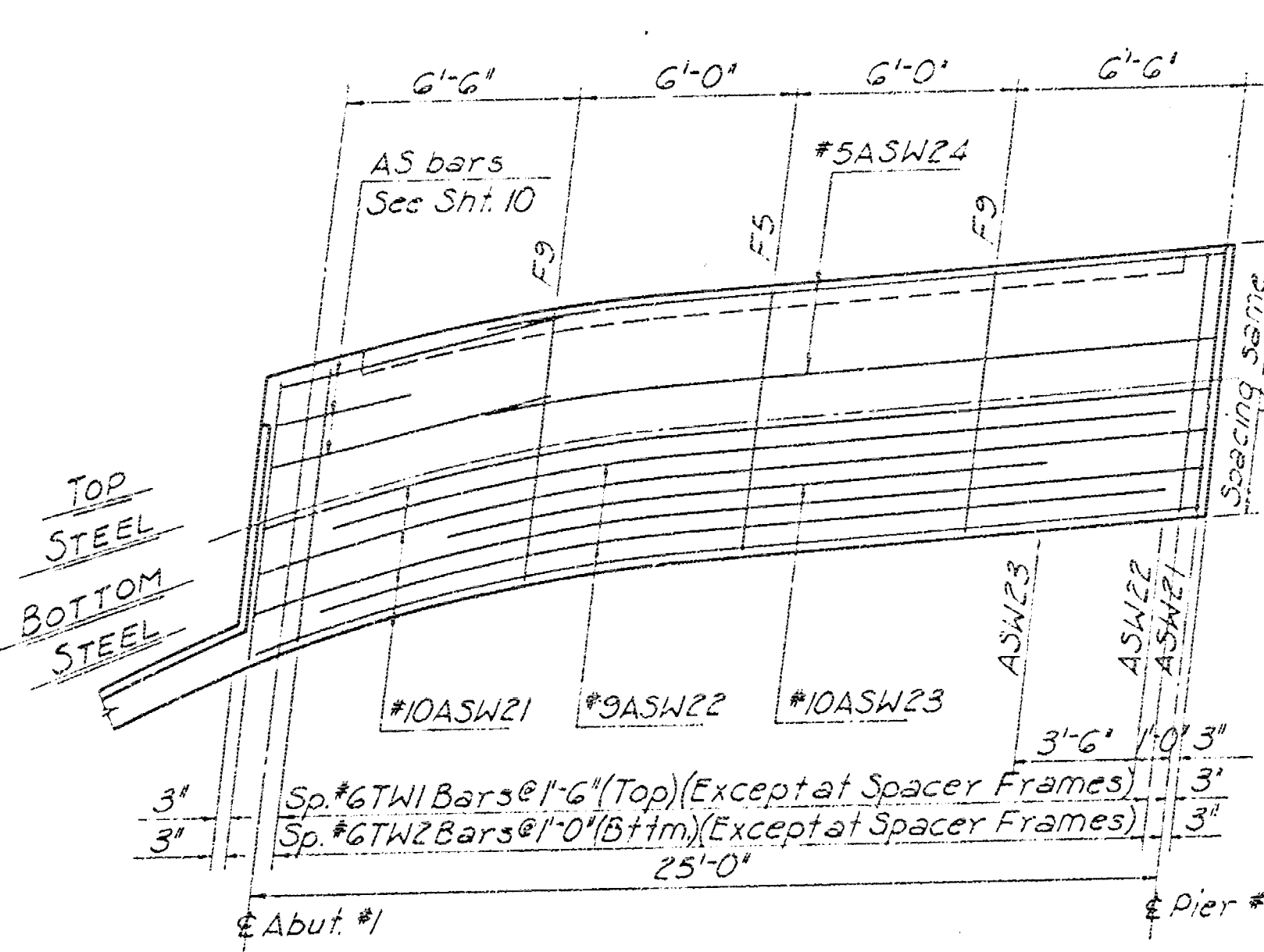
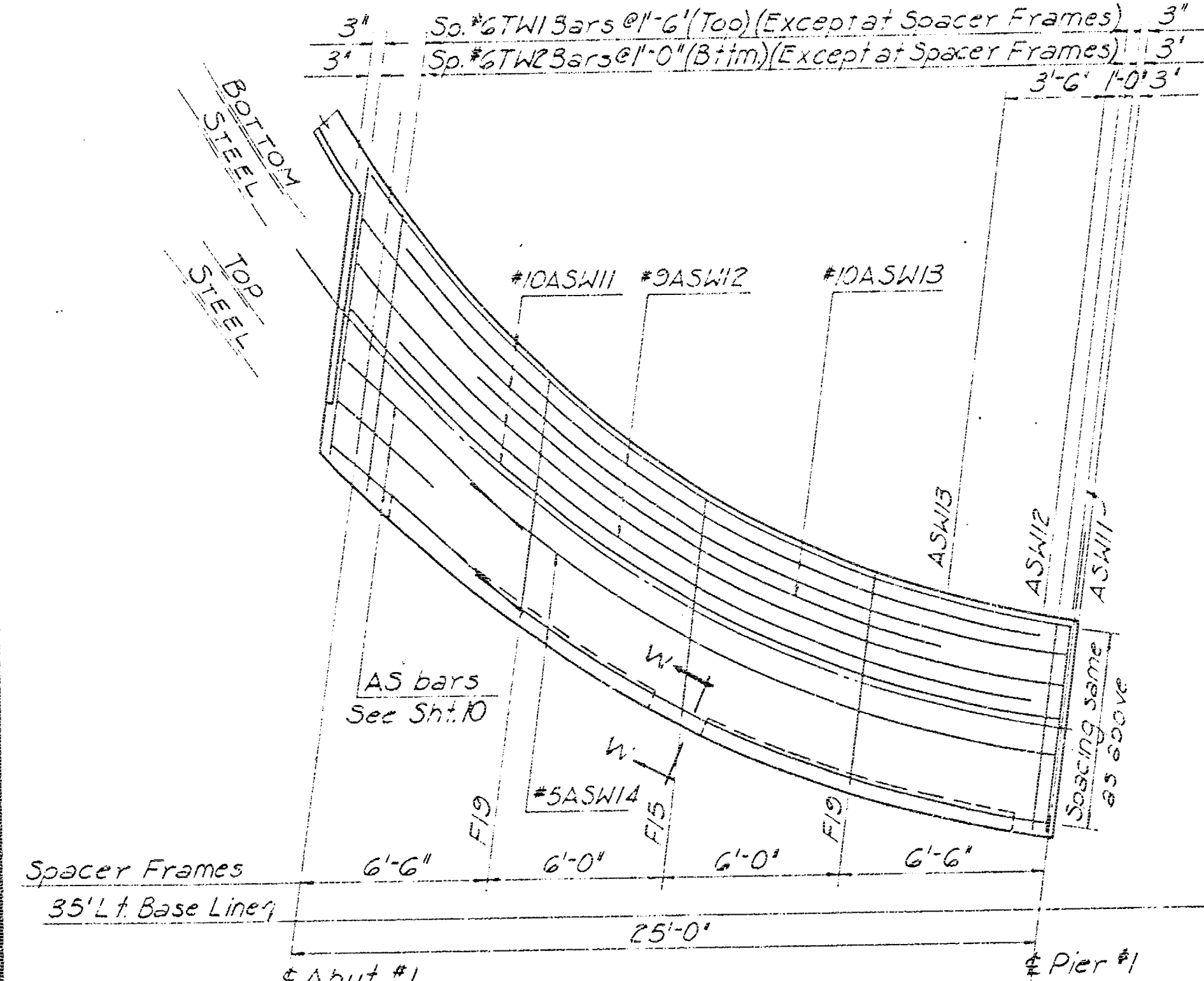
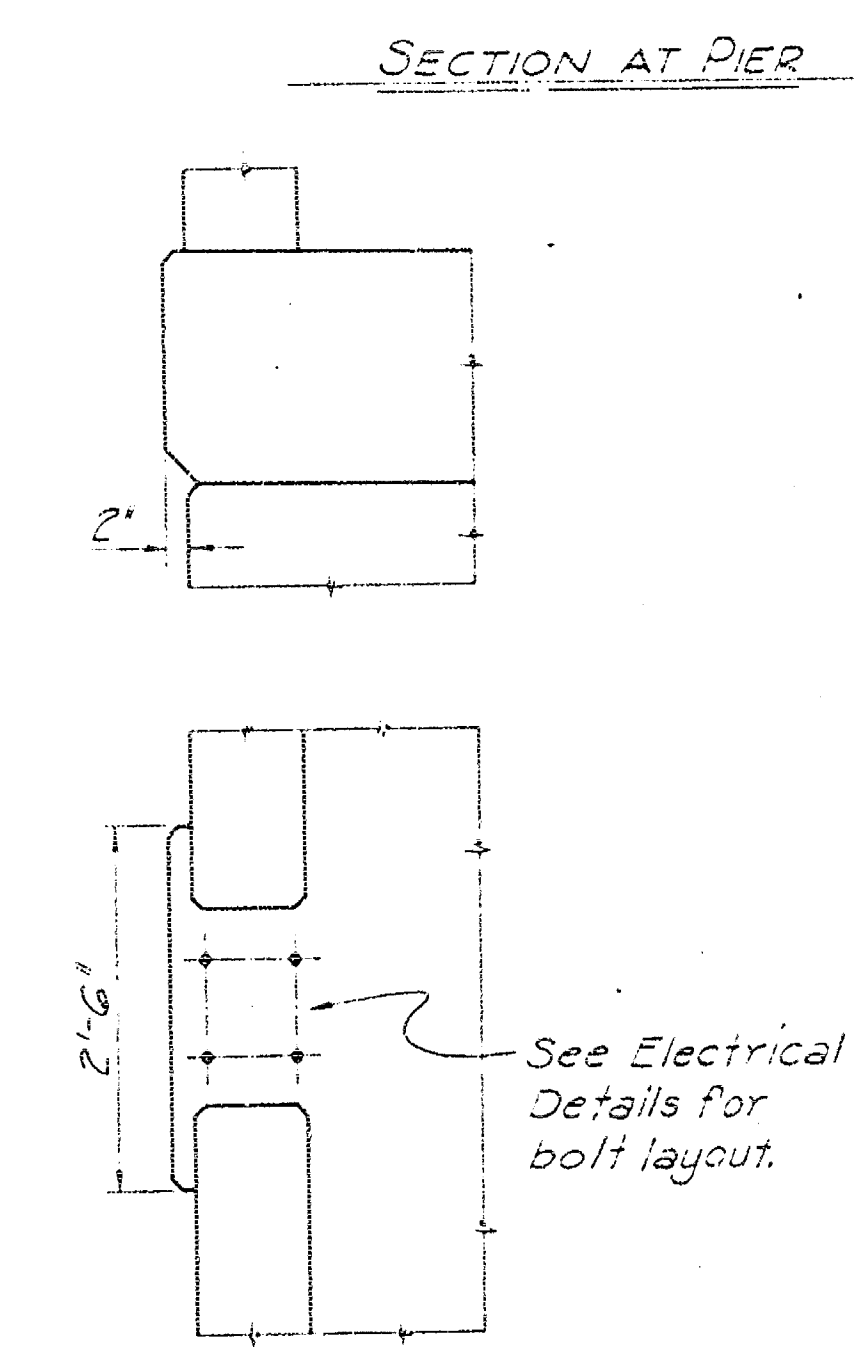




HALF SECTION AT PIER



HAUNCH ORDINATES



NOTE: In walks for Abut #2 use ASW1, 2, 3 & 4 and Frames F5 & F9 in appropriate positions.

NOTE: See Sheet 10 for Haunch Ordinates, parallel to Base Line, for all abutment walks.

NOTE: All concrete shall be Class AAA. See Sheet 19 for Bar List and Bending Diagrams. See Sheet 17 for Handrail Details. See Sheet 7 for General Notes.

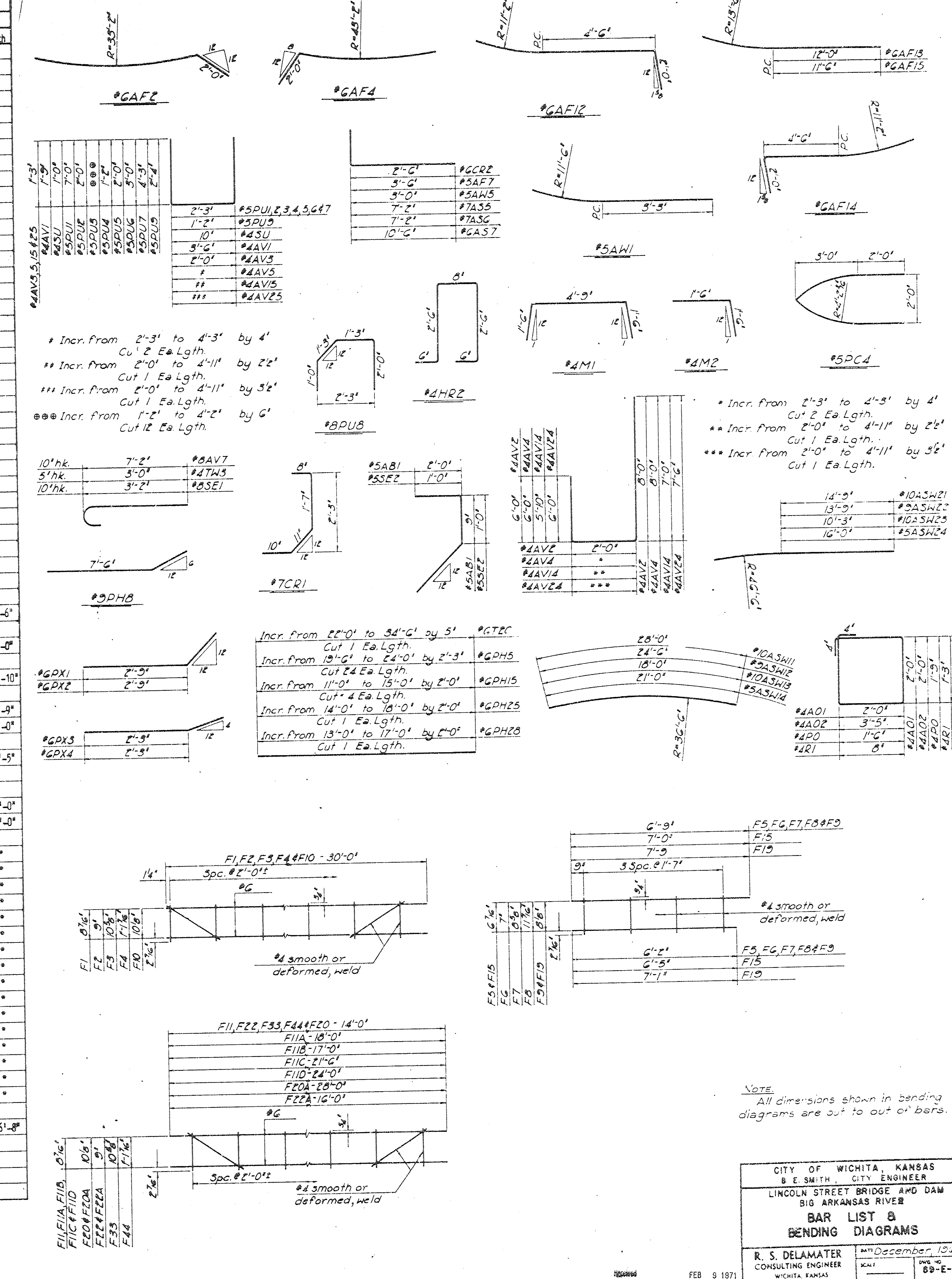
As Built Jan. 1971 C.P.S.
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER
SIDEWALK DETAILS
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS
DATE December, 1968
SCALE
PNC NO. 89-E-16

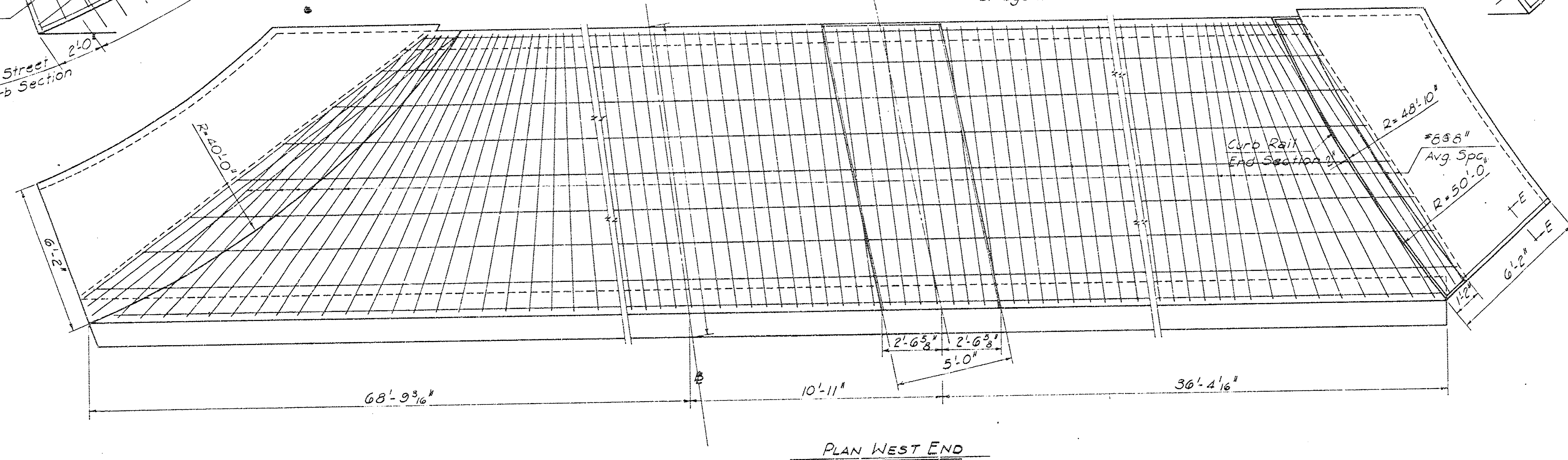
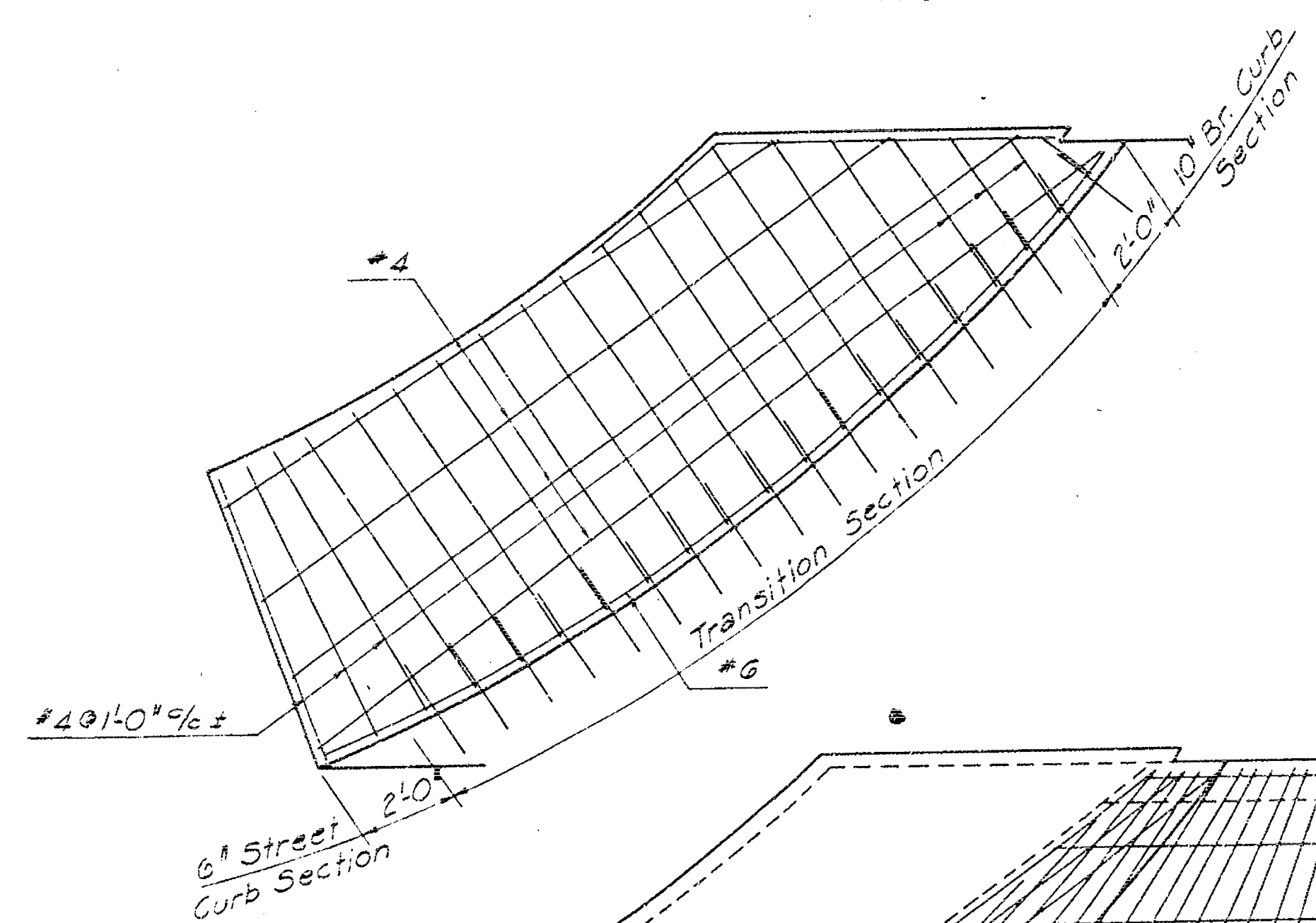
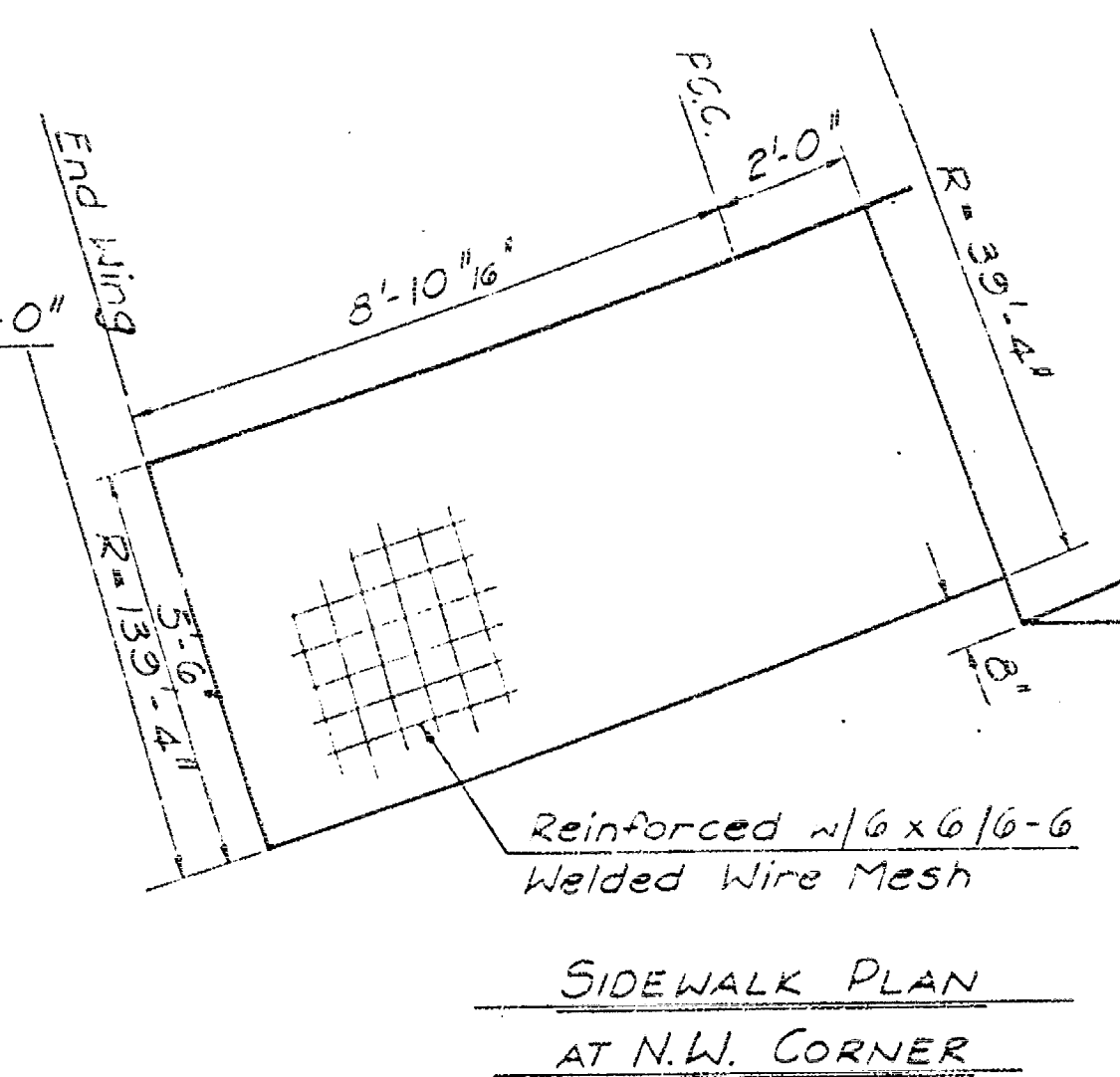
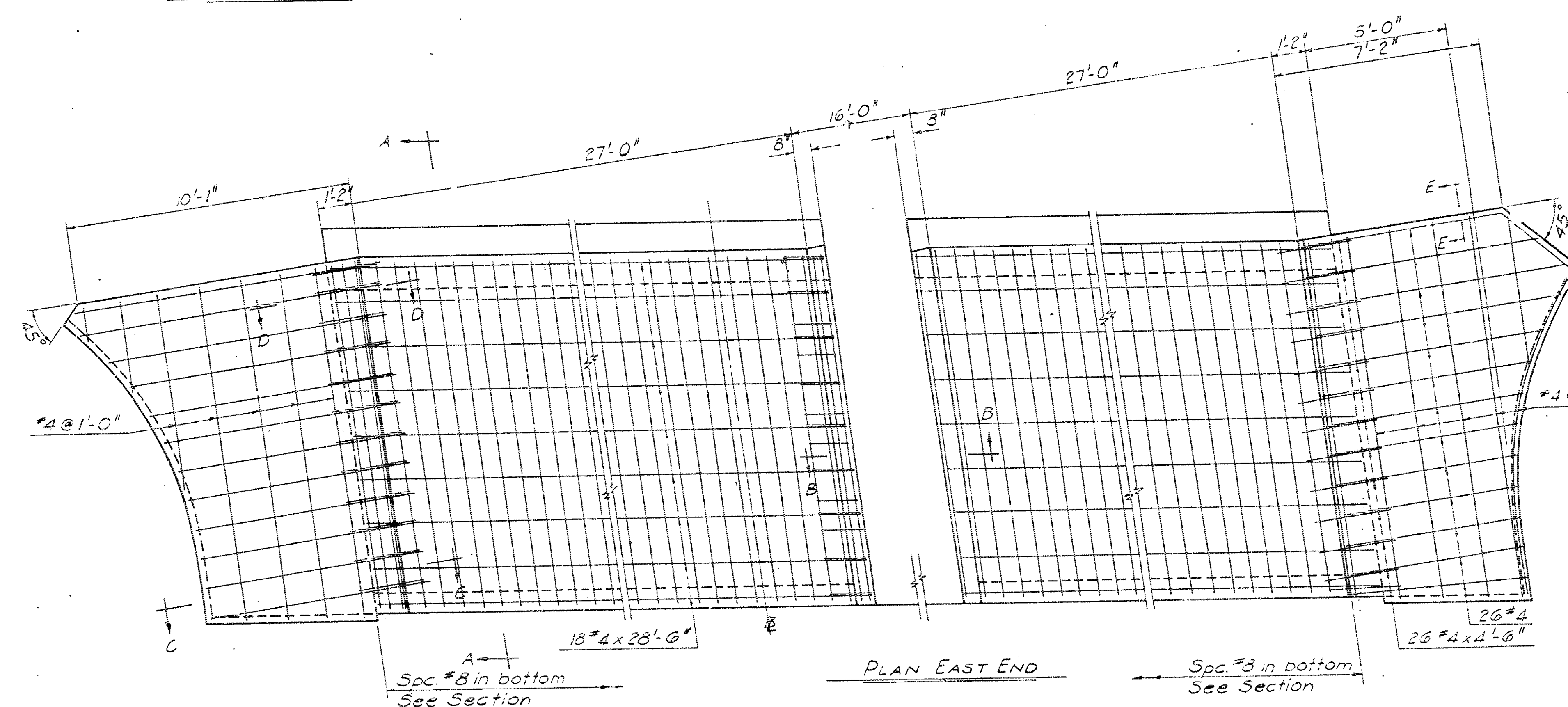
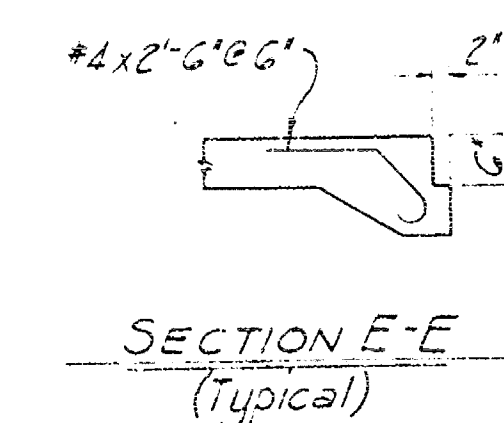
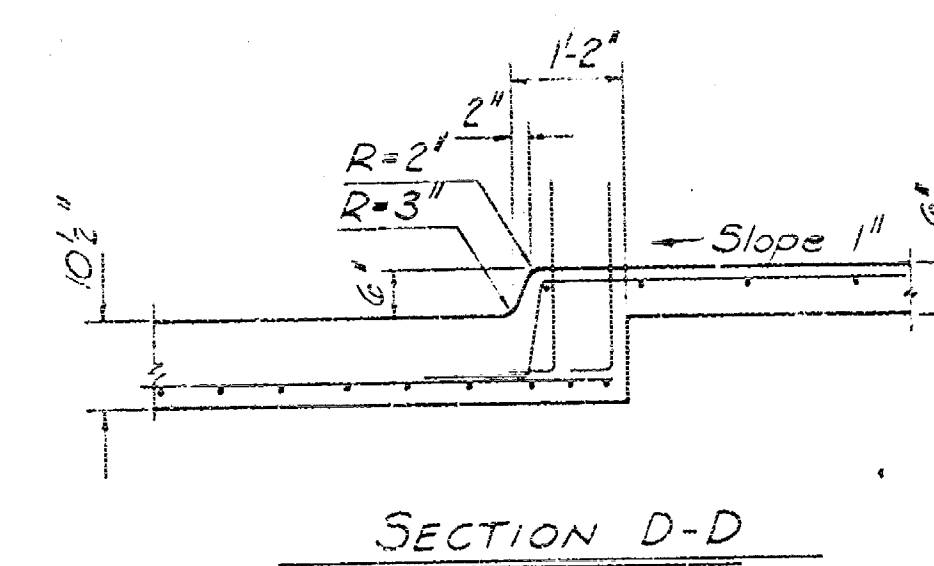
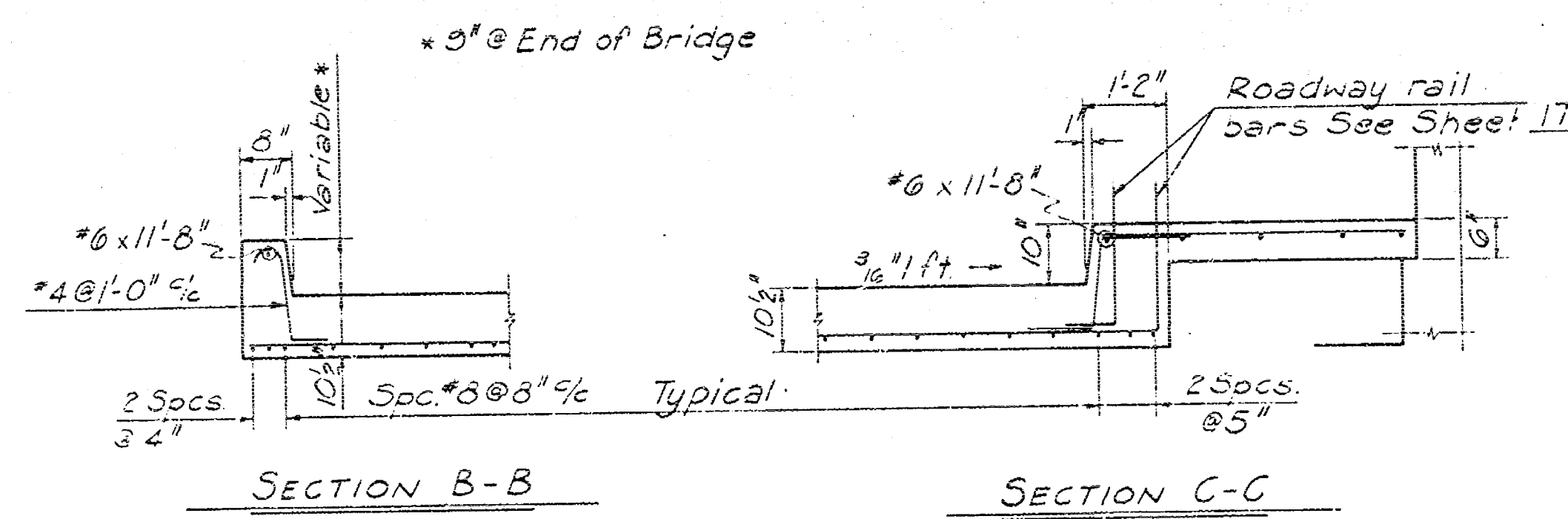
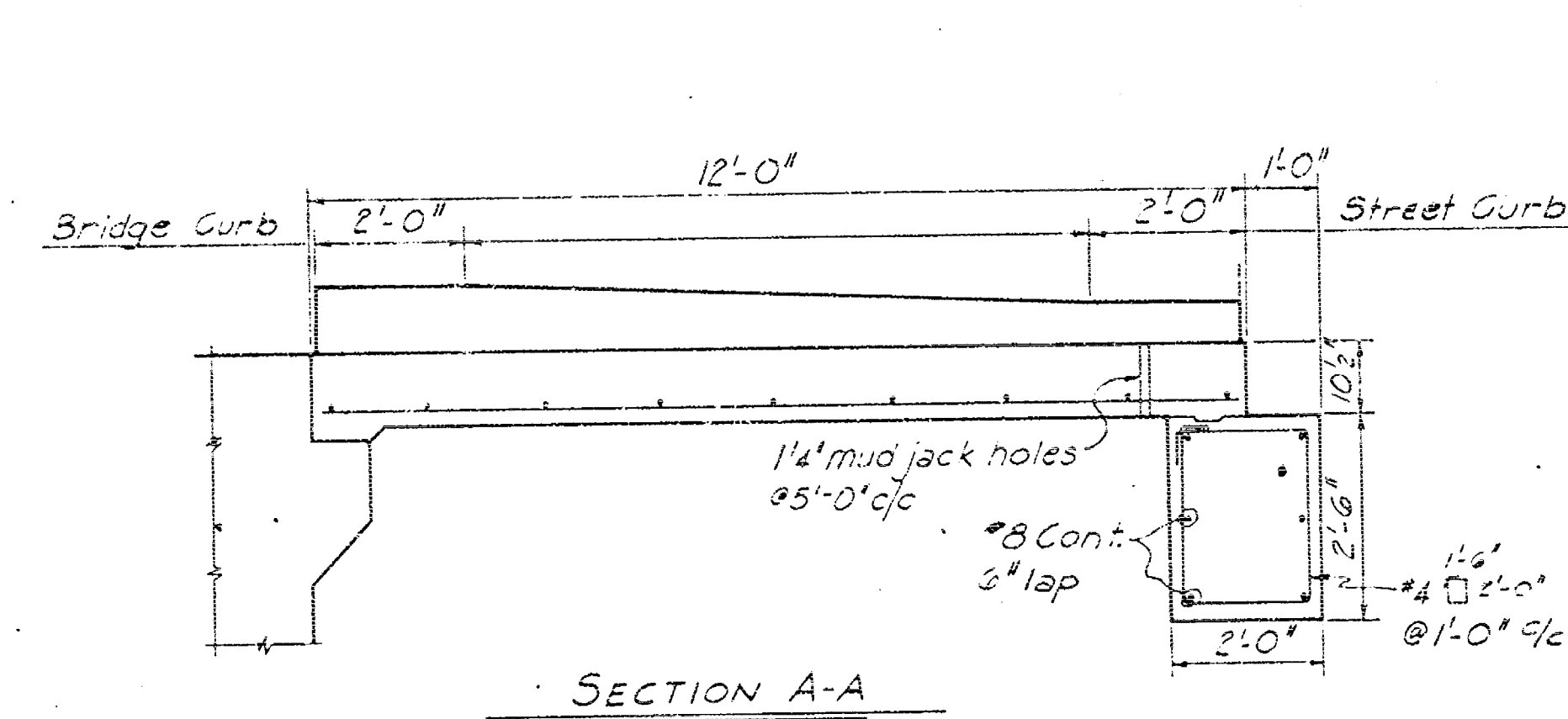
Approved FEB 9 1971

ABUTMENT NO. 1				ABUTMENT NO. 2			
STRAIGHT BARS		BENT BARS		STRAIGHT BARS		BENT BARS	
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
AF1	90	8	37'-0"	AF2	7	6	16'-0"
AF3	7	8	24'-0"	AF4	7	6	14'-8"
AF5	7	6	18'-0"	AF7	12	5	4'-6"
AF6	22	5	10'-6"	AB1	93	5	5'-0"
AR1	12	4	4'-8"	AO1	10	4	8'-8"
AR2	32	4	4'-4"	AO2	33	4	11'-6"
AR3	12	4	10'-8"	AS1	83	10	26'-0"
AS1	83	10	26'-0"	AS5	47	7	11'-6"
AS2	41	9	23'-0"	AS6	50	7	15'-6"
AS3	41	10	16'-0"	AS7	82	6	15'-0"
AS4	42	6	20'-0"	AW5	12	5	10'-0"
AW1	6	5	12'-0"	AV1	210	4	7'-0"
AW2	26	5	4'-0"	AV7	105	8	8'-0"
AW3	6	5	13'-0"	AV14	15	4	*
AW4	12	4	7'-0"	AV15	15	4	*
AV6	210	8	6'-6"	AV24	11	4	*
AV25	11	4	*	AV25	11	4	*
D	11	5	2'-6"	W1	27	4	7'-9"
MS	4	4	26'-0"	SE1	76	8	4'-0"
T2C	31	6	*	SE2	76	5	3'-6"
T1	72	6	30'-0"	F1	4	*	*
T2B	5	6	20'-6"	F5	1	*	*
TW1	32	6	6'-0"	F9	2	*	*
TW2	48	6	6'-3"	F10	2	*	*
ASW11	7	10	28'-0"	F11C	1	*	*
ASW12	4	9	24'-6"	F11D	1	*	*
ASW13	2	10	18'-0"	F15	1	*	*
ASW14	4	5	21'-0"	F19	2	*	*
ASW21	7	10	26'-6"	F20A	1	*	*
ASW22	4	9	23'-6"	TW3	104	4	3'-5"
ASW23	2	10	16'-6"				
ASW24	4	5	20'-6"				

PIERS 2, 3, 4, 5, 6, 7, 8 (Total for six Piers)				PIER NO. 5			
STRAIGHT BARS		BENT BARS		STRAIGHT BARS		BENT BARS	
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
PC1	468	7	22'-0"	PC4	432	5	10'-8"
PC2	36	7	15'-3"	PO	504	4	7'-2"
PC3	384	5	15'-0"	PH1	54	11	40'-0"
PH1	54	11	40'-0"	PH2	72	5	40'-0"
PH2	72	5	40'-0"	PH3	108	11	30'-0"
PH3	108	11	30'-0"	PH4	96	6	15'-0"
PH4	96	6	15'-0"	PH5	72	6	*
PH5	72	6	*	PH6	60	11	18'-0"
PH6	60	11	18'-0"	PH7	60	11	12'-0"
PH7	60	11	12'-0"	PH8	36	9	13'-0"
PH8	36	9	13'-0"	PU1	228	5	16'-3"
PU1	228	5	16'-3"	PU2	452	5	6'-3"
PU2	452	5	6'-3"	PU3	84	5	*
PU3	84	5	*	PU4	84	5	4'-7"
PU4	84	5	4'-7"	PU5	50	5	6'-3"
PU5	50	5	6'-3"	PU6#	2	5	8'-3"
PU6#	2	5	8'-3"	PX1	1010	6	4'-3"
PX1	1010	6	4'-3"	PX2	48	6	3'-3"
PX2	48	6	3'-3"	# For Pier No. 2 Only			
PC1	78	7	22'-0"	PC4	40	5	10'-8"
PC2	64	7	15'-6"	PO	84	4	7'-2"
PC3	12	5	15'-9"	PH1	9	11	44'-0"
PC5	52	5	18'-0"	PH2	12	6	40'-0"
PH1	9	11	44'-0"	PH3	10	11	30'-0"
PH2	12	6	40'-0"	PH4	16	6	15'-0"
PH3	10	11	30'-0"	PH5	12	6	*
PH4	16	6	15'-0"	PH6	10	11	18'-0"
PH5	12	6	*	PH7	10	11	12'-0"
PH6	10	11	18'-0"	PH8	6	9	13'-0"
PH7	10	11	12'-0"	PH9	24	5	40'-0"
PH8	6	9	13'-0"	PU1	32	5	16'-3"
PH9	24	5	40'-0"	PU2	72	5	6'-3"
PU1	32	5	16'-3"	PU3	14	5	*
PU2	72	5	6'-3"	PU4	14	5	4'-7"
PU3	14	5	*	PU5	10	5	6'-3"
PU4	14	5	4'-7"	PU6	6	5	8'-3"
PU5	10	5	6'-3"	PX1	164	6	4'-3"
PU6	6	5	8'-3"	PX2	8	6	3'-3"
PX1	164	6	4'-3"				
PX2	8	6	3'-3"				

SUPERSTRUCTURE				PIER NO. 1			
STRAIGHT BARS		BENT BARS		STRAIGHT BARS		BENT BARS	
Mark	No. Req.	Size	Length	Mark	No. Req.	Size	Length
S1	154	10	33'-6"	PC11	114	7	12'-0"
S2	76	9	23'-1"	PC13	10	5	9'-0"
S3	72	10	19'-0"	PC23	10	5	10'-0"
S4	450	10	44'-0"	PC33	20	5	7'-0"
S5	228	9	27'-0"	PH7	10	11	12'-0"
S6	216	10	20'-0"	PH8	6	9	13'-0"
S7	150	7	18'-6"	PH9	5	11	18'-0"
S8	76	10	33'-0"	PU7	27	5	10'-9"
S9	76	11	20'-6"	PU8	48	5	5'-6"
S10	72	11	13'-0"	PU9	36	4	5'-10"
S11	74	10	30'-0"	PX3	172	6	3'-3"
S12	228	5	13'-0"	PX4	8	6	2'-9"
S13	190	10	33'-0"	CR15	16	5	6'-0"
S14	185	10	27'-0"	CR16	16	7	6'-0"
S15	190	11	19'-0"	CR23	16	5	6'-11"
S16	180	11	12'-0"	CR24	8	7	6'-11"
SW1	28	10	33'-6"	CR25	8	5	6'-2"
SW2	16	9	23'-1"	CR26	8	7	6'-2"
SW3	8	10	19'-0"	CR33	8	5	6'-4"
SW4	84	10	44'-0"	CR34	16	7	6'-4"
SW5	48	9	27'-0"	CR35	152	5	7'-10"
SW6	24	10	20'-0"	CR36	152	7	7'-10"
SW7	28	7	18'-6"	HR3	40	4	4'-6"
SW8	16	10	33'-0"	HR4	80	4	7'-4"
SW9	16	11	20'-6"	HR13	95	4	4'-9"
SW10	8	11	13'-0"	HR14	300	4	7'-10"
SW11	12	10	30'-0"	HR23	5	4	5'-1"
SW12	48	5	13'-0"				
SW13	40	10	33'-0"				
SW14	30	10	27'-0"				
SW15	40	11	19'-0"				
SW16	20	11	12'-0"				
T1	862	6	30'-0"				
T2	326	6	14'-0"				
T2A	105	6	20'-0"				
D	12	5	2'-6"				
W3	76	4	*				
W5	50	4	30'-0"				
TW1	406	6	6'-9"				
TW2	436	6	6'-3"				
CR3	8	5	7'-2"				
CR4	8	7	7'-2"				
CR5	8	5	6'-3"				
CR6	8	7	6'-5"				
CR13	16	5	6'-9"				
CR14	16	7	6'-9"				
CR15	16	5	6'-0"				
CR16	16	7	6'-0"				
CR23	16	5	6'-11"				
CR24	8	7	6'-11"				
CR25	8	5	6'-2"				
CR26	8	7	6'-2"				
CR33	8	5	6'-4"				
CR34	16	7	6'-4"				
CR35	152	5	7'-10"				
CR36	152	7	7'-10"				
HR3	40	4	4'-6"				
HR4	80	4	7'-4"				
HR13	95	4	4'-9"				
HR14	300	4	7'-10"				
HR23	5	4	5'-1"				

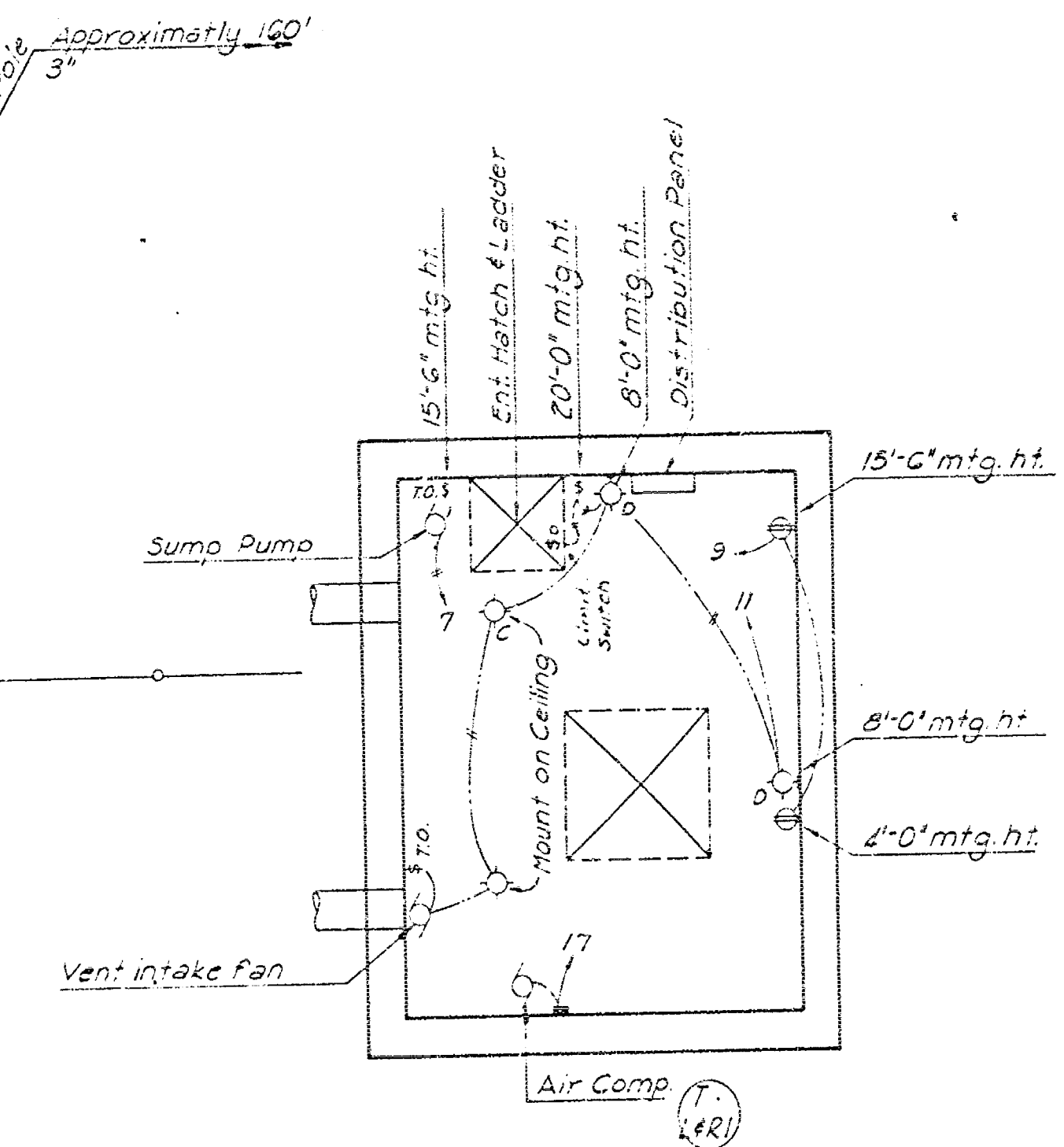
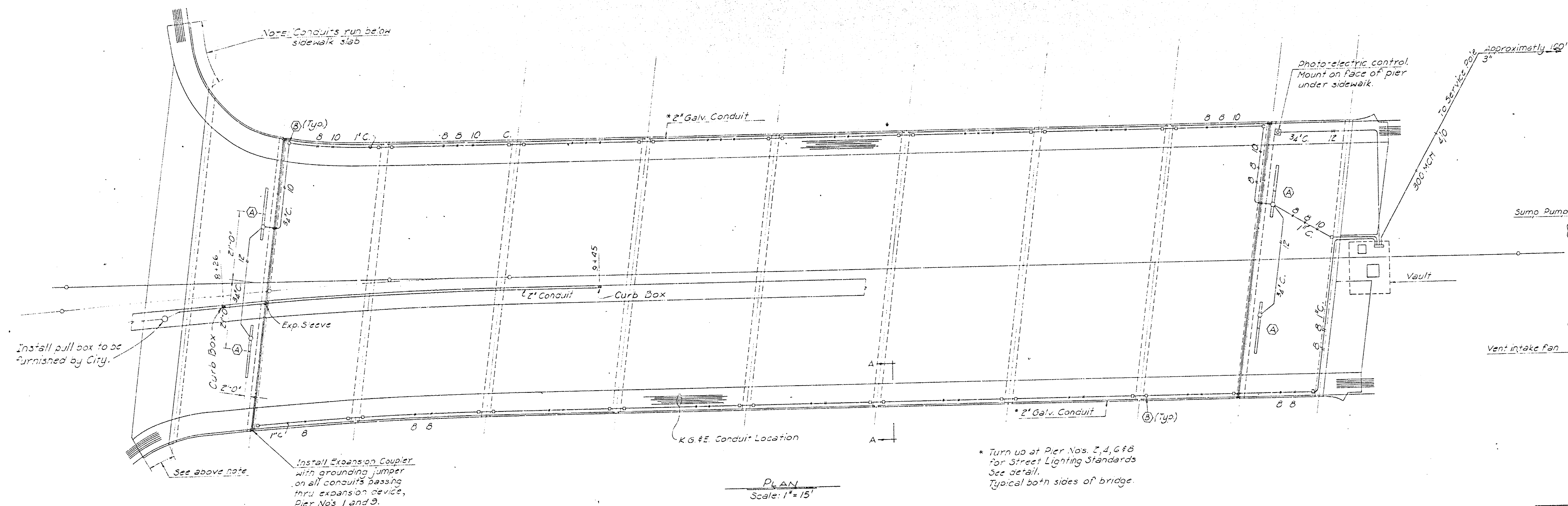




NOTE: Reinforcing steel in raised median as per bridge median.

NOTE:
All concrete shall be Class 4AA.
Estimated slab area includes area of curbs and walks.
Estimated quantities in both slabs include:
Concrete 178 Cu. Yds.
Reinf. Steel 1,250 lbs.
Cure all exposed surfaces with linseed oil emulsion as for bridge deck.

CITY OF WICHITA, KANSAS B. E. SMITH, CITY ENGINEER	
LINCOLN STREET BRIDGE AND DAM BIG ARKANSAS RIVER	
APPROACH SLABS	
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE December, 1968 SCALE DWG. NO. 89-E-20



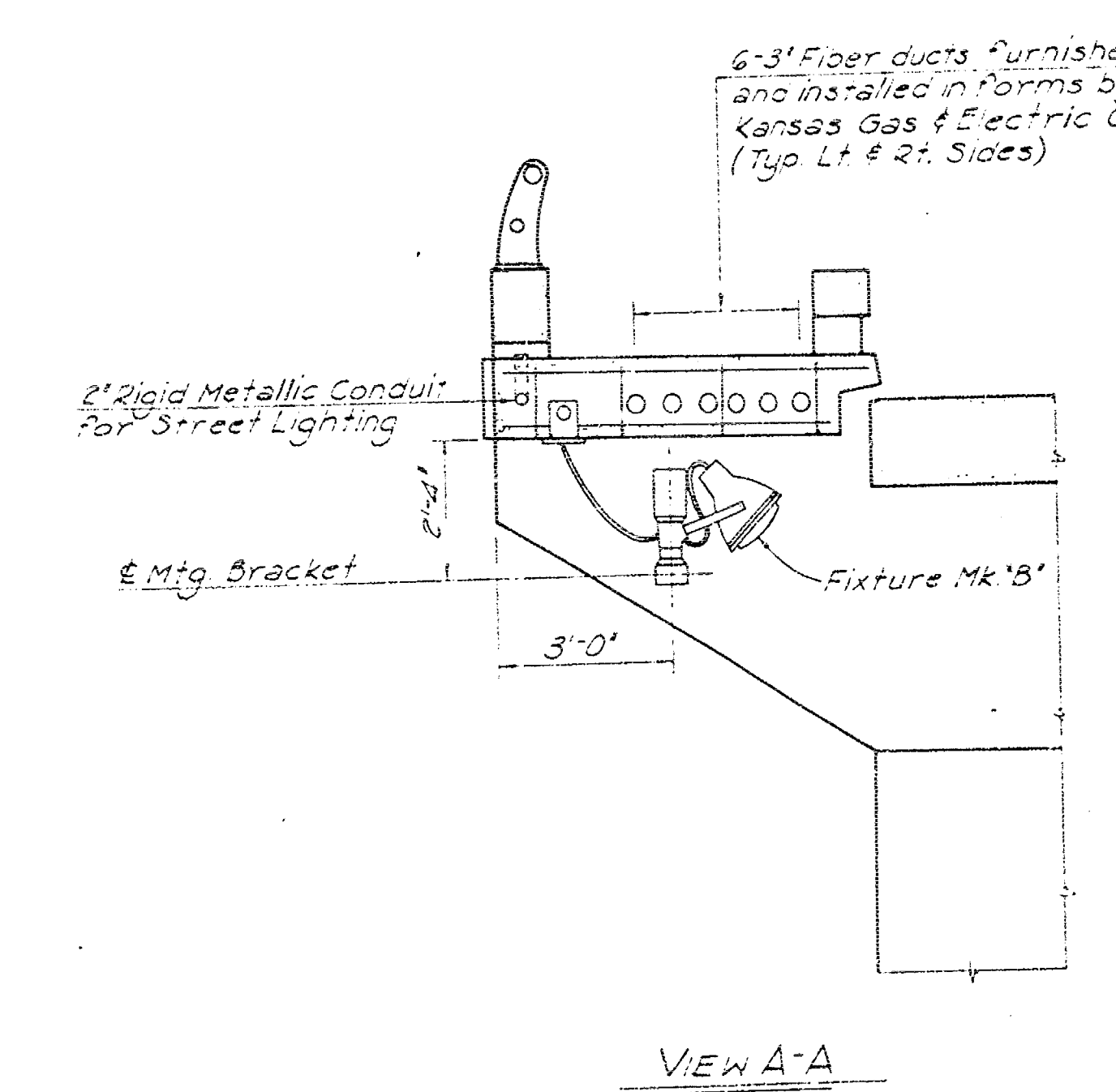
FLOOR PLAN OF VAULT
Scale: $\frac{1}{4}" = 1'-0"$

FIXTURE LIST			
MARK	QUANTITY	MFR.	CAT. NO.
A	8 Ea.	Spaulding	8-CY-1-1500.
B	32 Ea.	Crouse-Hinds	MVE-14 #48090
C	2 Ea.	Appleton	VXHA-2050 G
D	2 Ea.	Appleton	VGAT-1050 G

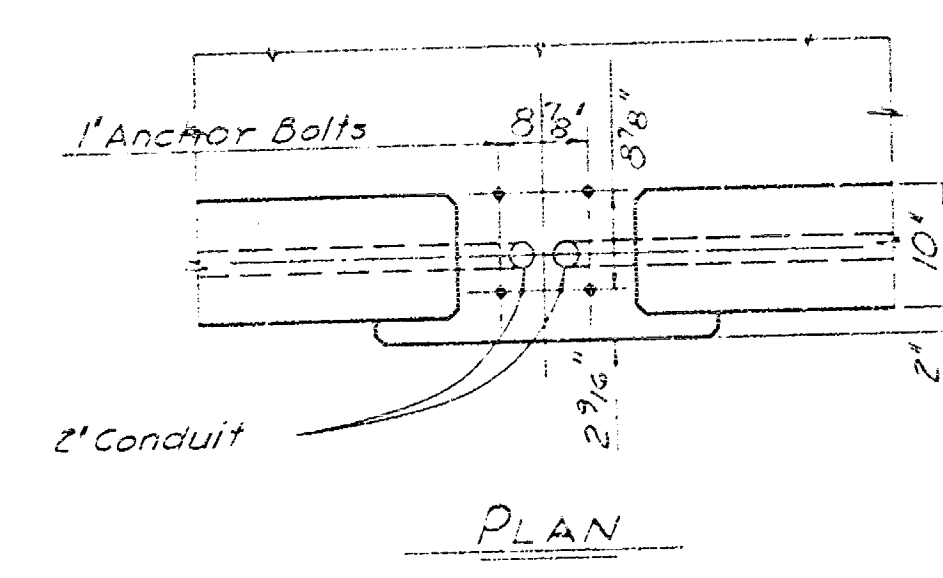
NOTE:

See Sheet 5 for location and size of Control Vault.
See Sheet 16 for exact location of street lights and
section of sidewalk slab.

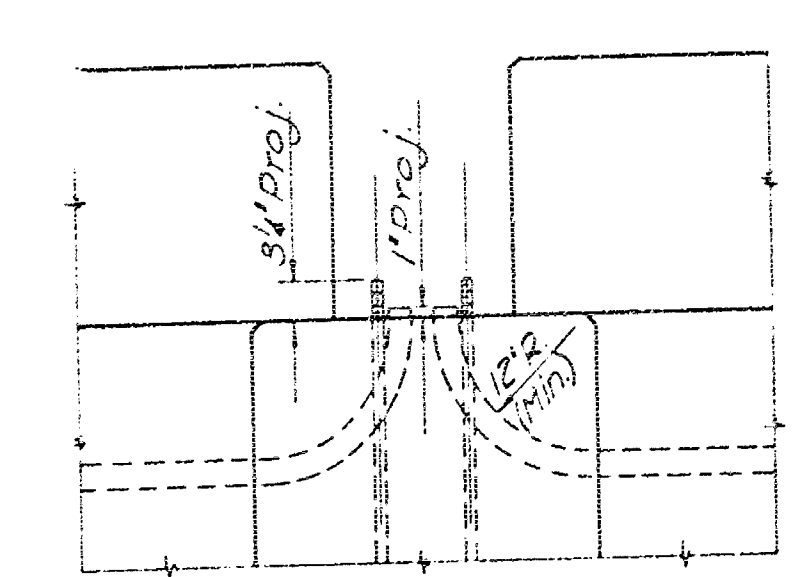
K. S. & E. conduits are not included in this contract;
see the specifications.



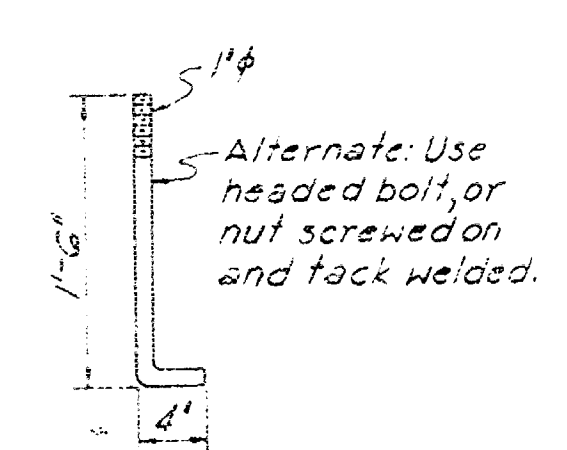
VIEW A-A



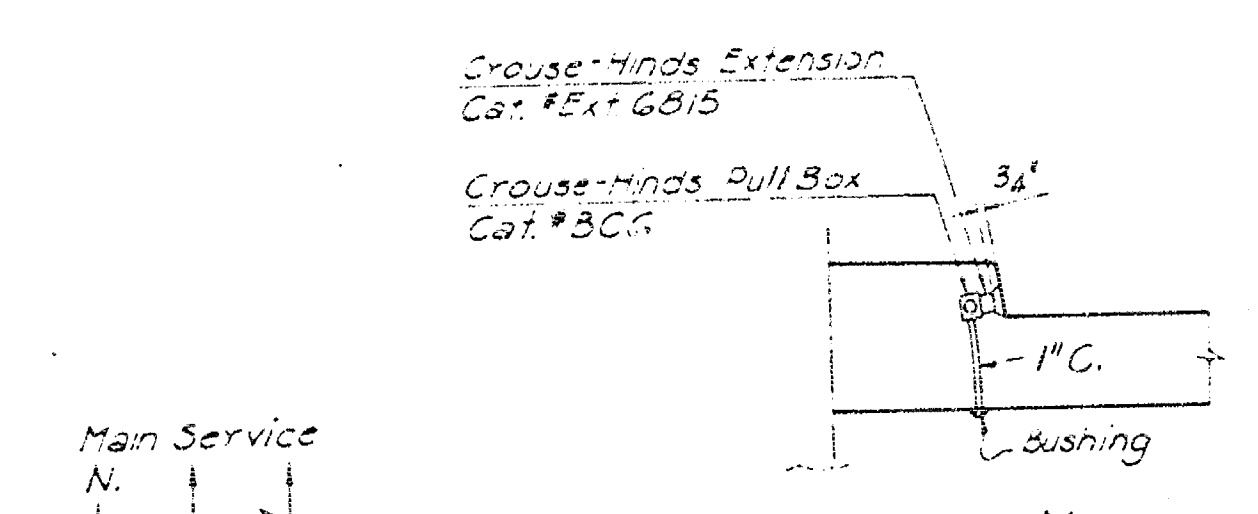
PLAN



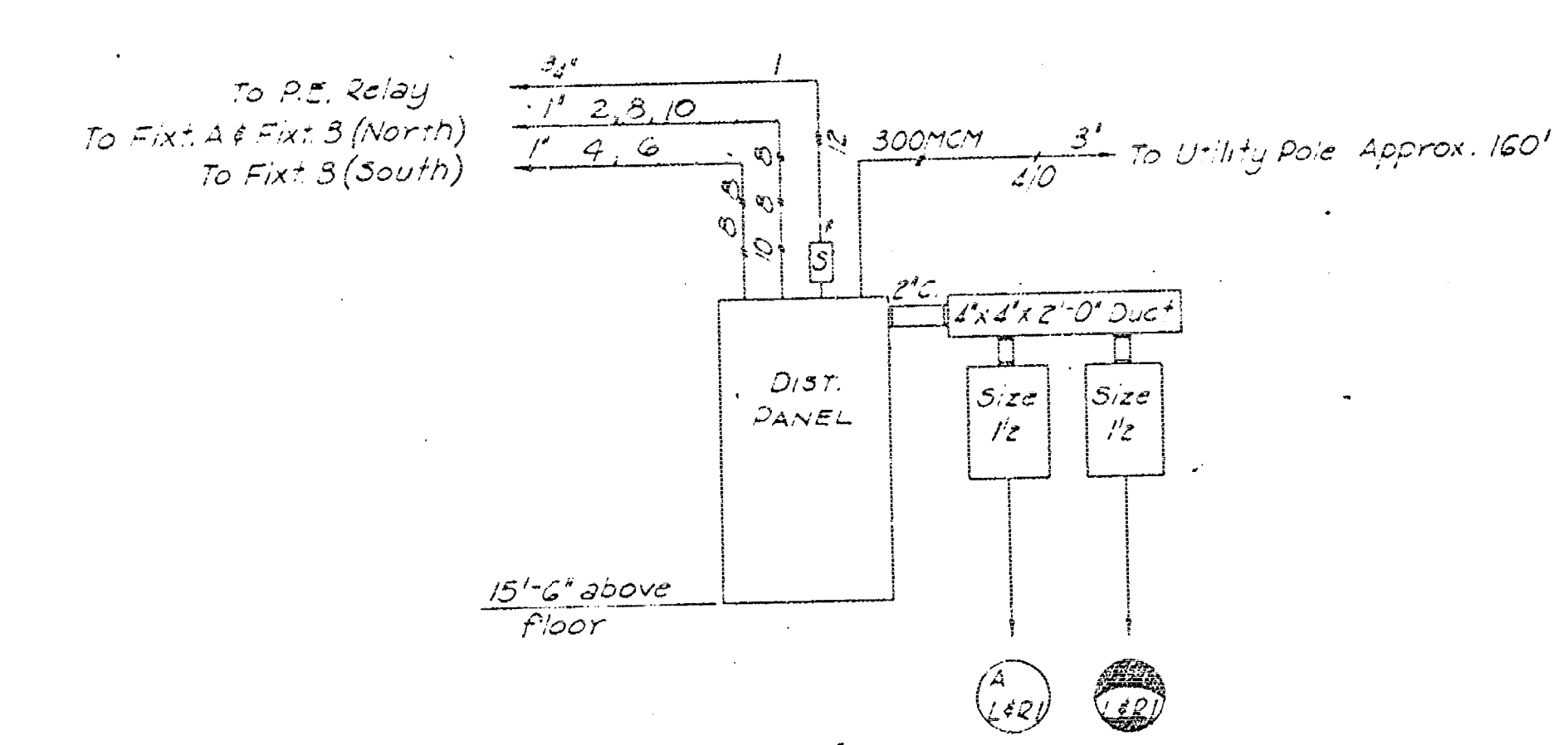
ELEVATION
DETAIL AT LIGHT STANDARD



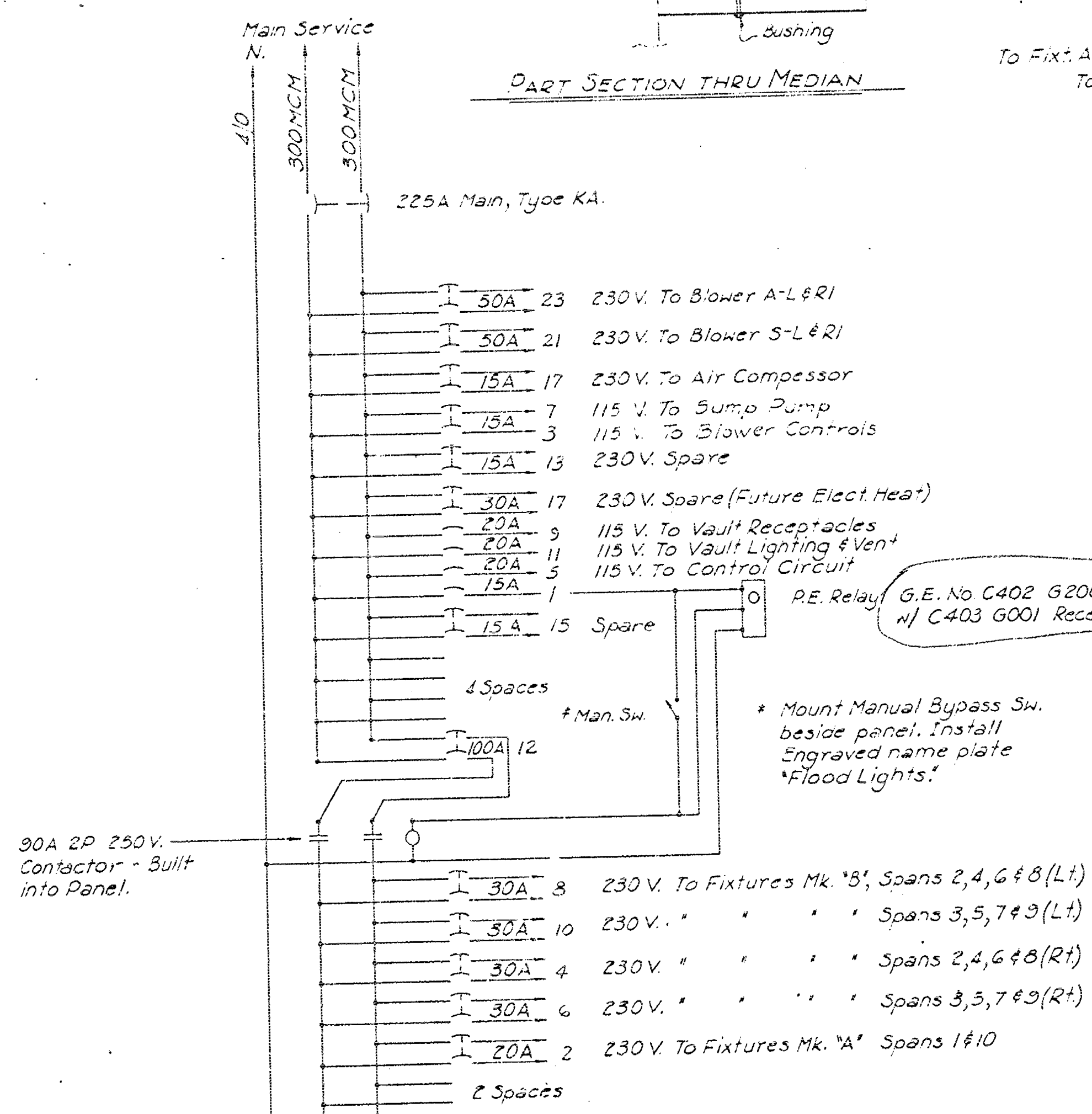
ANCHOR BOLT



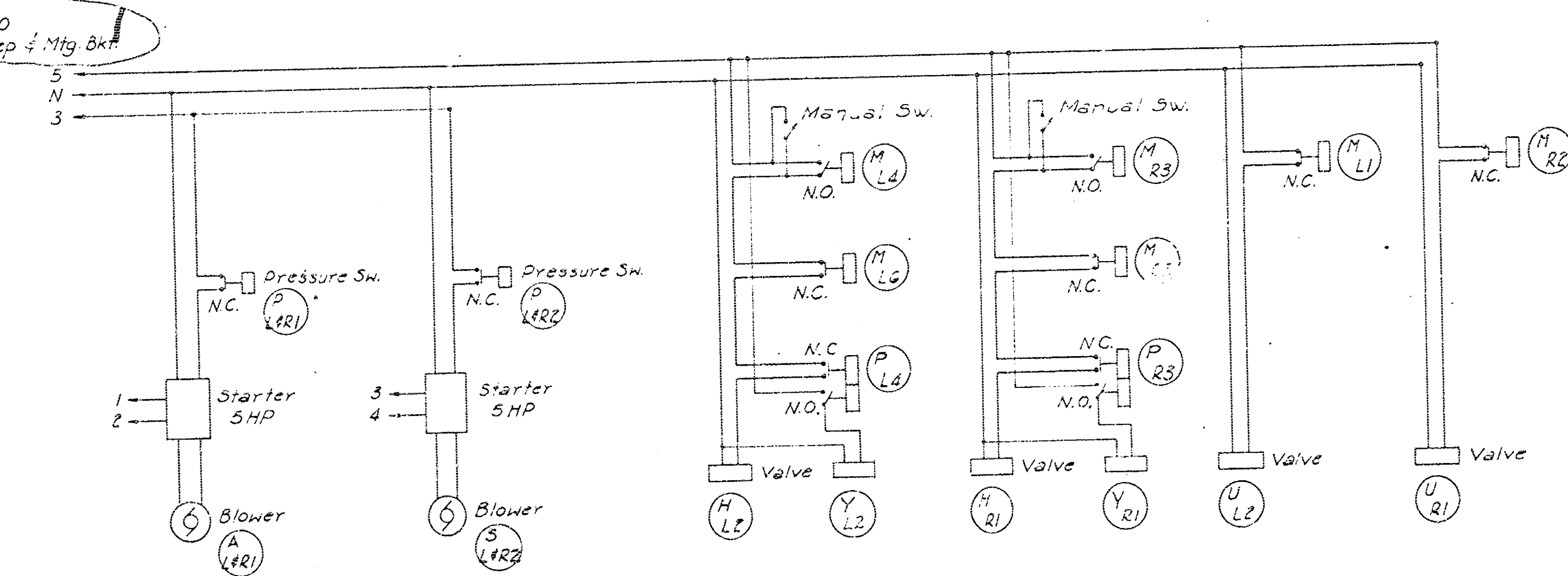
PART SECTION THRU MEDIAN



ELECTRICAL SERVICE RISER



DISTRIBUTION PANEL
POWER & LIGHTING
120/240 V. 3W, 1 ϕ
Type NQO. NEMA 1 Enclosure



ELECTRICAL SCHEMATIC DIAGRAM
115 Volt Control Circuit

AS BUILT JAN 1971 C.P.S.

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
LINCOLN STREET BRIDGE AND DAM
BIG ARKANSAS RIVER
GENERAL LAYOUT

ELECTRICAL LAYOUT

R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE <i>December, 1968</i>	
	SCALE _____	DWG. NO. 89-E-21

FEB 9 1971