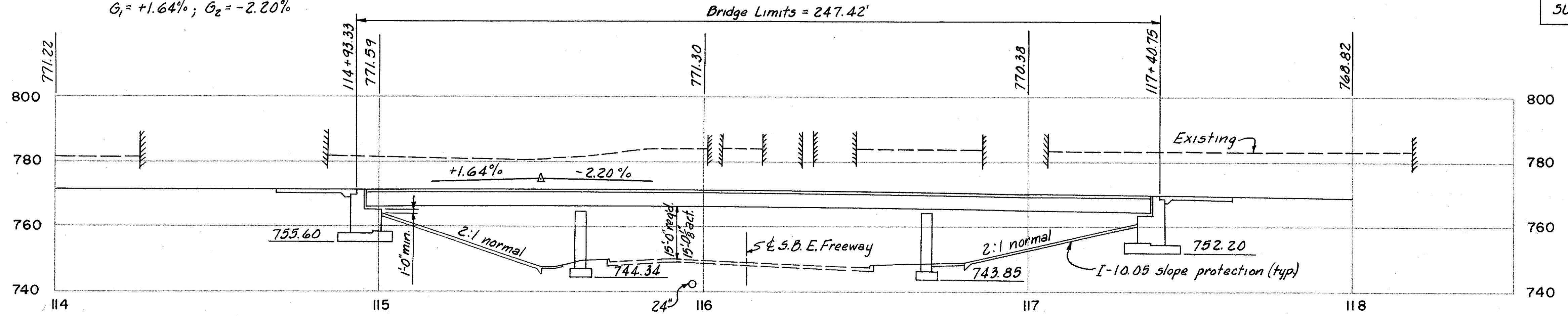


PLAN

N.B. E. Innerbelt Curve Data
 P.I. Sta. 111+42.81
 $\Delta = 79^\circ-32'-24''$
 $D_c = 5^\circ-30'$
 $R_c = 1041.74'$
 $L_s = 400'$

P.V.I. Sta. 115+50
 600' V.C.
 Elev. = 774.40
 Corr. = 2.88'
 P.G. = 771.52
 $G_1 = +1.64\%$; $G_2 = -2.20\%$



PROFILE
Along & North Bound East Innerbelt

PROPOSED STRUCTURE
 TYPE: Continuous steel welded girder with reinforced concrete deck and substructure.
 SPANS: 65'-0", 108'-0", 65'-0" 1/2 brgs. along &
 ROADWAY: 41'-0" f/f parapets; 1'-0" curbs with concrete parapets and aluminum railings.
 LOADING: CF-2000 (adequate for AASHTO alternate loading)
 SKEW: 57°-47'-31" Left forward from reference chord.
 WEARING SURFACE: 2 1/2" Asphaltic concrete.
 ALIGNMENT: Spiral and 5°-30' curve.
 APPROACH SLABS: 25'-0" long; A5-1-54
 SUPERELEVATION: Varies.

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 COLUMBUS, OHIO

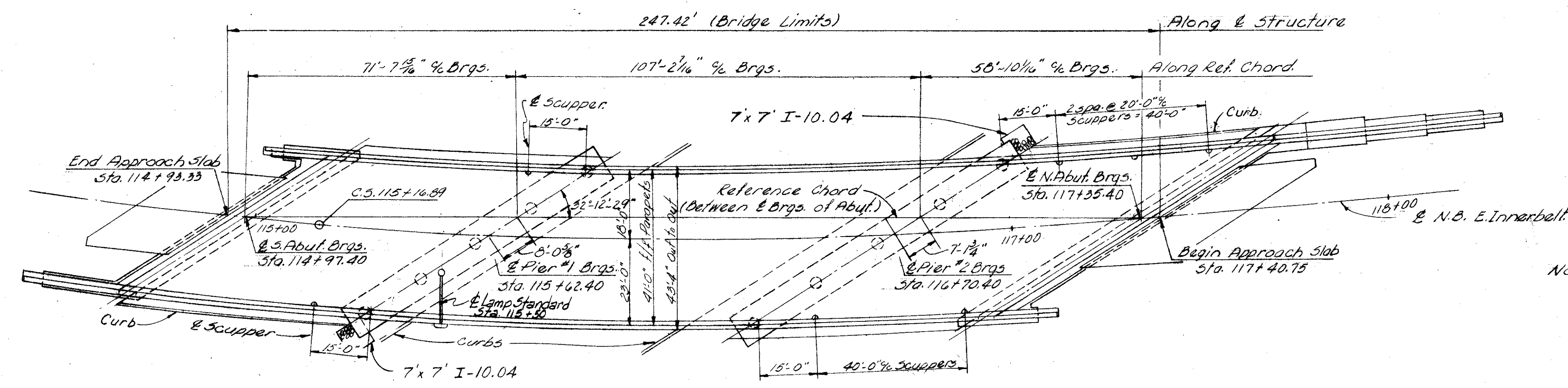
SITE PLAN
 BRIDGE NO. FRA. - 62-1549
 N.B. EAST INNERBELT
 OVER S.B. EAST FREEWAY
 FRANKLIN COUNTY STA. 116+14.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
D.L.S.	D.L.S.	H.T.	J.P.	T.L.U.	10-9-61

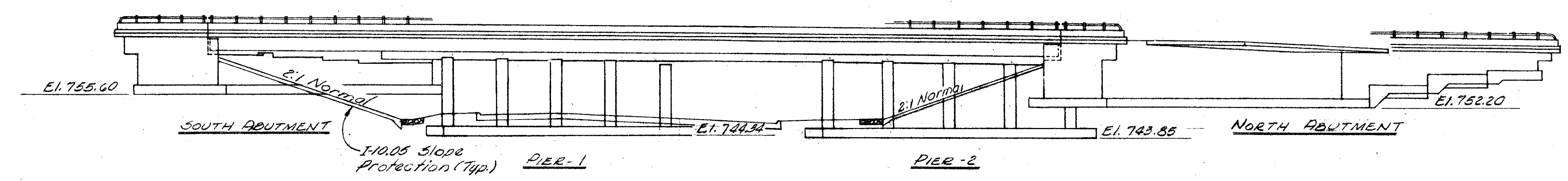
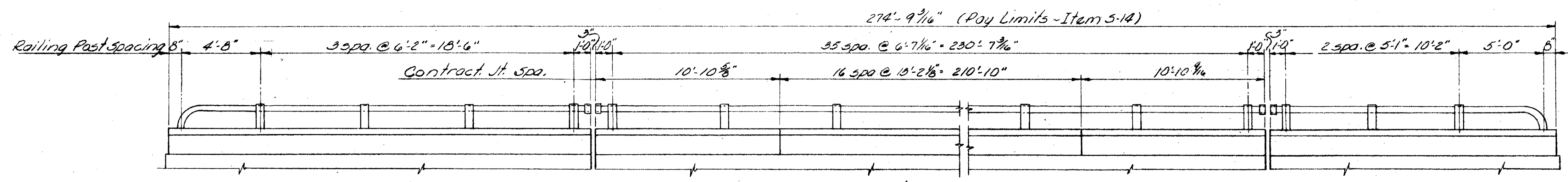
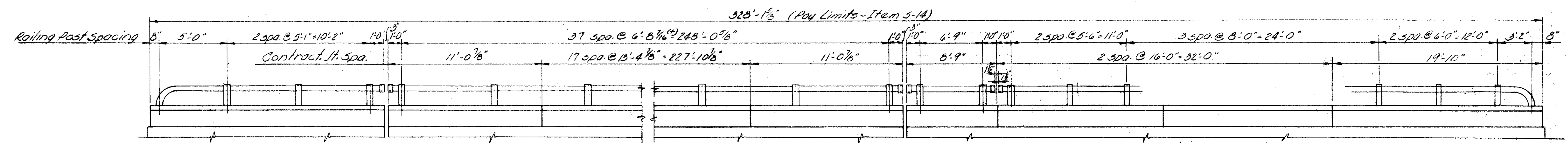
FED. ID. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

224
293

FRANKLIN COUNTY
FRA-62-15.30



Note: A pipe drain shall be provided at the North end of both bulb angle gutters.



ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS COLUMBUS, OHIO						
GENERAL PLAN & ELEVATION BRIDGE No. FRA-62-1549 N.B. EAST INNERBELT OVER S.B. EAST FREEWAY FRANKLIN COUNTY STA-116+14.25						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.R.W.	BDB		R.R.M.	T.L.U.	10-9-61	

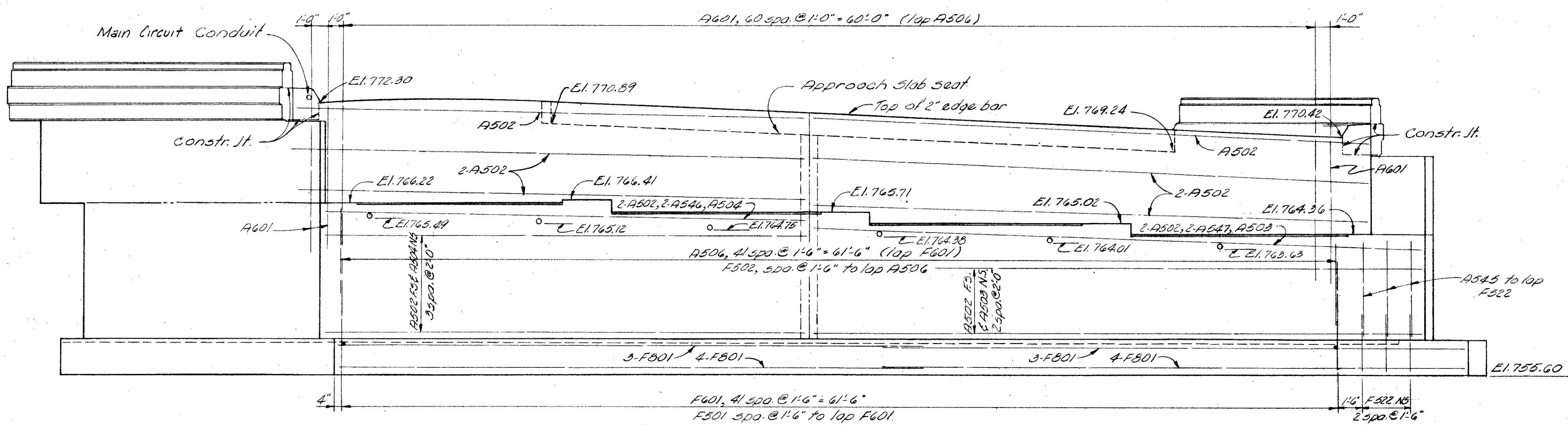
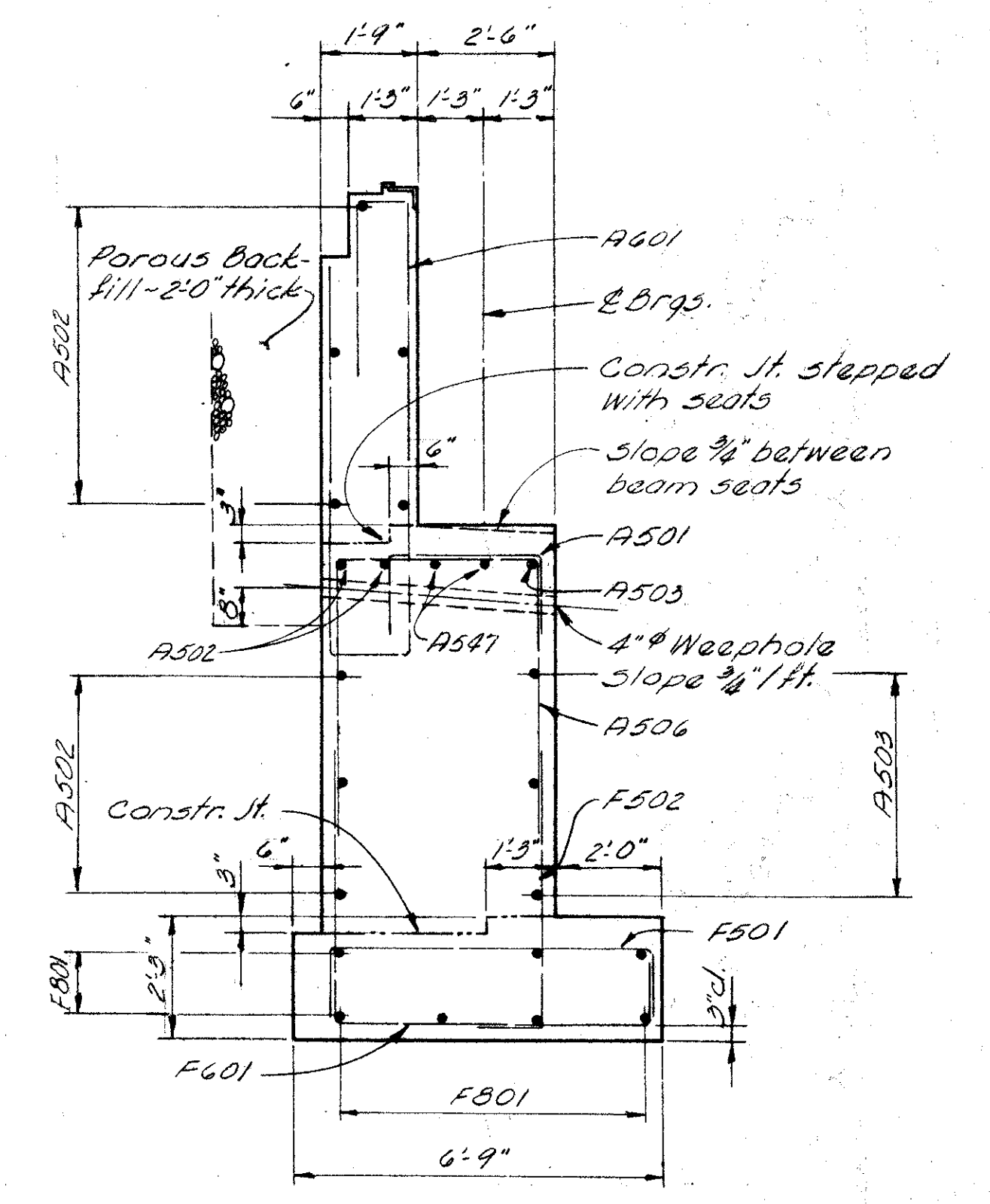
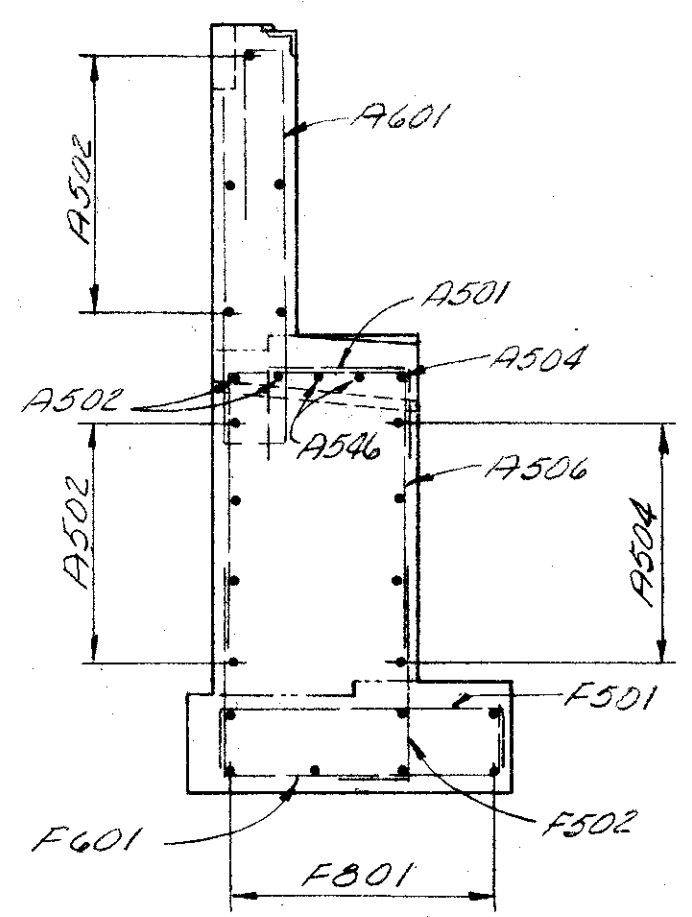
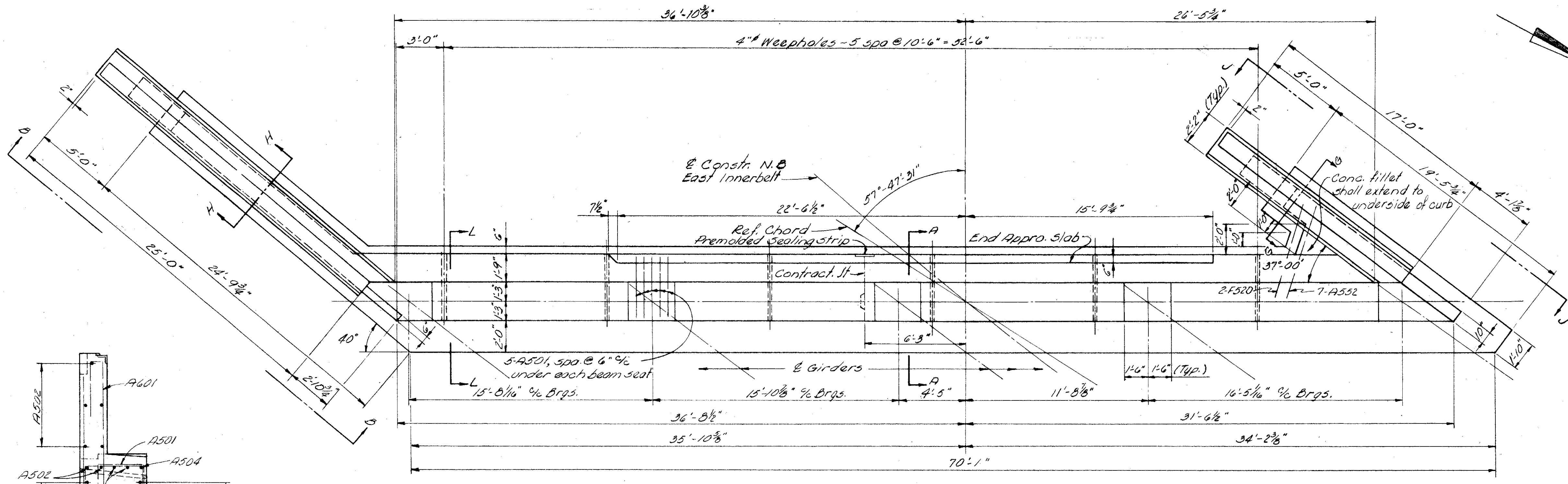
FRANKLIN COUNTY
FRA-62-1549

NOTES

Reinforcing Steel Location:
N.S. indicates Near Side
F.S. indicates Far Side

For additional Sections, Views and Notes see sheet 230

Backwall: The top of the backwall shall conform to the crown of the superstructure deck.



ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO

SOUTH ABUTMENT DETAILS
BRIDGE No - FRA-62-1549
N.B. EAST INNERBELT OVER S.B. EAST FREEWAY
FRANKLIN COUNTY
STA-116+14.25

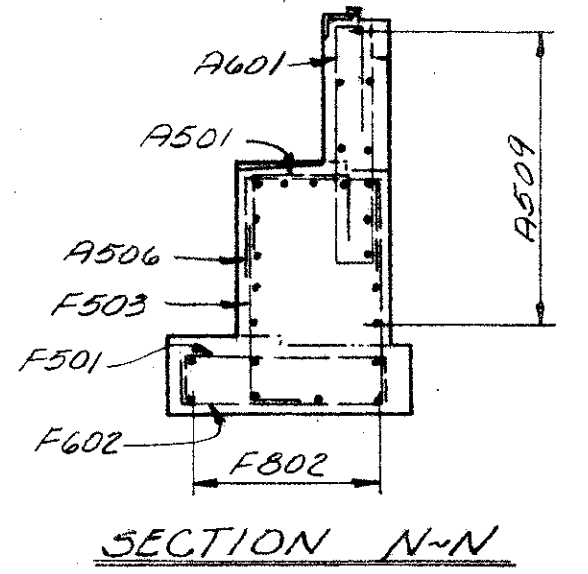
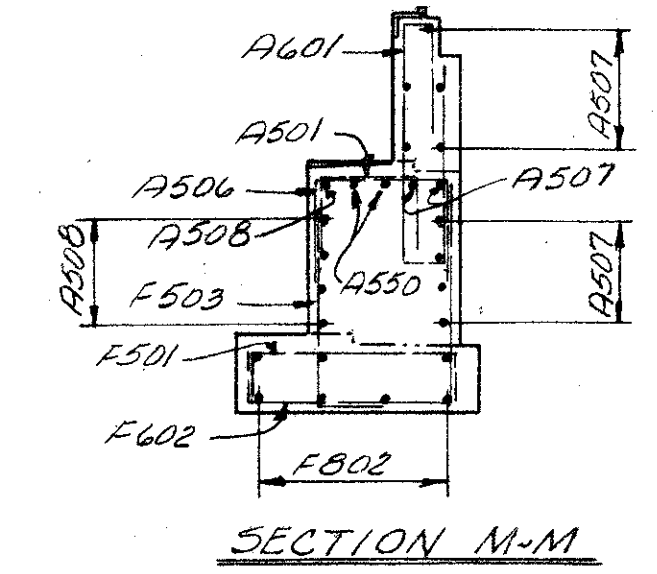
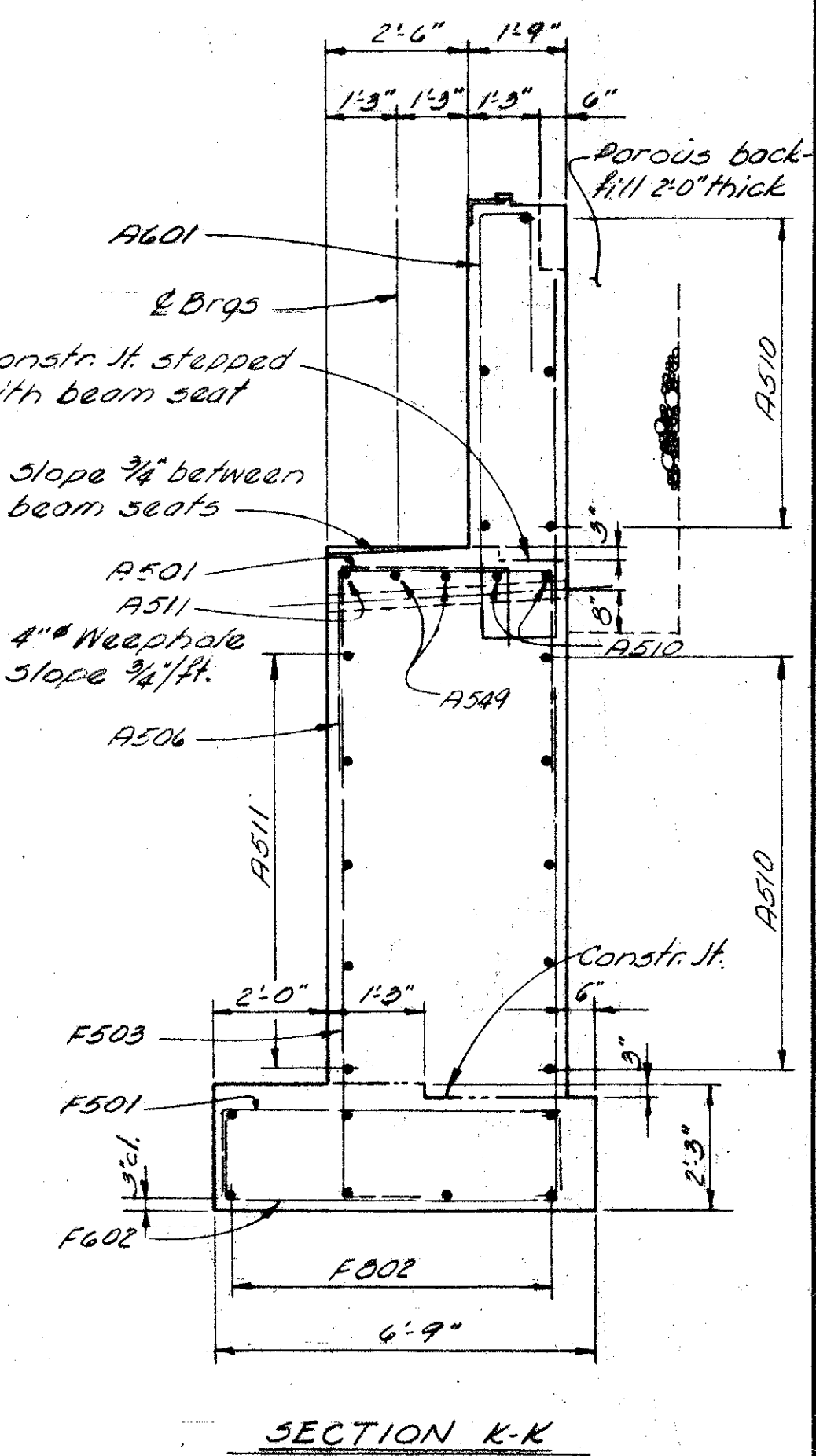
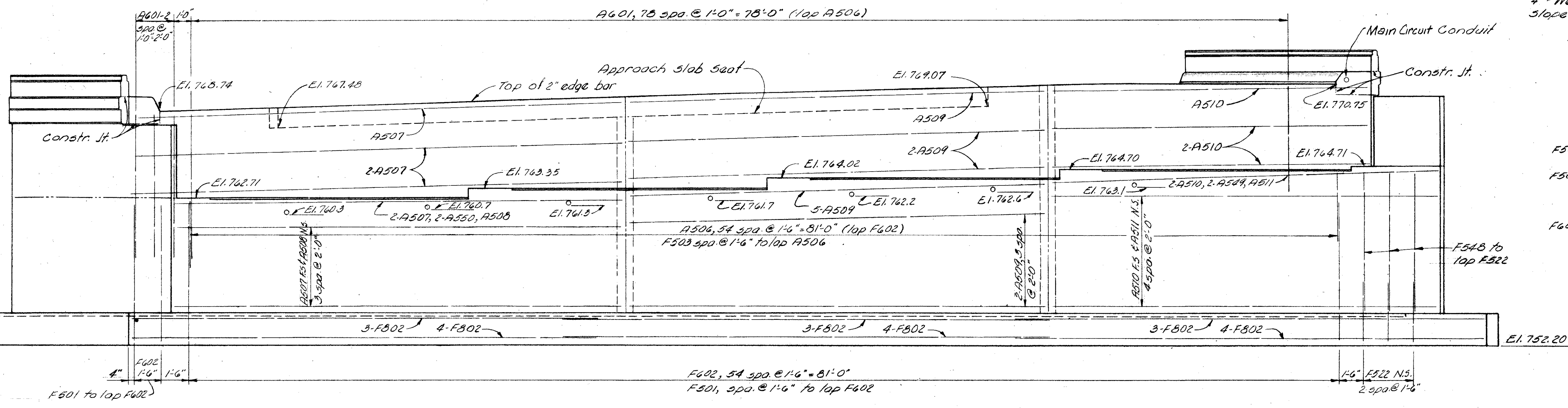
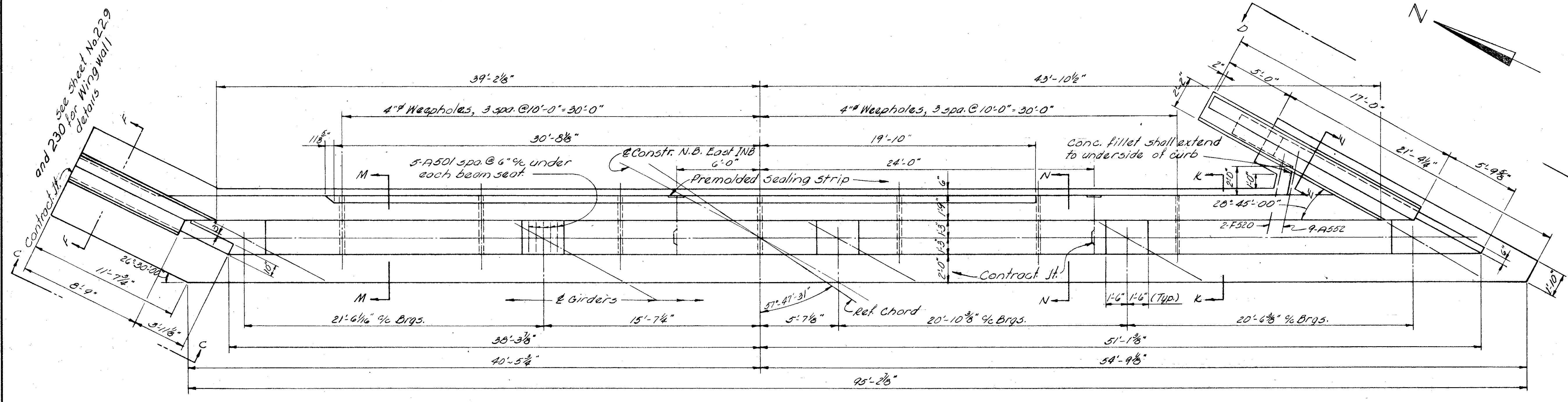
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB			R.R.M.	10-9-61	

NOTES

Reinforcing Steel Location:
N.S. indicates near side
F.S. indicates far side

Backwall: The top of the back-wall shall conform to the crown of the superstructure deck.

For additional Sections, Views and Notes see sheet 230

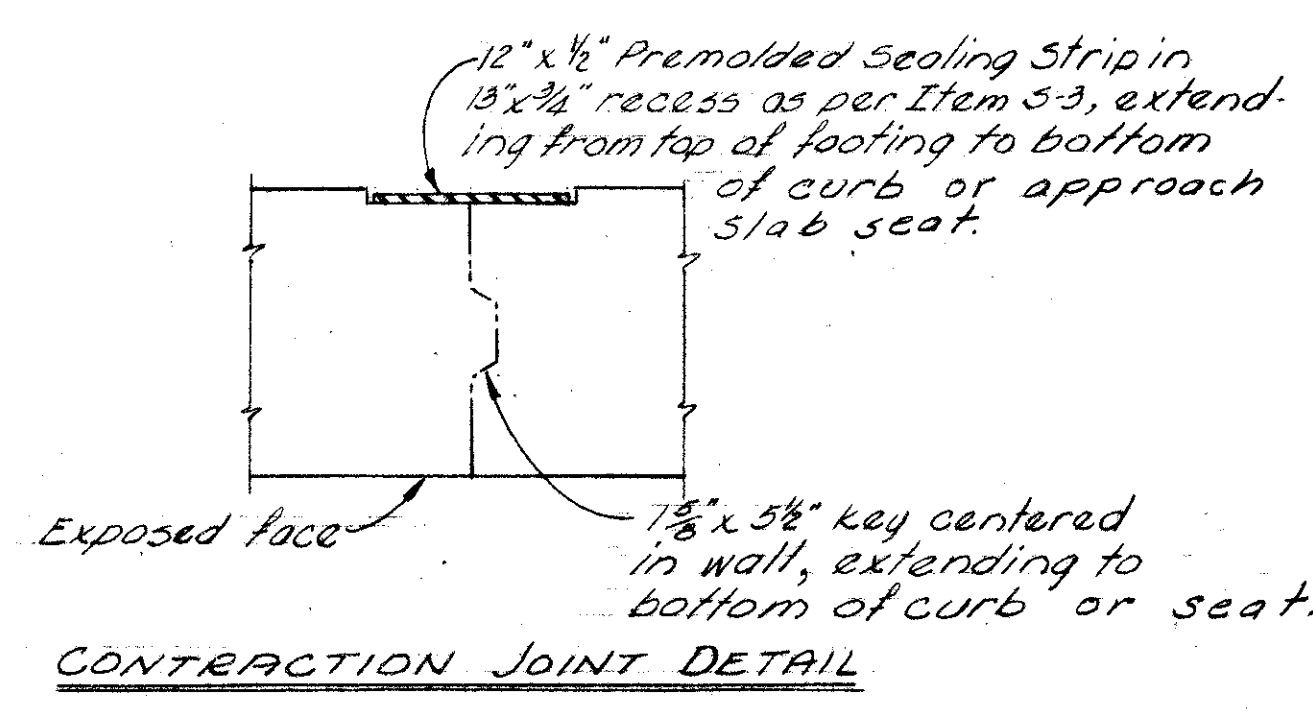
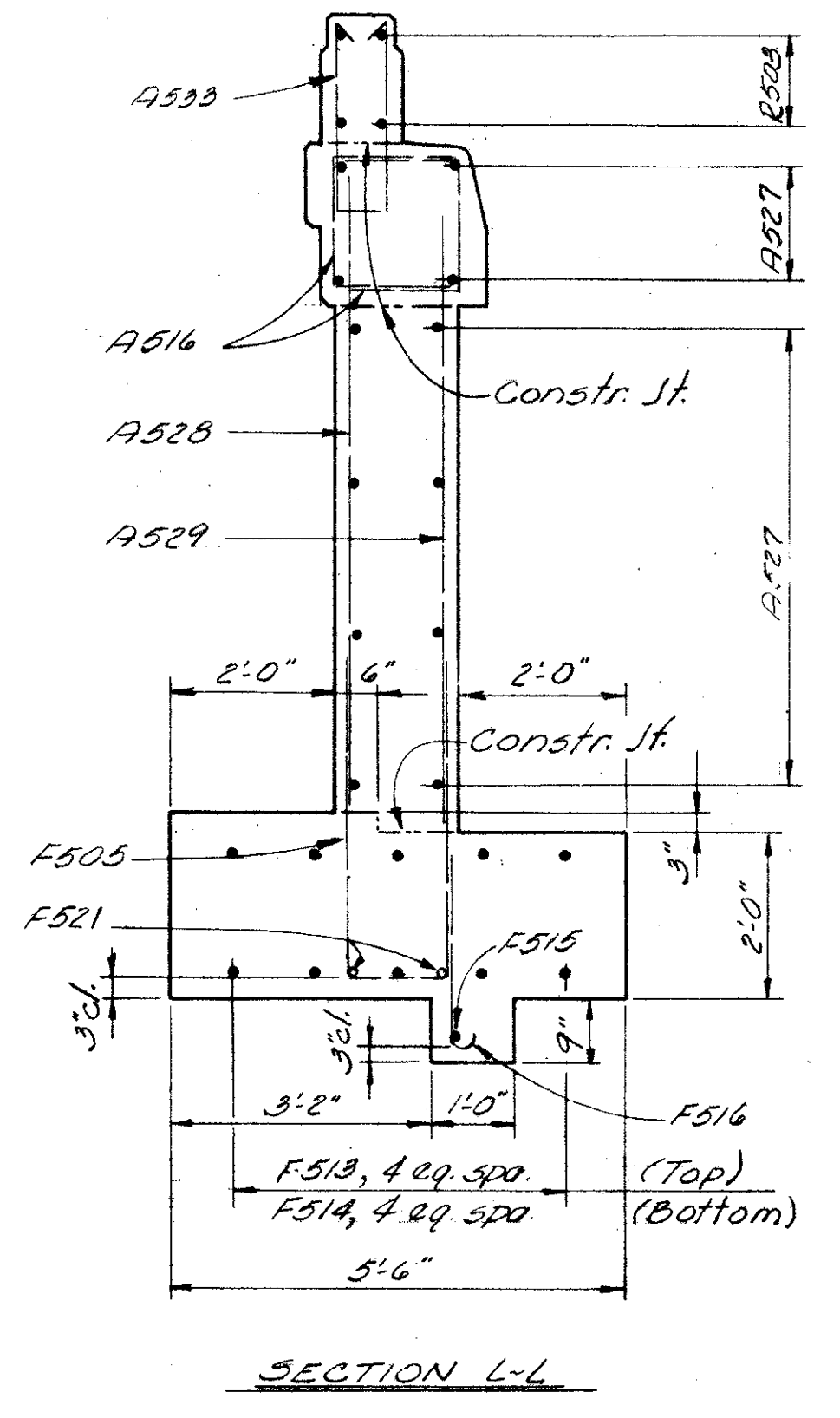
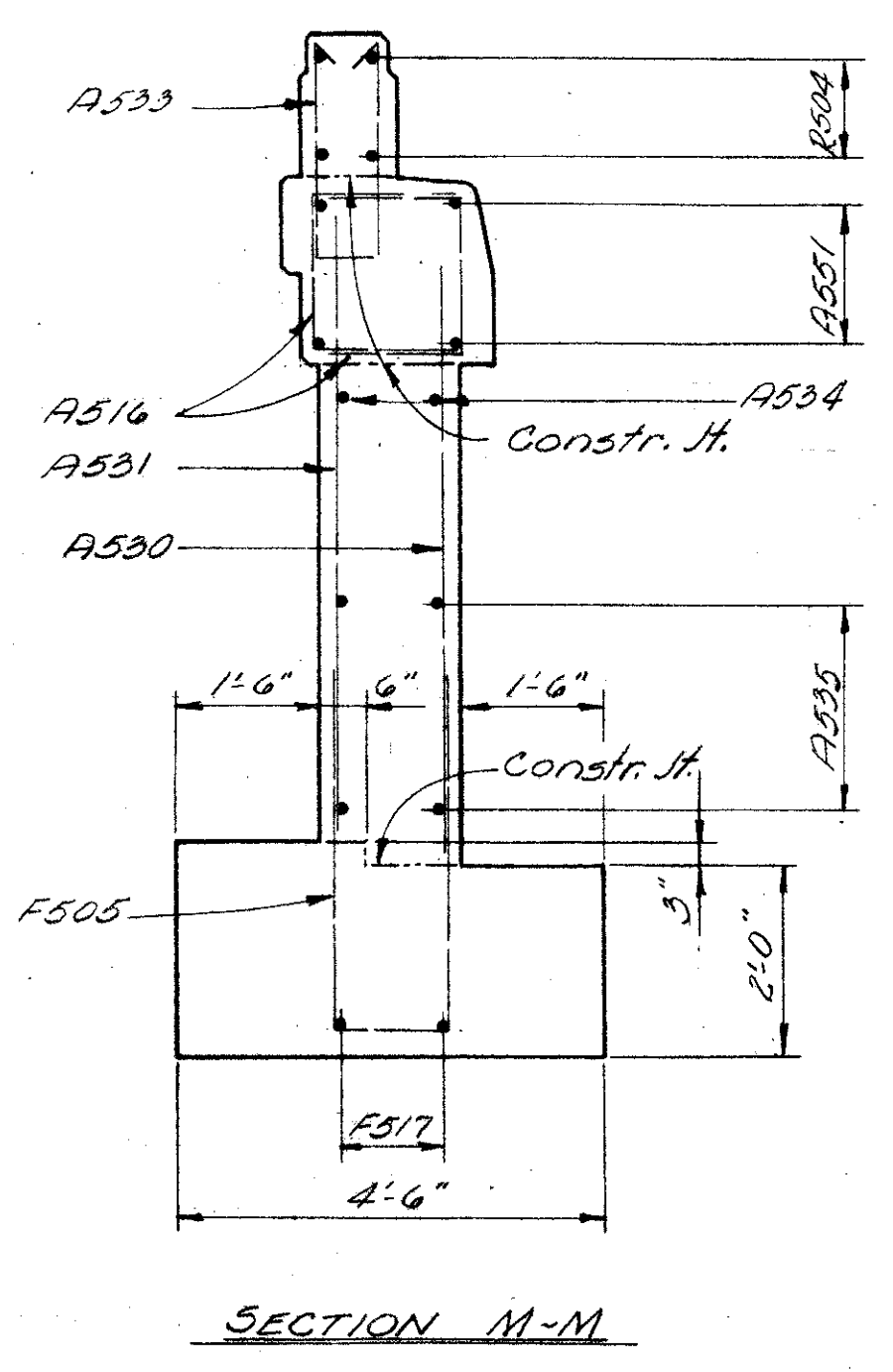


ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO

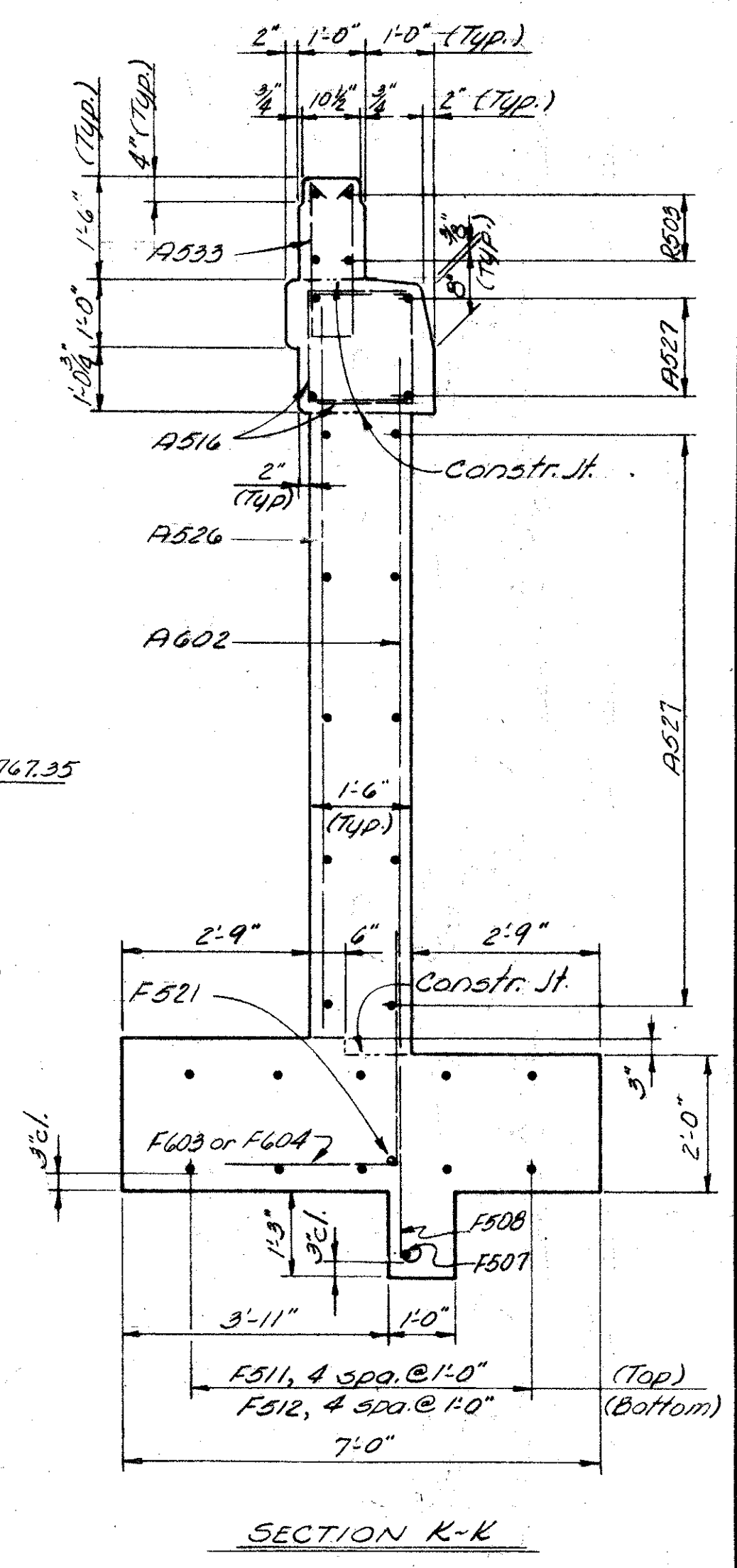
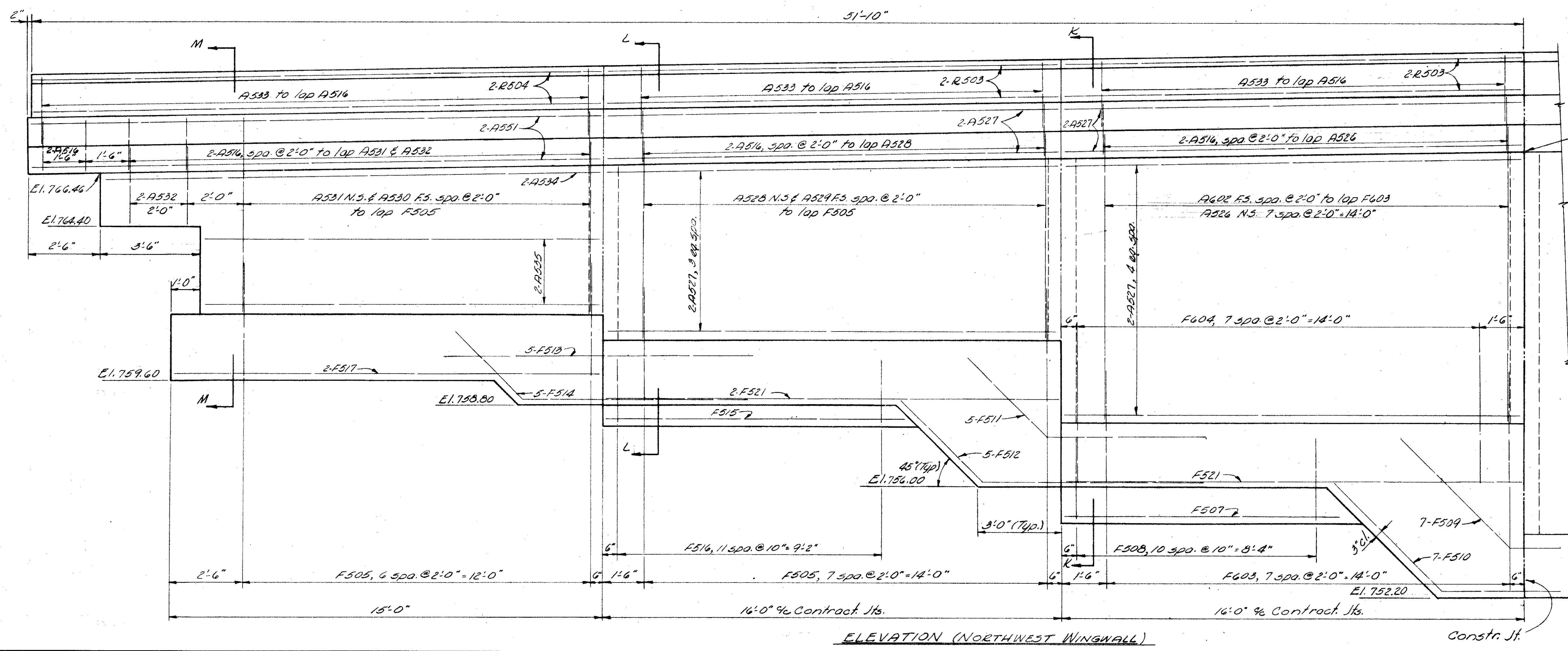
NORTH ABUTMENT
BRIDGE No-FRA-62-1549
N.B. EAST INNERBELT OVER S.D.
EAST FREEWAY
FRANKLIN COUNTY STA-116+14.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M.	TLJ	10-9-61	

FRANKLIN COUNTY
 FRA-62-15.30



NOTES:
 Reinforcing Steel Location
 N.S. indicates near side
 F.S. indicates far side
 Footing Key: The key on the bottom of the footing shall be placed in a carefully made trench against undisturbed earth.
 For additional notes see sheet 230



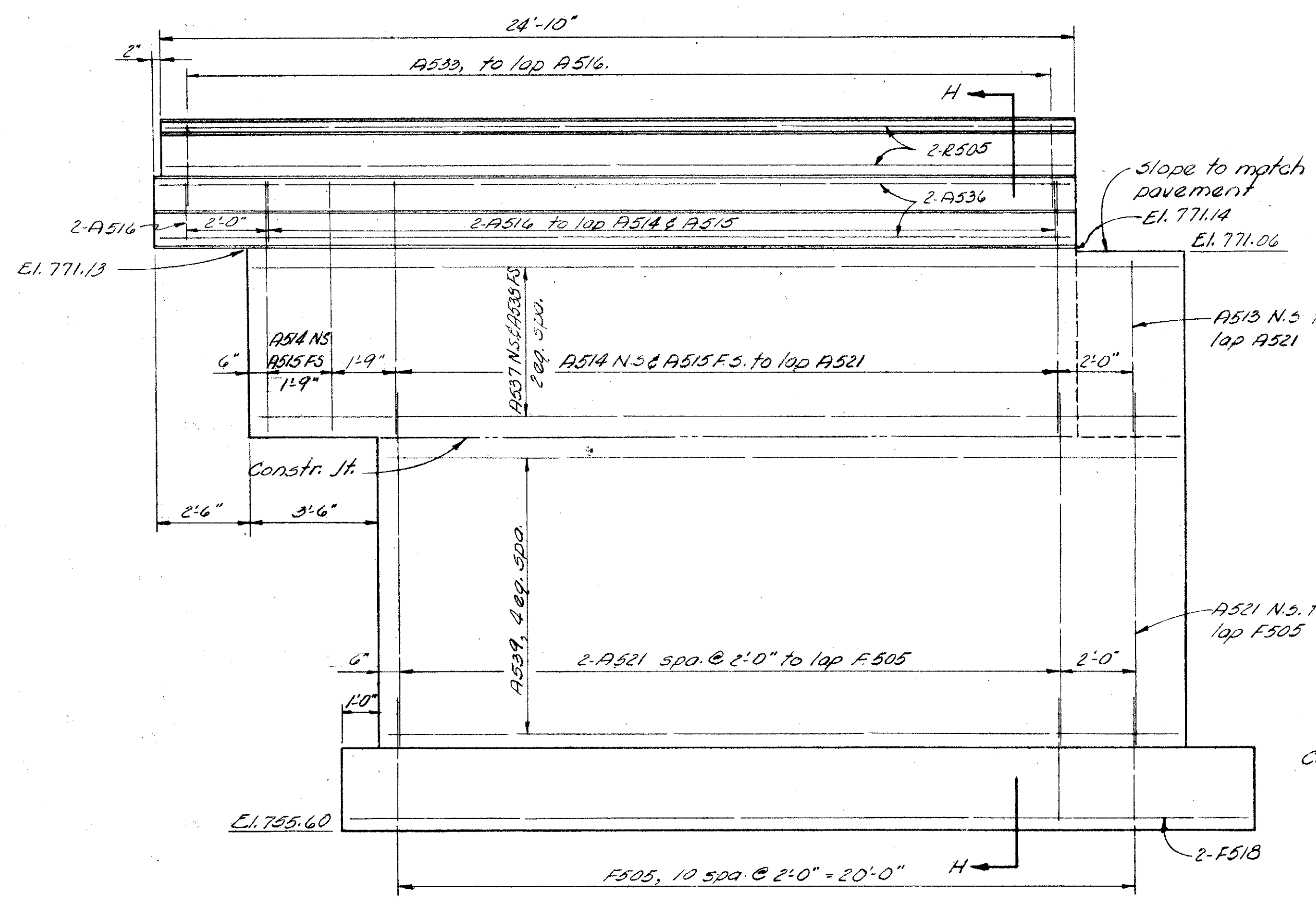
ALDEN E. STILSON & ASSOCIATES, LIMITED
 CONSULTING ENGINEERS
 COLUMBUS, OHIO

WINGWALL DETAILS
 BRIDGE No. FRA-62-1549
 N.B. EAST INNERBELT OVER S.B. EAST FREEWAY
 FRANKLIN COUNTY Sta. 116 + 14.25

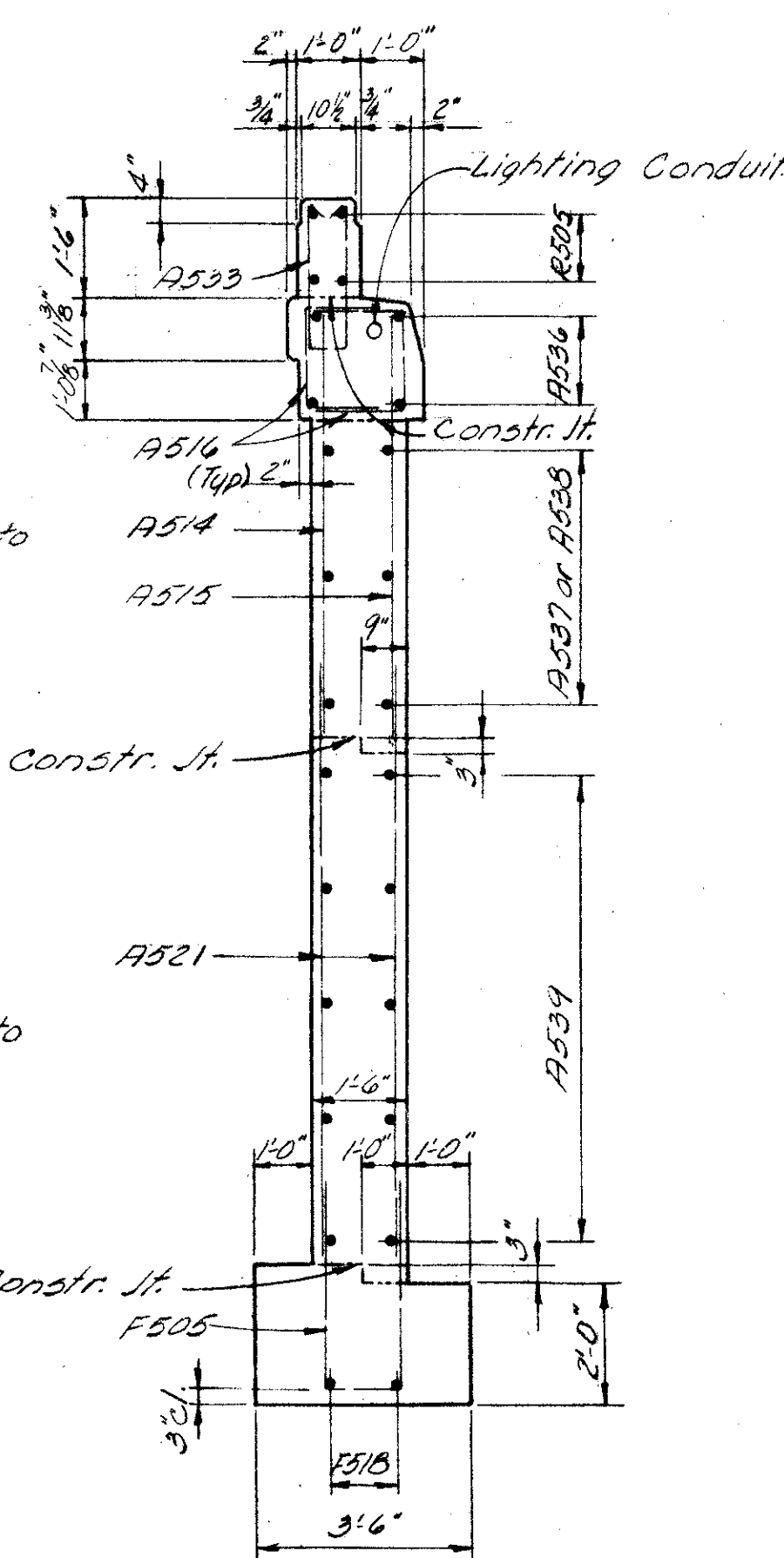
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M	TLU	10-9-61	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

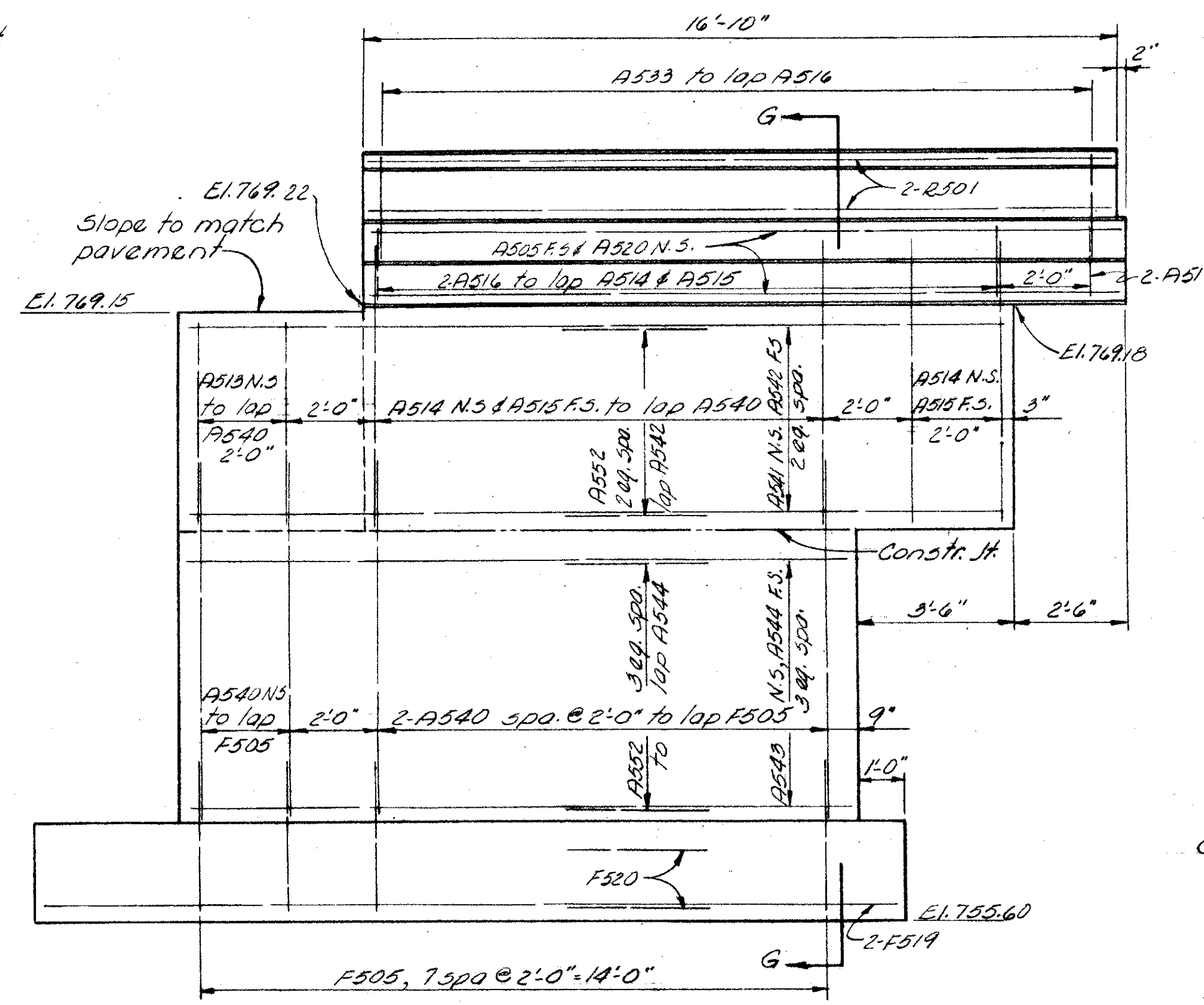
230
233



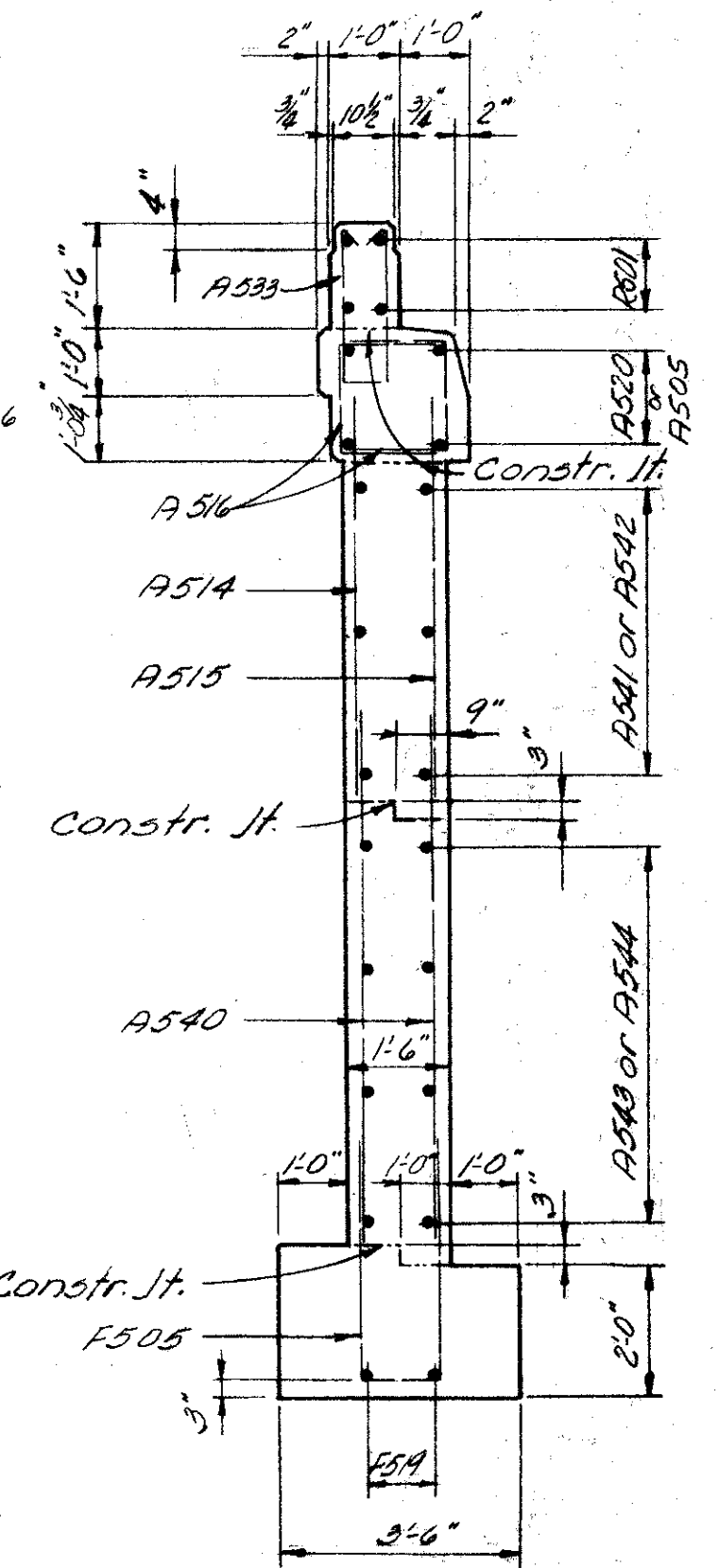
VIEW B-B



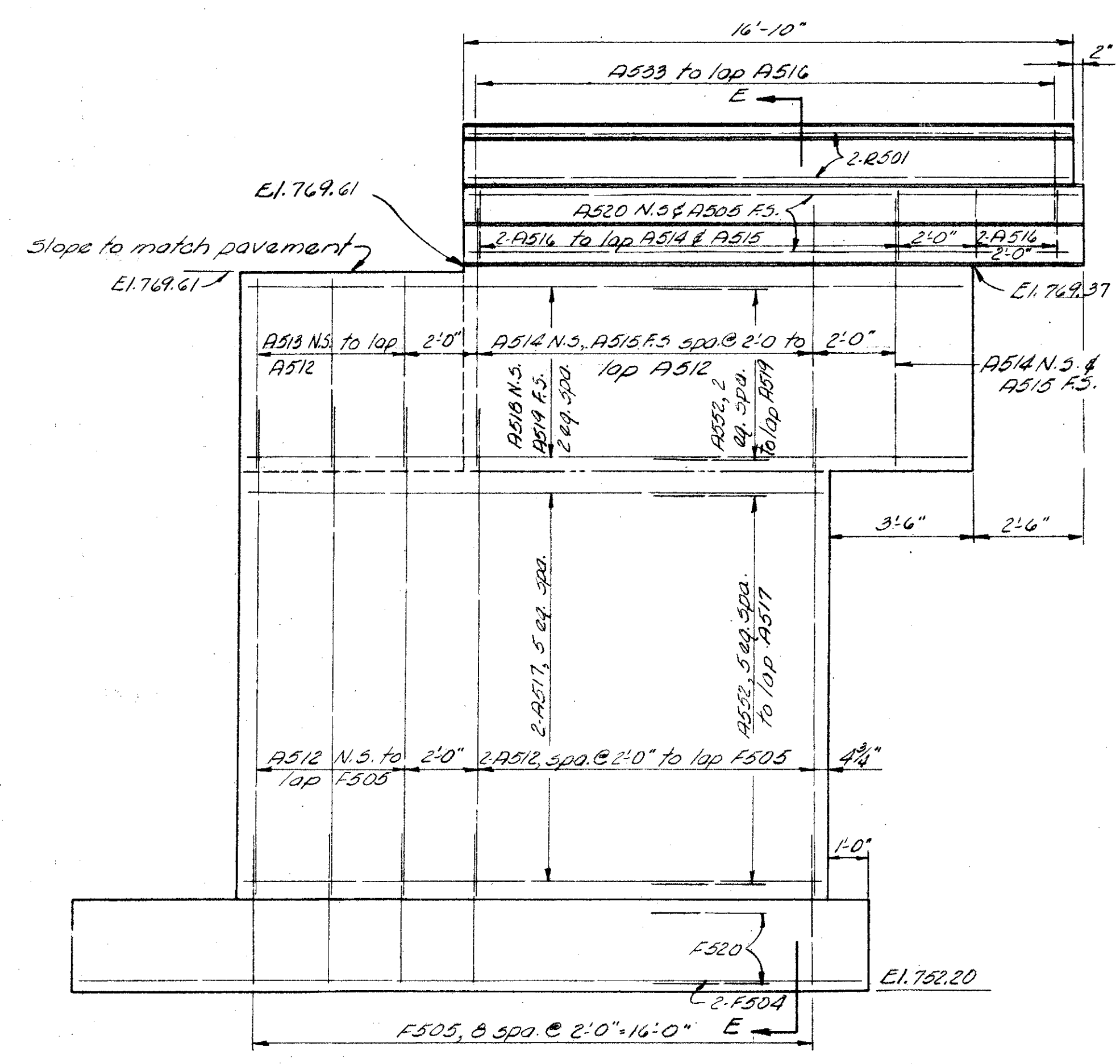
SECTION H-H



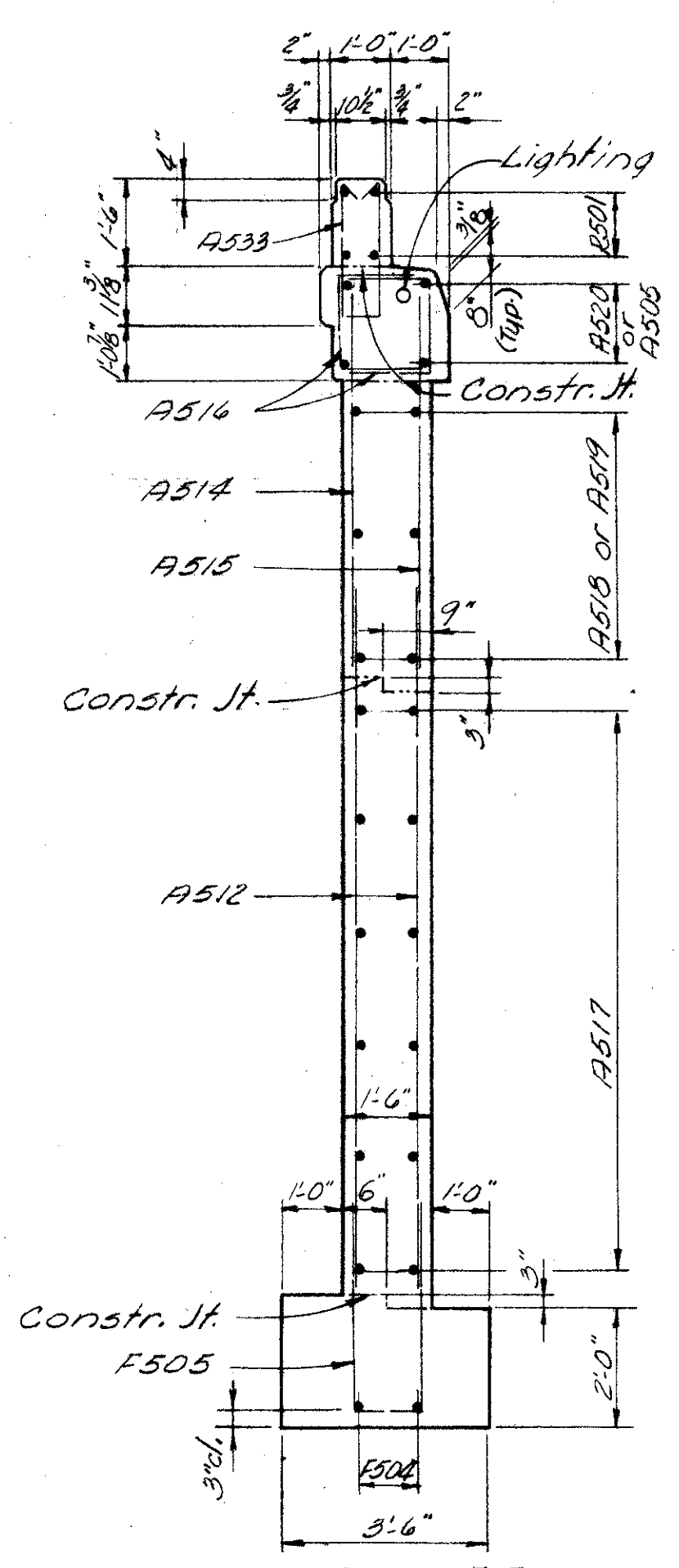
VIEW J-J



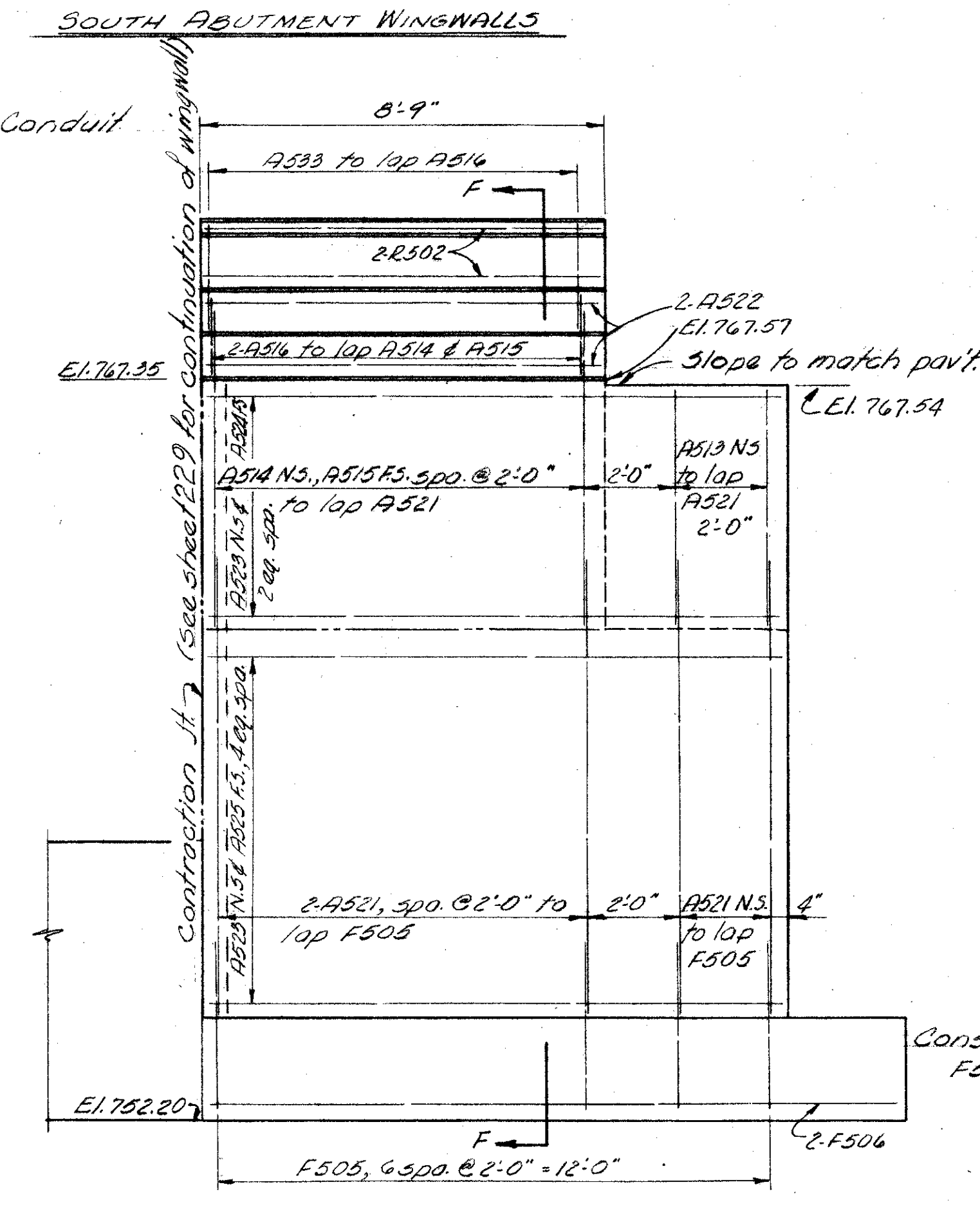
SECTION G-G



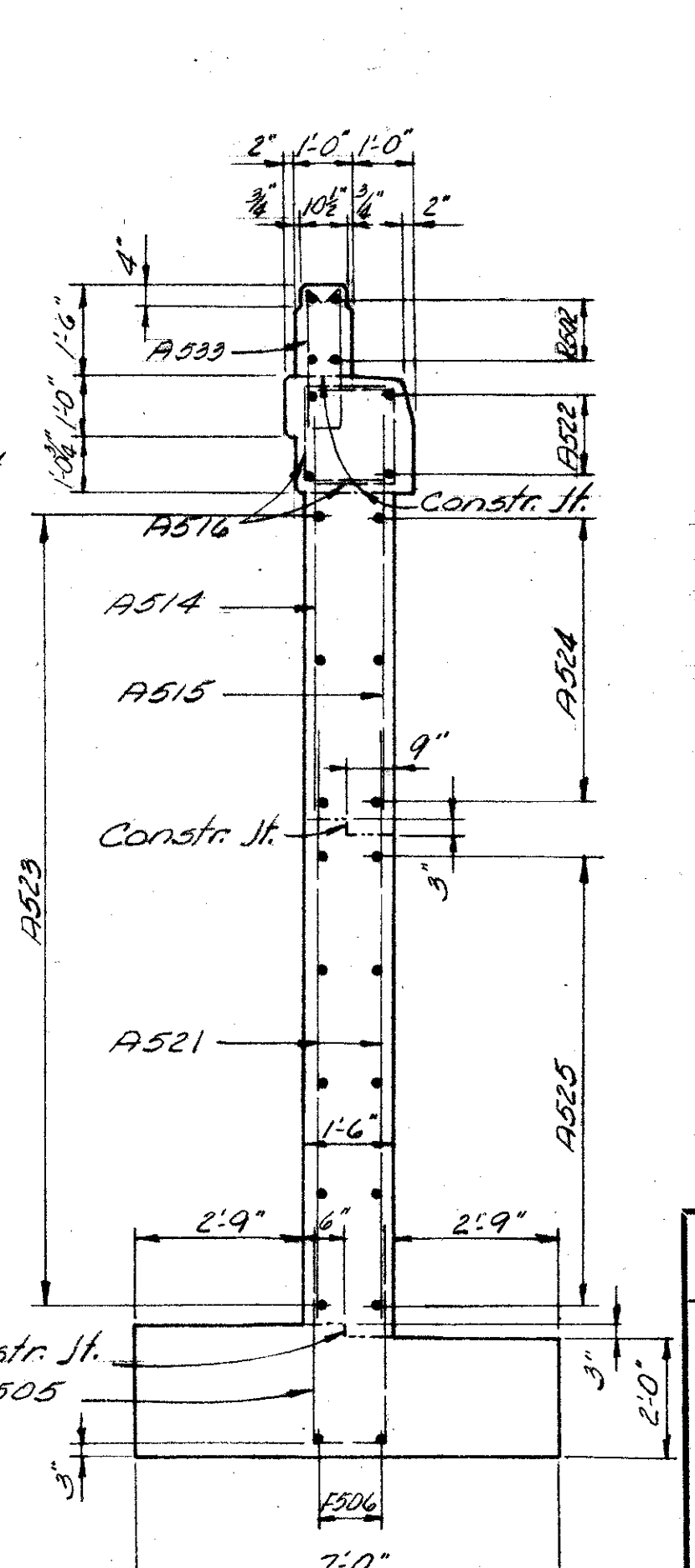
VIEW D-D



SECTION E-E



VIEW C-C



SECTION F-F

SOUTH ABUTMENT WINGWALLS

NORTH ABUTMENT WINGWALLS

NOTES:

Reinforcing Steel Location
N.S. indicates near side
F.S. indicates far side.

Porous Backfill: Porous backfill as shown shall be placed between the inside face of the wingwalls and shall extend vertically to the bottom of the T-22. Excavation therefore in excess of that amount required for construction of the abutments, shall be considered as paid for in the bid price per cubic yard for porous backfill.

Parapets: Concrete parapets are included with Item 5-14 for payment.

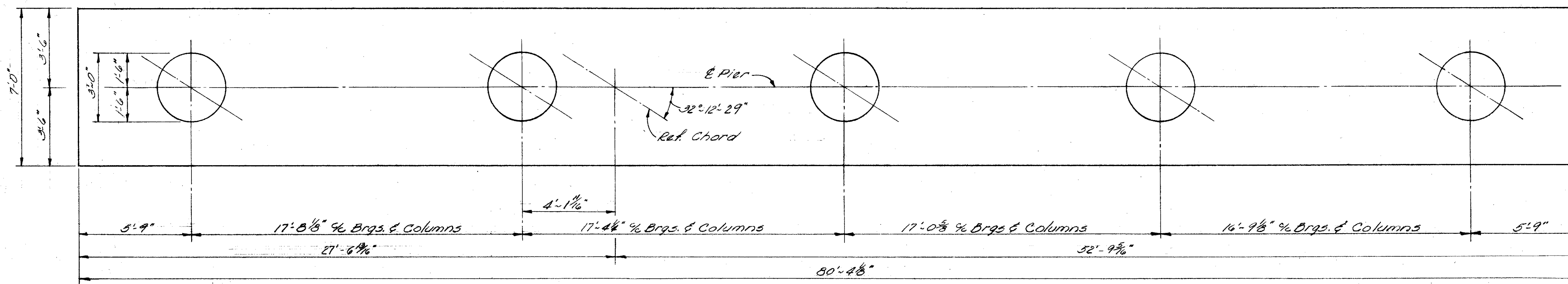
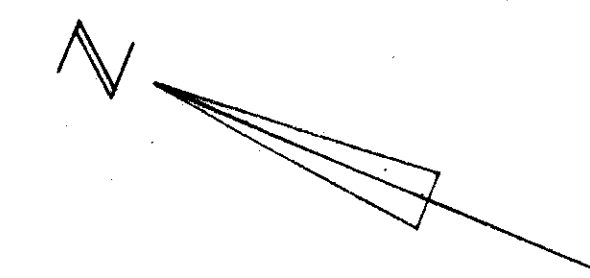
Contraction Joint: Each contract jt. shall be water proofed by installing a pre-molded sealing strip in a 1 1/2" x 3/4" recess extending from the top of footing to the approach slab seat. A joint shall be provided in the abutment portion of the end dam at each joint.

ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS COLUMBUS, OHIO						
WINGWALL - DETAILS BRIDGE No. FRA-62-1549 N.B. EAST INNERBELT OVER 5.B EAST FREEWAY FRANKLIN COUNTY STA-116+14.25						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M	TLU	10-3-61	

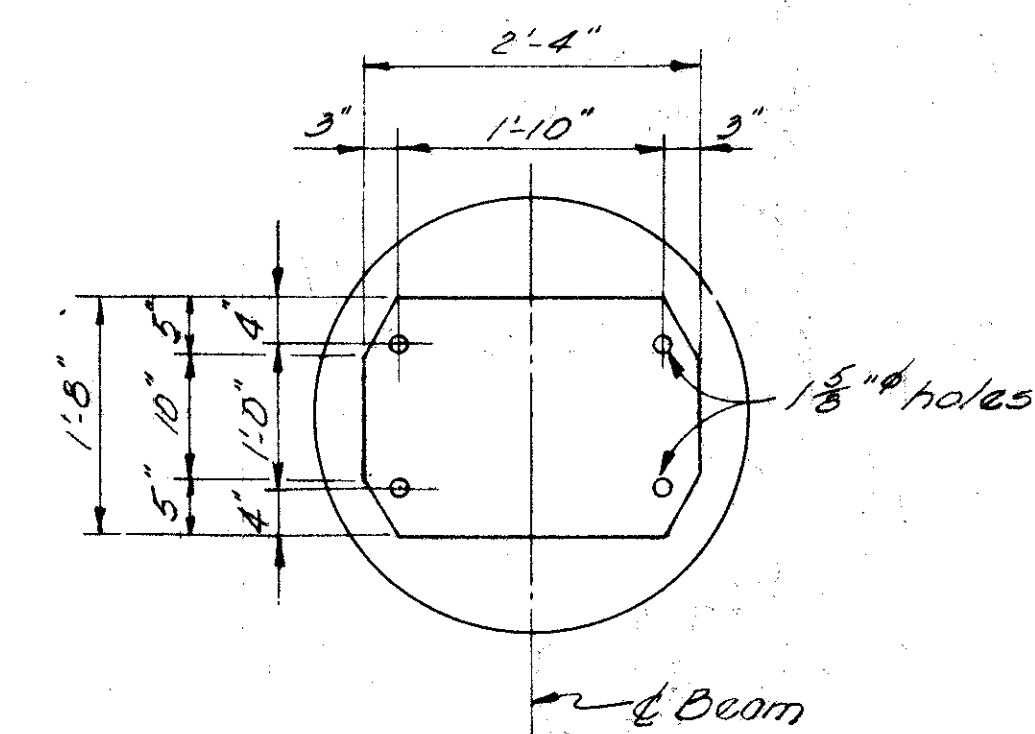
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

231
293

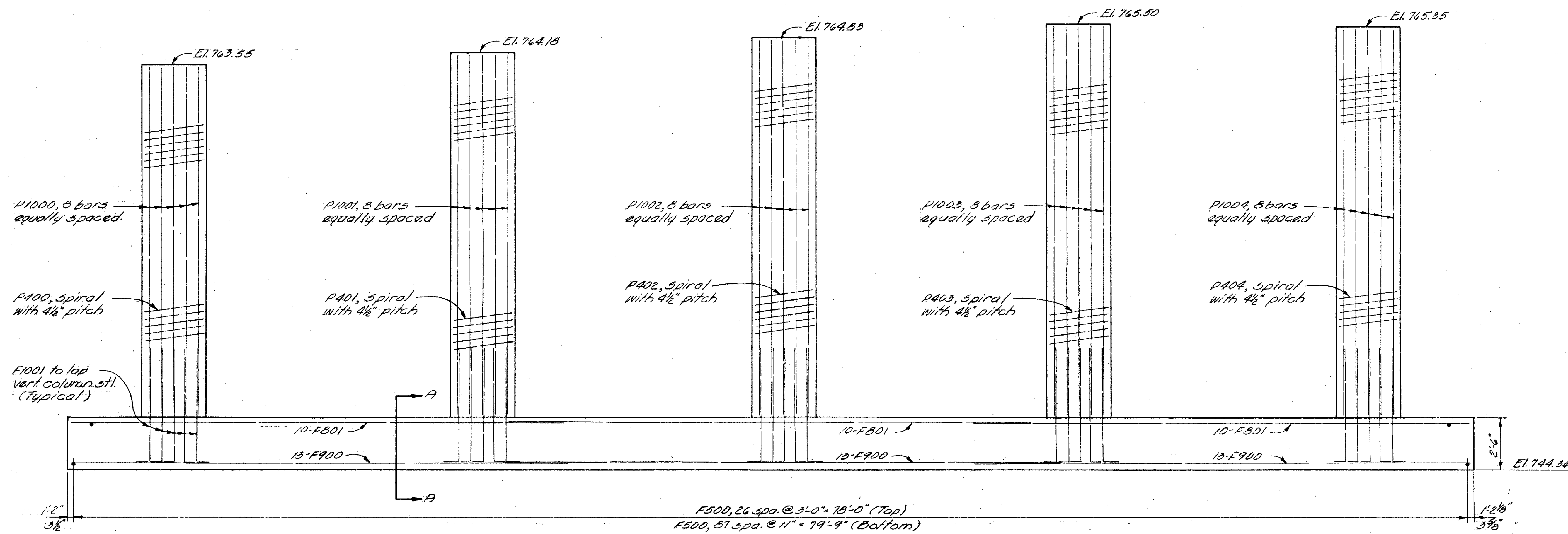
FRANKLIN COUNTY
FRA-62-15.30



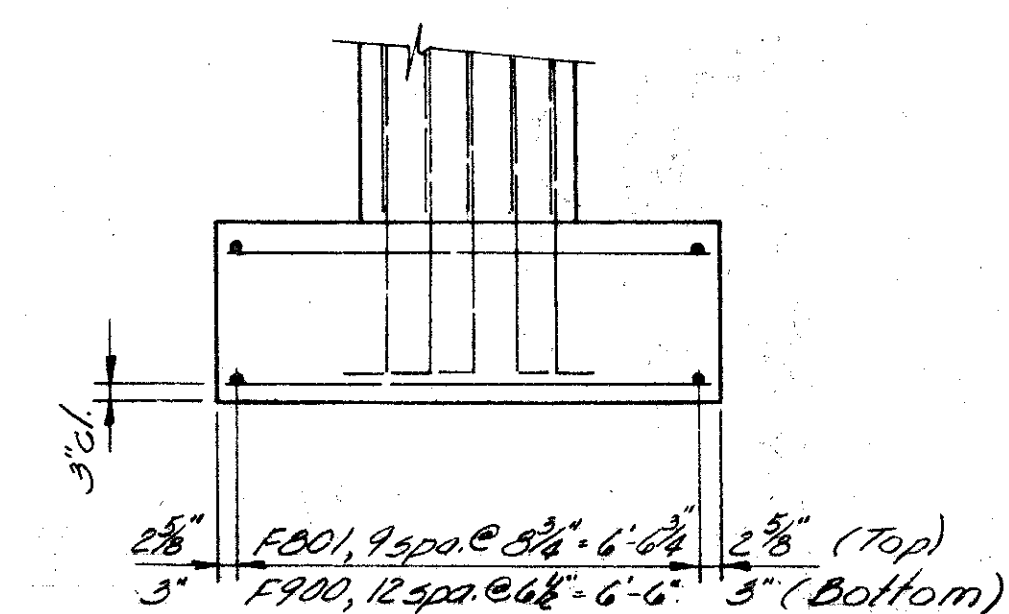
PLAN



BEARING PLATE DETAIL
(Typical)



ELEVATION



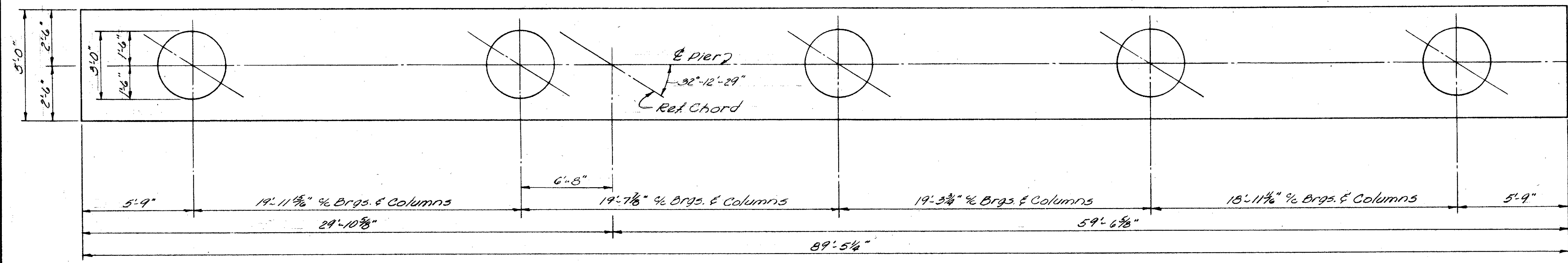
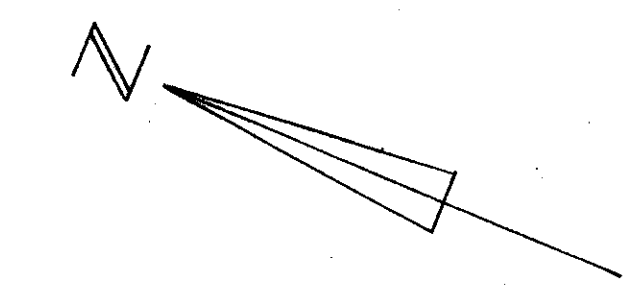
SECTION A-A

ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS COLUMBUS, OHIO						
PIER-1 DETAILS BRIDGE No. FRA-62-1549 N.B. EAST INNERBELT OVER S.B. EAST FREEWAY FRANKLIN COUNTY STA 116+14.25						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.R.W.	BDB		E.R.M.	TJU	5-8-62	

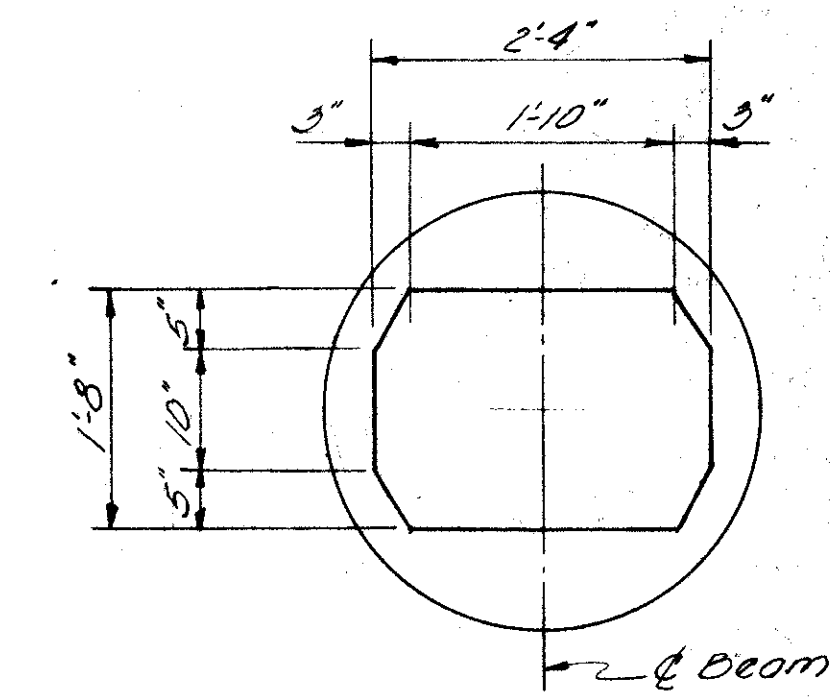
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

232
293

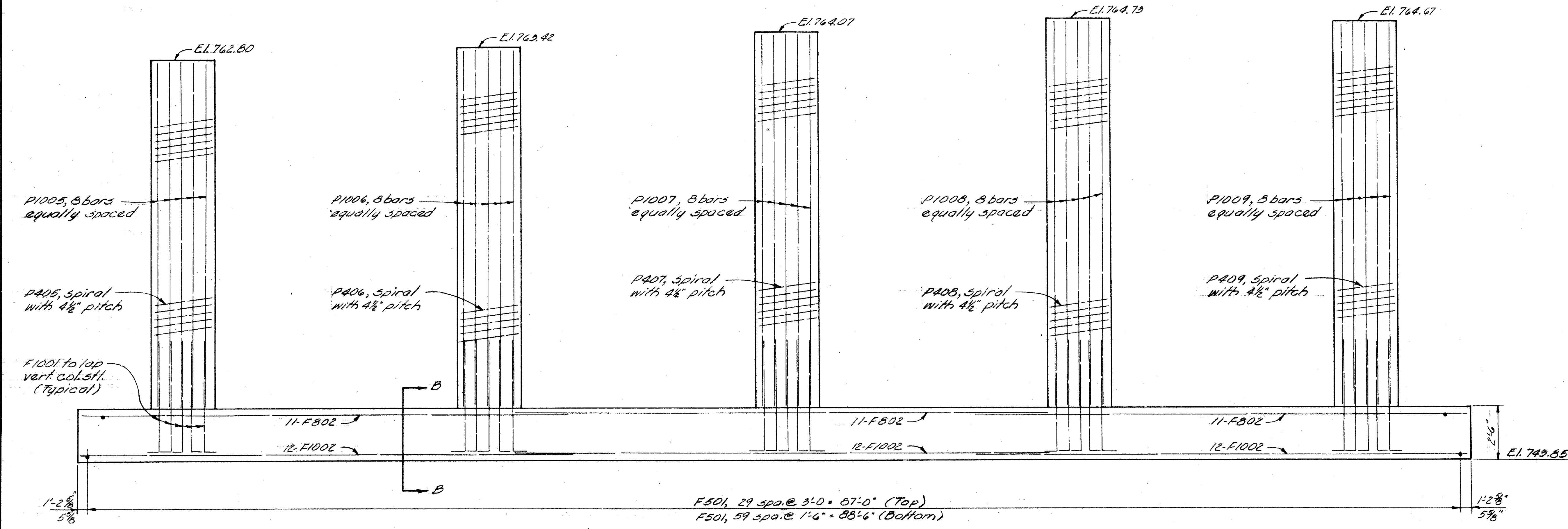
FRANKLIN COUNTY
FRA-62-15.30



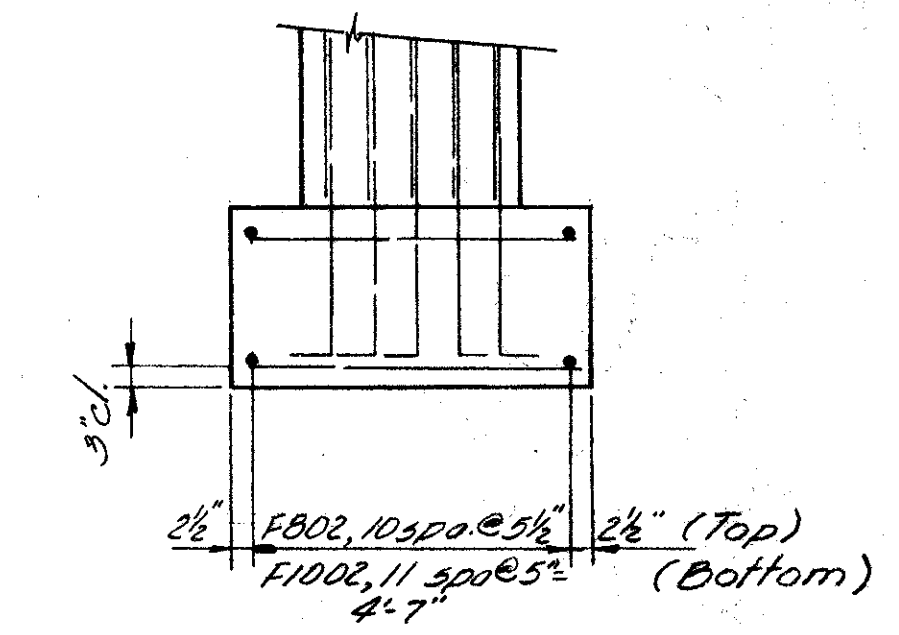
PLAN



BEARING PLATE DETAIL
(Typical)



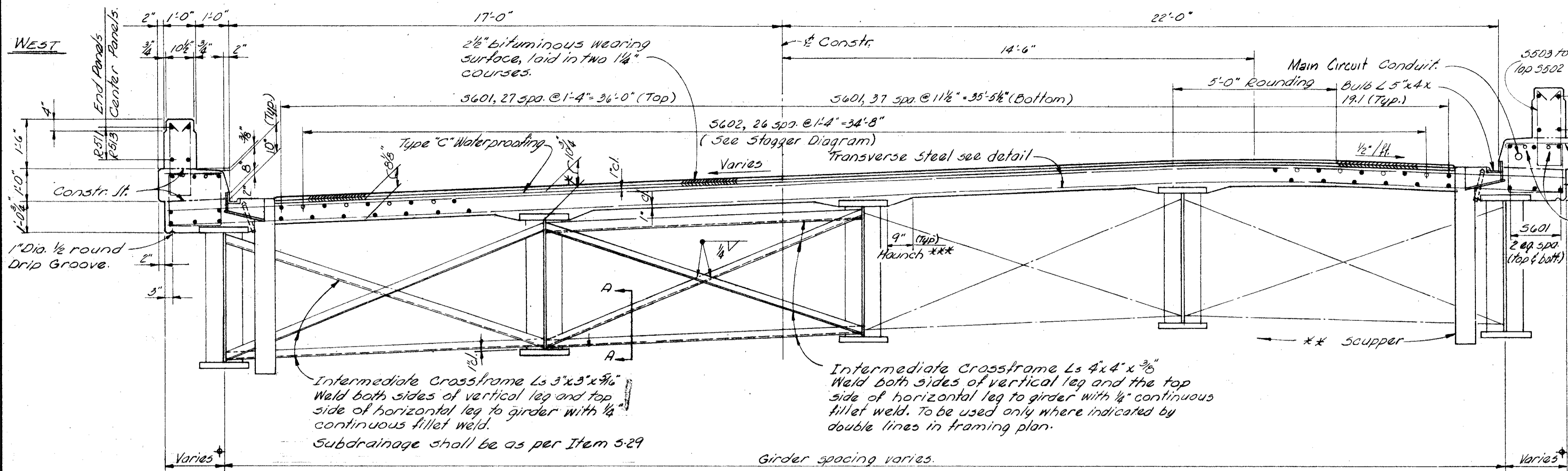
ELEVATION



SECTION B-B

ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS COLUMBUS, OHIO						
PIER-2 DETAILS BRIDGE No. FRA-62-1549 N.B. EAST INNERBELT OVER S.B. EAST FREEWAY FRANKLIN COUNTY STA - 116+14.25						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.R.W.	BDB		R.R.M.	TLU	5/6/62	

FRANKLIN COUNTY
FRA-62-15.30



TRANSVERSE SECTION

* This dimension is from the top of the conc. slab to the top of the web of the girder and is the nominal dimension. The quantity of deck concrete to be paid for shall be based on this dimension even though deviation from it may be necessary because the top flange of the girder may not have the exact camber or conformation required to place it parallel to the finished grade.

Note: Subdrainage as per Item 5-29 shall be placed at the face of the curb.

*** Deck Slab Haunch: The haunch in the deck slab adjacent to the top of the steel girders, which is shown as 9" wide may vary from this dimension with a minimum of 6" and a maximum of 12". Maximum slope of haunch shall be one vertical to four horizontal. Payment shall be based on the 9" width.

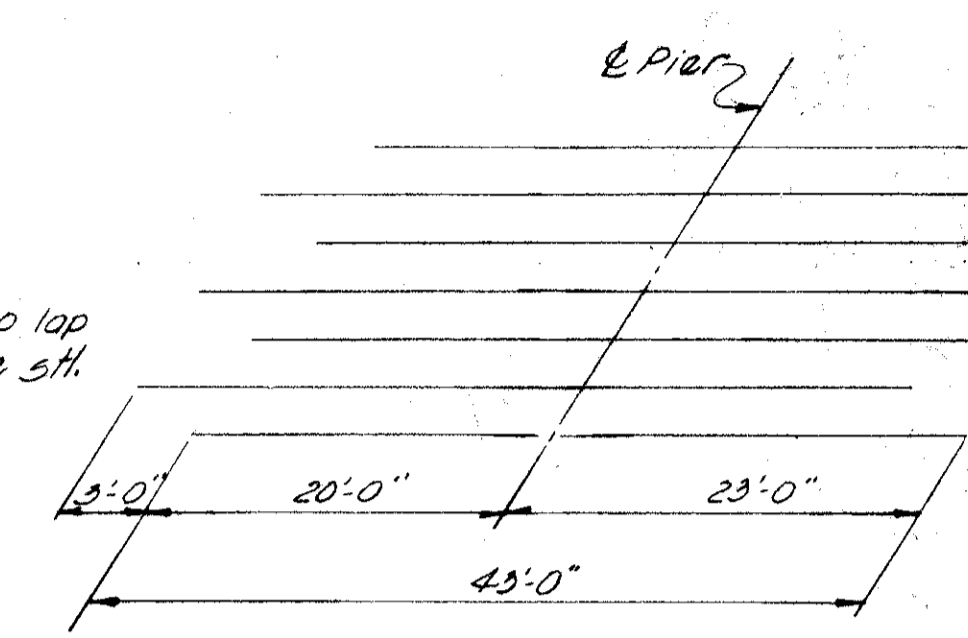


DIAGRAM SHOWING STAGGER OF 5602 BARS OVER PIERS

NOTES:
For details of support bracket for lamp standard see sheet 223

All dimensions shown in Transverse Section are measured normal to E Constr.

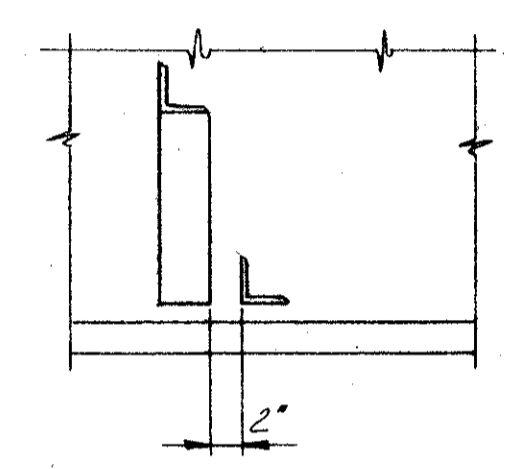
The transverse bars shall be field bent at rounding. Field bending is included with Item 5-4 for payment.

Concrete parapet is included with Item 5-14 for payment.

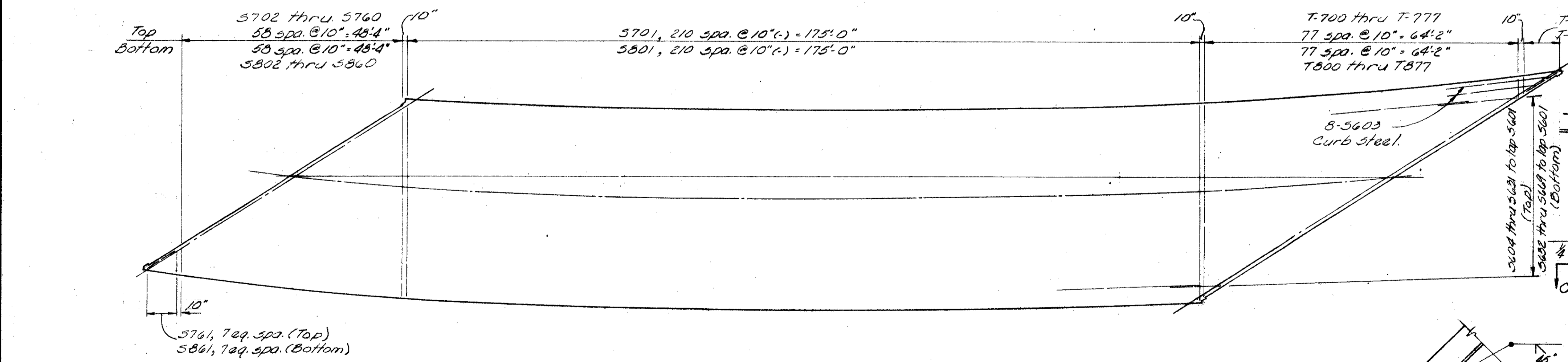
All parapet and curb dimensions and reink. are typical except where shown.

** Use scupper shown on CSB-2-56, for bituminous wearing surface and beam flanges over 12 1/2"

† Cantilever @ 115 + 83.00 on east side of structure = 2'-0" max.
Cantilever @ 116 + 40.00 on west side of structure = 1'-5" min.

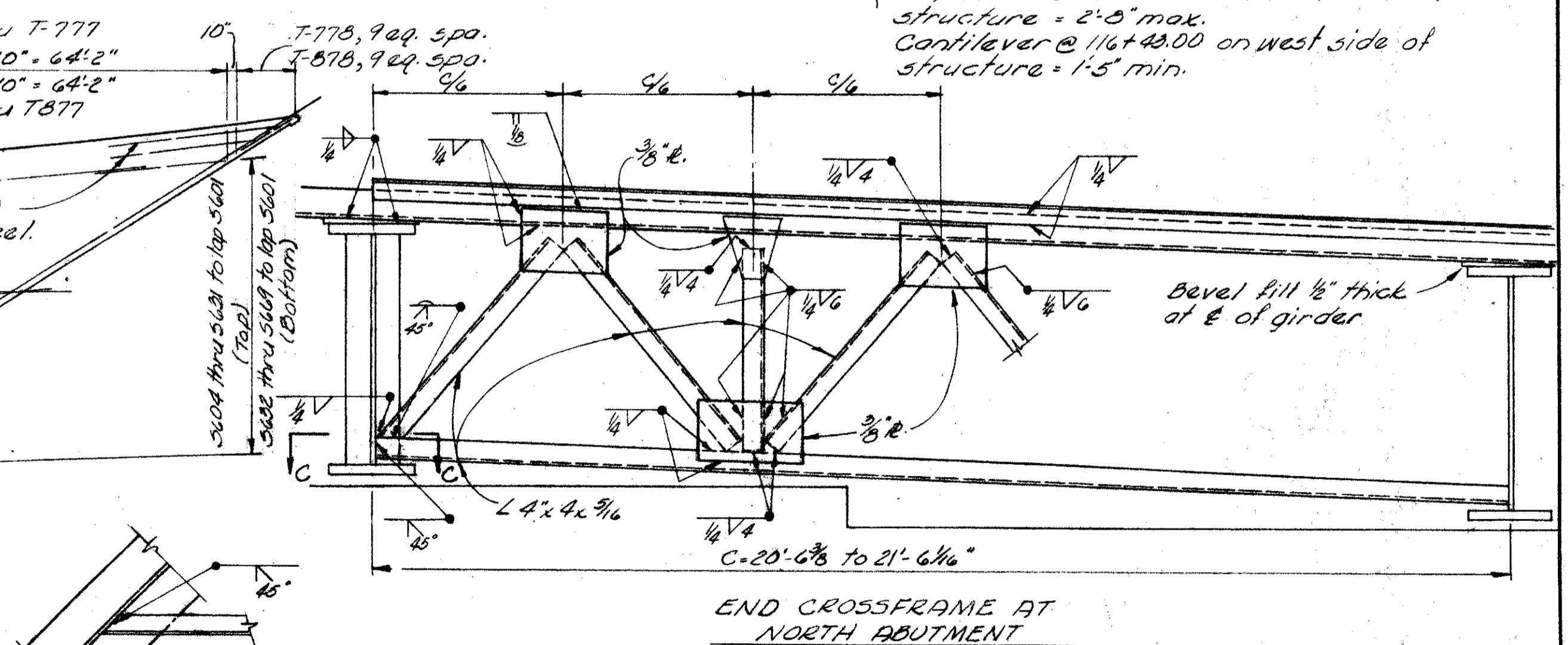


SECTION A-A

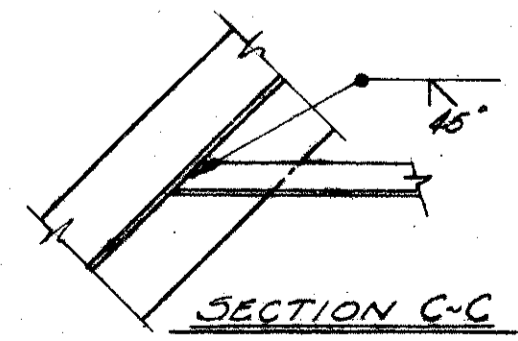


PLACEMENT OF TRANSVERSE & LONGITUDINAL SLAB REINFORCING

NOTES: The longitudinal steel in the curbs is to be placed similar to that in the slab.
Transverse reinforcing steel shall be placed normal to reference chord.

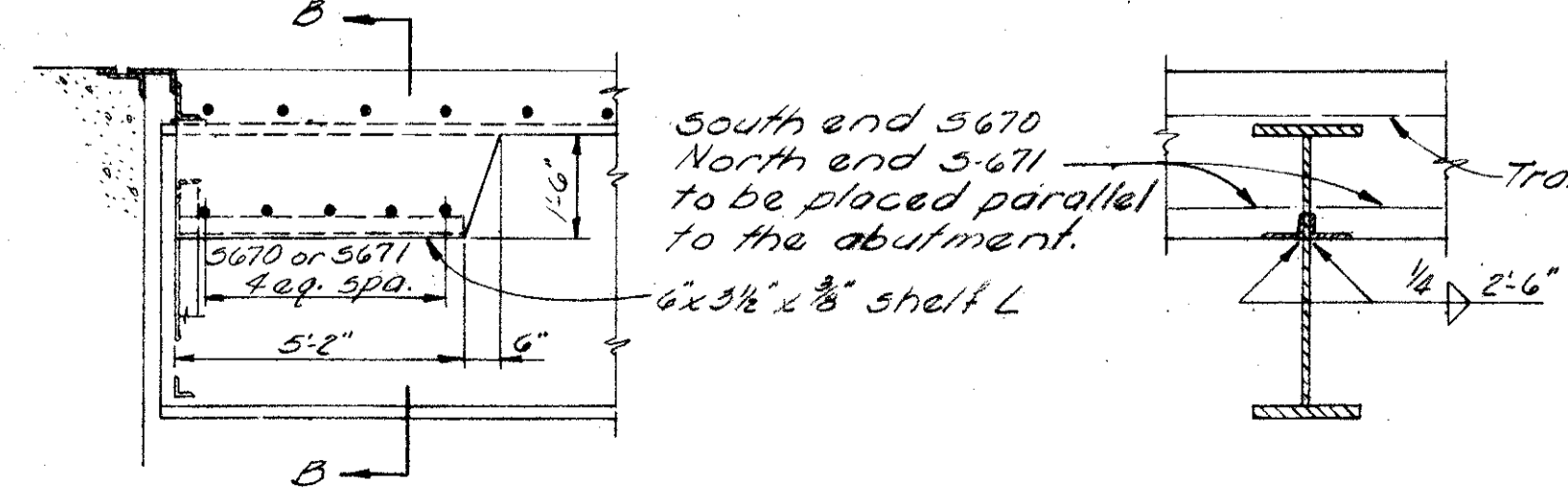


END CROSSFRAME AT NORTH ABUTMENT



SECTION C-C

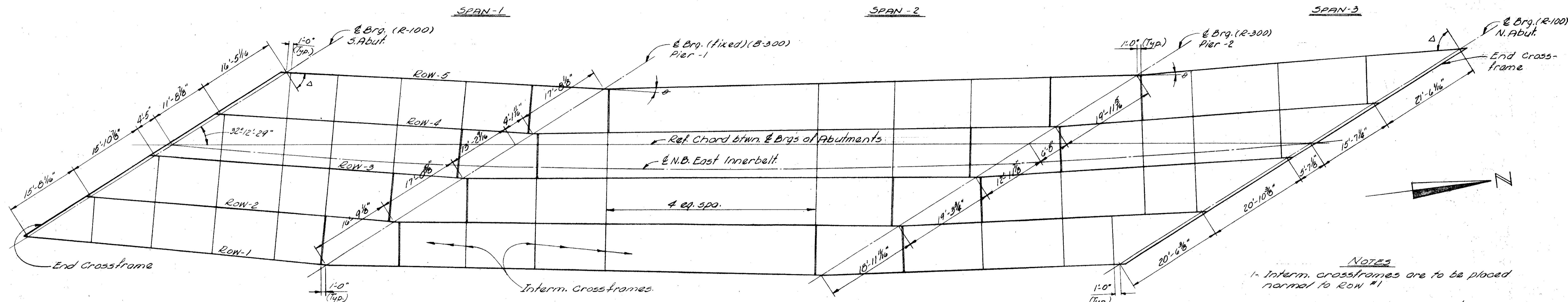
For south abutment use crossframe for beam spacing from 12 feet to 16 feet as detailed on CSB-2-56, with the exception as shown above; both legs of the bottom angle are to be welded to the girder with a single bevel weld.



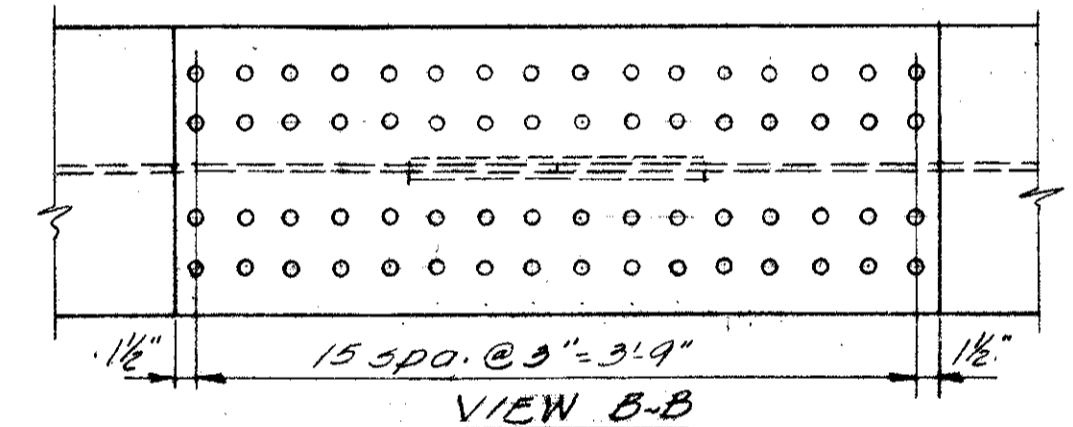
COUNTER WEIGHT DETAIL

SECTION B-B

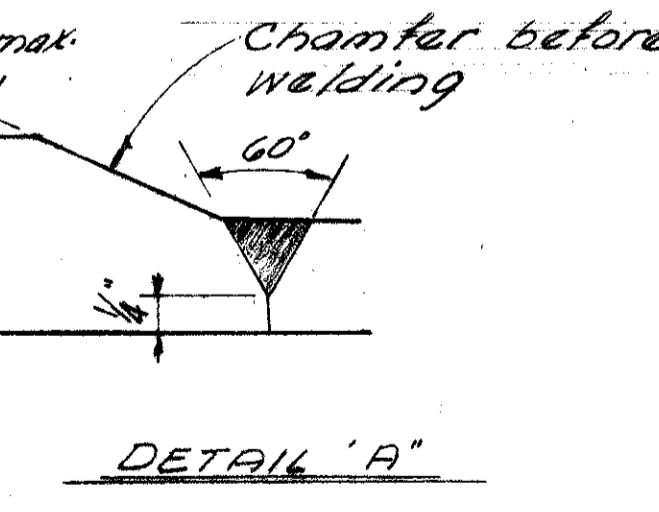
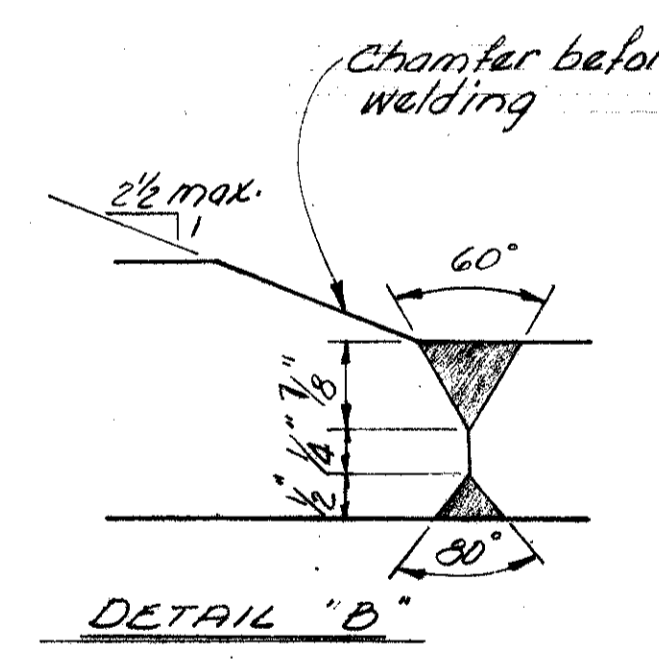
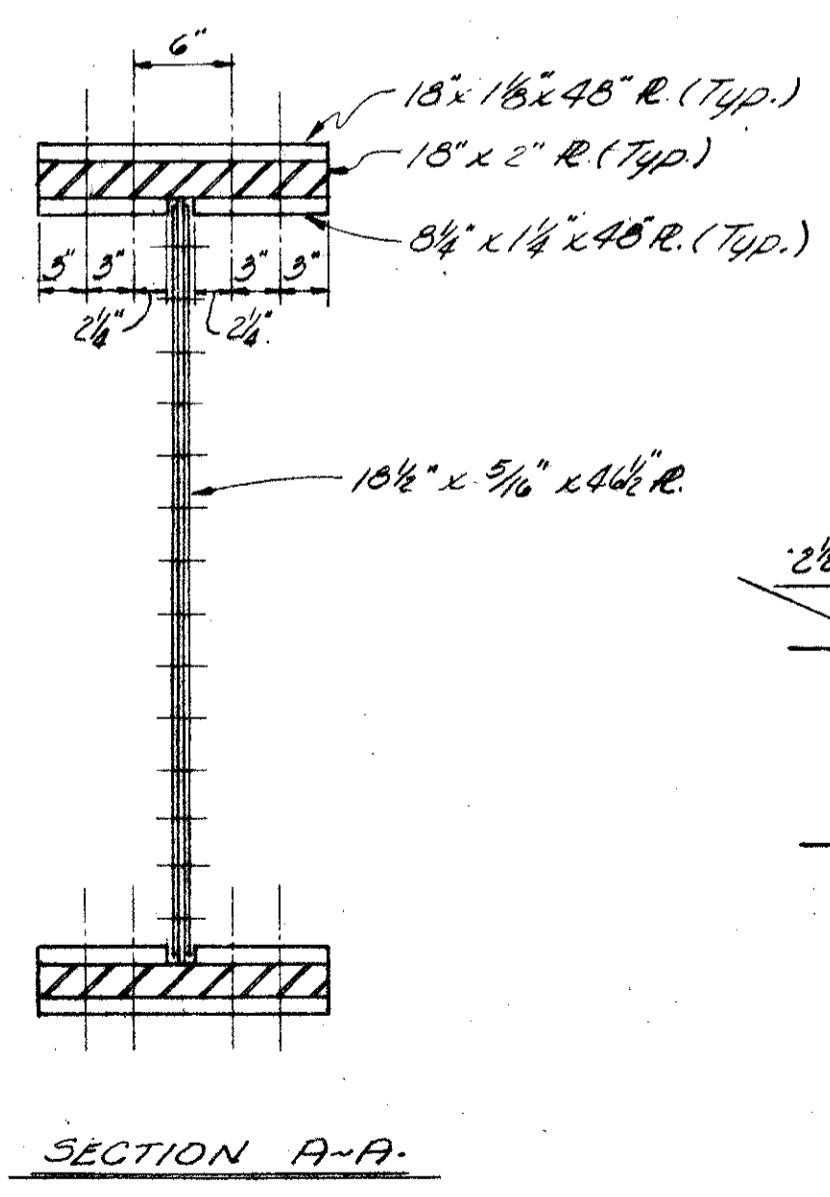
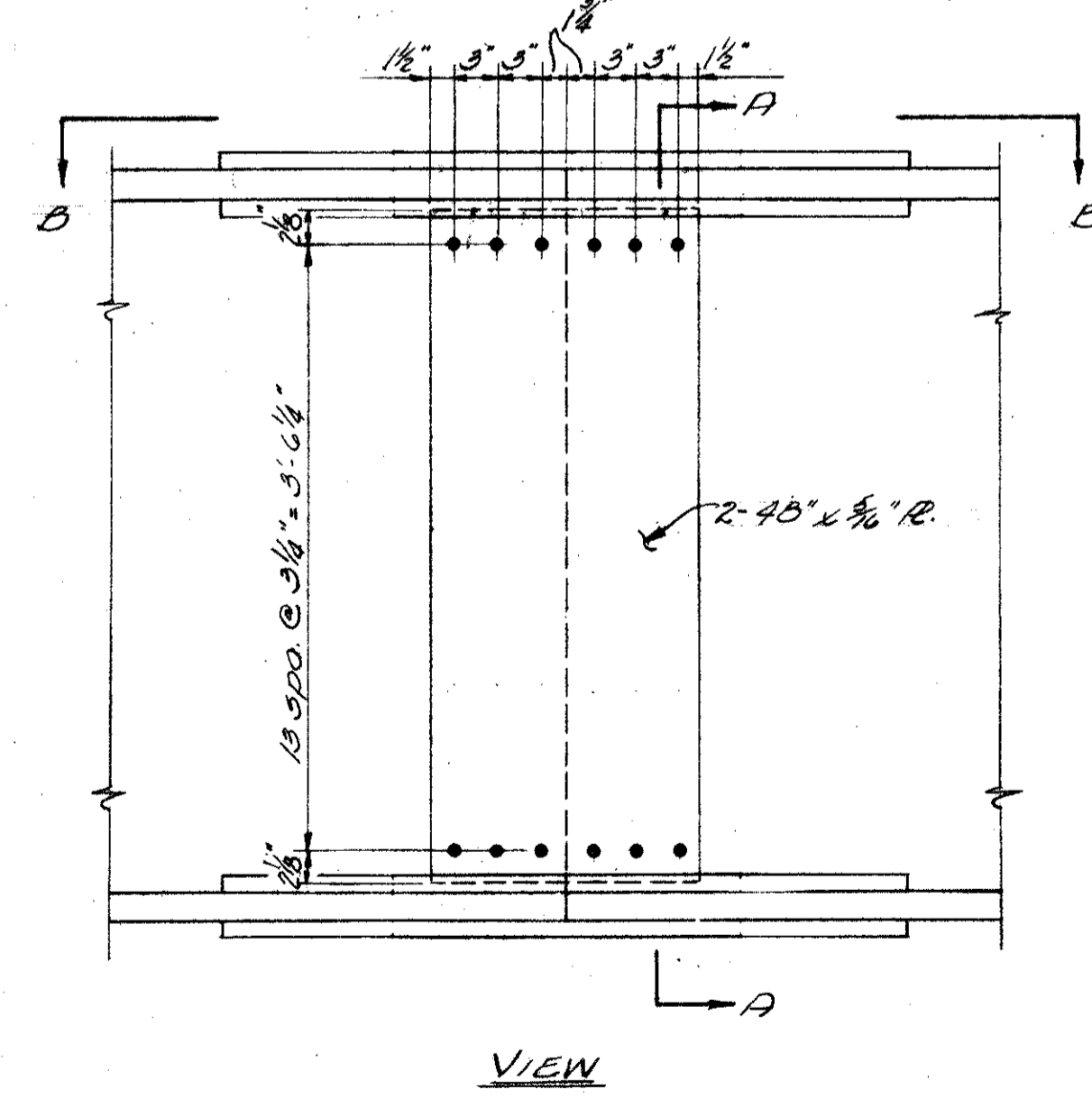
ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS COLUMBUS, OHIO					
SUPERSTRUCTURE DETAILS					
BRIDGE No. FRA-62-1549					
N.B. EAST INNERBELT OVER S.B. EAST FREEWAY					
FRANKLIN COUNTY STA-116 + 14.25					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
CRW	BDB		R.R.M.	TLU	10-9-61



- NOTES**
- 1- Intern. crossframes are to be placed normal to Row #1
 - 2- For End Dam Details see sheet 233
 - 3- Double line indicates location of crossframes with top horiz. angles.



FRAMING PLAN



	Row 1		Row-2		Row-3		Row-4		Row-5	
	Gr. Lth. % Brqs.	θ or Δ	Gr. Lth. % Brqs.	θ or Δ	Gr. Lth. % Brqs.	θ or Δ	Gr. Lth. % Brqs.	θ or Δ	Gr. Lth. % Brqs.	θ or Δ
S. Abut.		52°-24'-11"		53°-00'-05"		53°-36'-54"		54°-14'-25"		54°-52'-15"
Span 1	62'-7 1/4"		63'-5 3/8"		64'-2 3/8"		65'-4 3/8"		66'-4 3/8"	
Pier 1		04°-05'-11"		04°-12'-03"		04°-14'-26"		04°-15'-21"		04°-15'-02"
Span 2	103'-7 3/8"		105'-5 3/8"		107'-4 3/8"		109'-4 3/8"		111'-4"	
Pier 2		03°-20'-49"		03°-23'-07"		03°-24'-10"		03°-23'-57"		03°-22'-25"
Span 3	62'-6 1/2"		63'-10 3/8"		65'-2 3/8"		66'-6 3/8"		67'-10 3/8"	
N. Abut.		59°-53'-11"		60°-35'-15"		61°-15'-30"		61°-53'-43"		62°-29'-42"

LOCATION	Span-1						Span 2						Span 3						
	1/4 Pt.		1/2 Pt.		3/4 Pt.		1/4 Pt.		1/2 Pt.		3/4 Pt.		1/4 Pt.		1/2 Pt.		3/4 Pt.		
	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	Int.	Ext.	
Girder No.	234	1	5	234	1	5	234	1	5	234	1	5	234	1	5	234	1	5	
Defl. due to wt. of steel	0	0	0	0	0	1/16	1/16	1/16	1/16	1/8	3/16	1/4	1/8	1/16	1/16	1/16	1/16	0	0
Defl. due to remain. D.L.	1/8	1/8	1/8	1/8	1/8	0	0	0	0	0	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
Horiz & Vert. Curve	1/4	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Total Camber	3/8	1/4	1/8	3/8	3/8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Reqd. Camber	0	0	0	0	0	0	0	0	0	1/8	1/8	1/4	2	2 3/8	1 3/8	1 3/8	2	1 1/4	0

FIELD SPLICE DETAIL
NOTE: 1/2" high strength bolts shall be used. Place heads on fascia side of exterior girders

FLANGE WELDS

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO

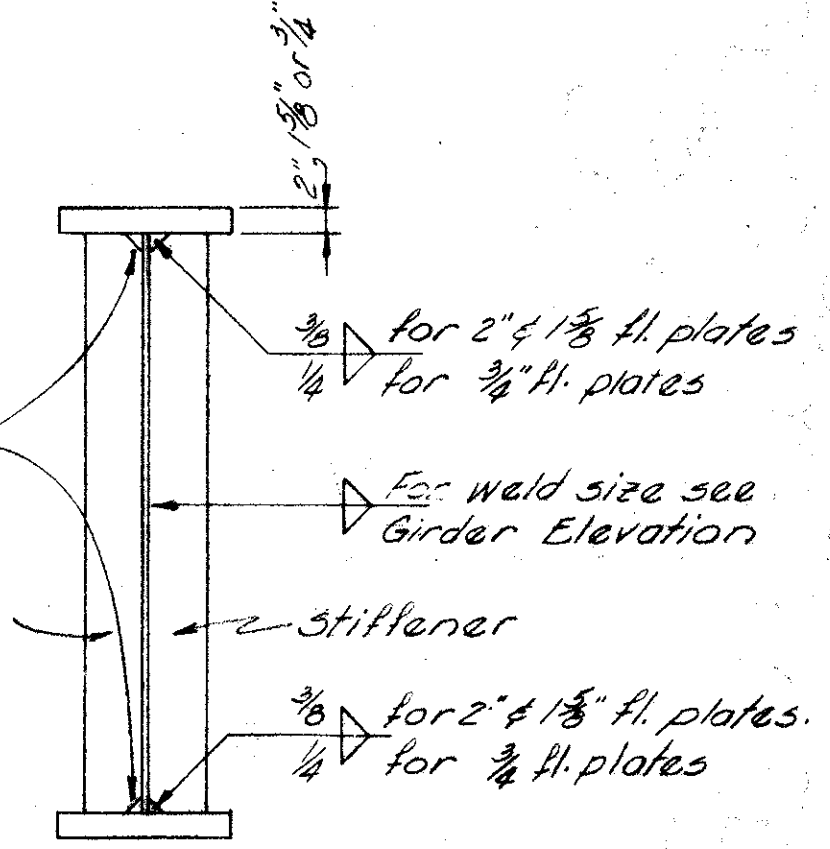
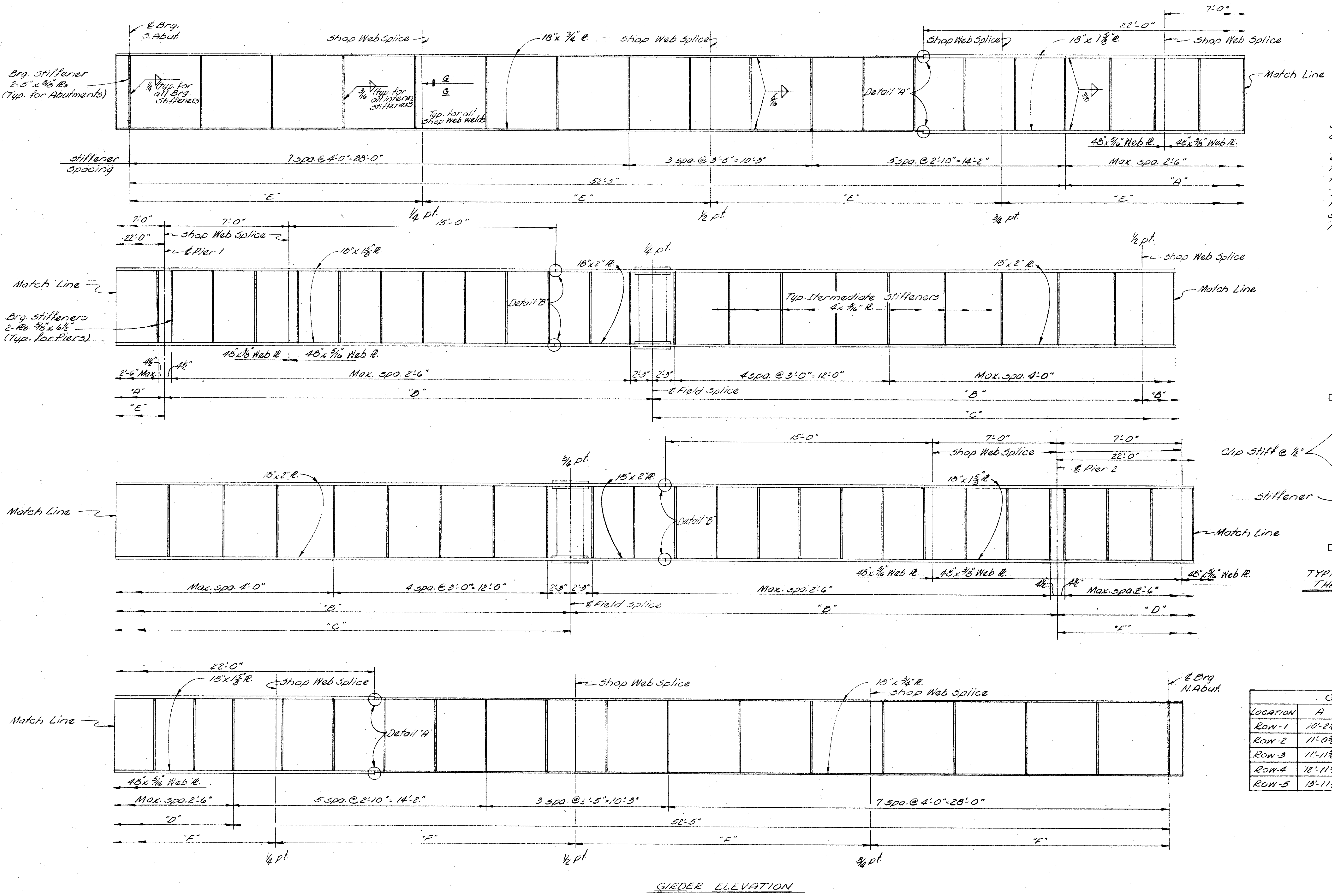
FRAMING PLAN
BRIDGE No- FRA-62-1549
N.D. EAST INNERBELT OVER S.B. EAST FREEWAY
FRANKLIN COUNTY
STA-116 +14.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M.	TLU	10-9-61	

FRANKLIN COUNTY
FRA-62-15.30

NOTES

See sheet 234 for other girder details.
Bearing stiffeners shall be milled to provide bearing contact with flange plates.
If additional shop splices are necessary, their location and detail shall be submitted to the Director for approval.



TYPICAL SECTION THRU GIRDER

LOCATION	A	B	C	D	E	F
ROW-1	10'-2 1/4"	25'-10 1/2"	51'-9 1/2"	10'-1 1/2"	15'-7 1/2"	15'-7 1/2"
ROW-2	11'-0 3/8"	26'-4 3/4"	52'-8 1/2"	11'-5 1/2"	15'-10 3/8"	15'-11 1/2"
ROW-3	11'-11 1/8"	26'-10 3/8"	53'-8 3/8"	12'-9 3/8"	16'-1 1/2"	16'-3 3/8"
ROW-4	12'-11 1/2"	27'-4 1/4"	54'-8 1/4"	14'-1 3/8"	16'-4 1/4"	16'-7 1/4"
ROW-5	13'-11 1/2"	27'-10"	55'-8"	15'-5 3/8"	16'-7 1/2"	16'-11 1/4"

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COLUMBUS, OHIO

GIRDERS 1 THRU 5
BRIDGE No. FRA-62-1549
N.B. EAST INNERBELT OVER S.B.
EAST FREEWAY
FRANKLIN COUNTY STA 116 + 14.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M.	TLU	10-30-61	

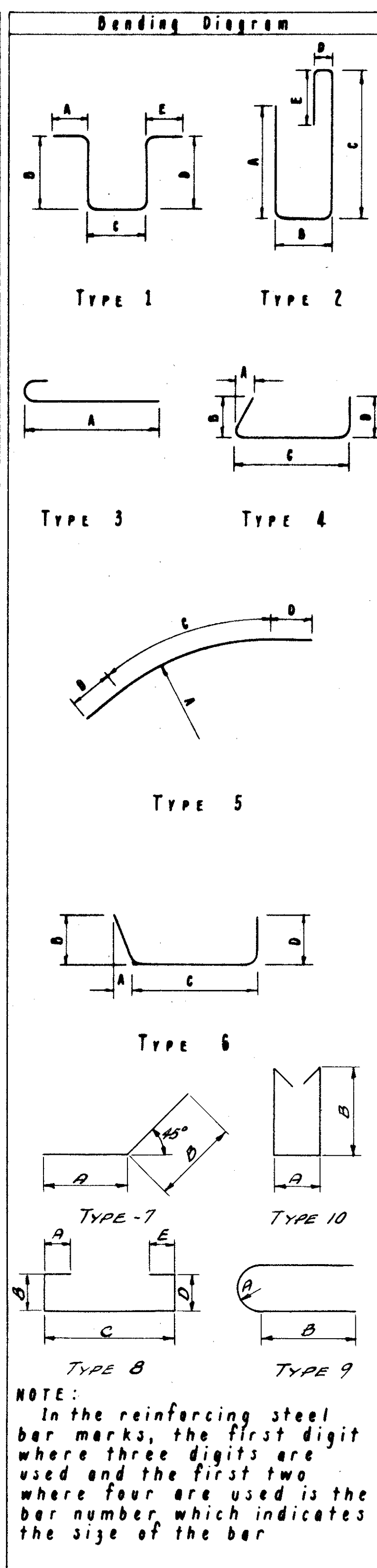
REINFORCING

STEEL

LIST

Mark	Nº	Length	Weight	Shp.
ABUTMENT				
R501	8	16-6	*	st.
R502	4	8-5	*	st.
R503	8	15-8	*	st.
R504	4	19-6	*	st.
R505	4	24-6	*	st.
A502	21	33-2	726	st.
A503	4	37-5	156	st.
A504	5	30-2	157	st.
A505	4	15-4	64	st.
A507	11	37-1	425	st.
A508	5	32-2	168	st.
A509	13	29-6	554	st.
A510	12	21-0	263	st.
A511	6	26-9	167	st.
A512	15	11-9	184	st.
A513	3	7-8	39	st.
A514	32	6-5	214	st.
A515	32	5-9	192	st.
A517	12	14-9	185	st.
A518	3	19-9	62	st.
A519	3	12-8	40	st.
A520	4	16-8	70	st.
A521	33	9-11	341	st.
A522	4	8-5	35	st.
A523	8	12-6	106	st.
A524	3	8-6	27	st.
A525	5	14-0	73	st.
A526	8	10-9	90	st.
A527	26	15-8	425	st.
A528	8	7-8	64	st.
A529	8	7-3	60	st.
A530	7	6-4	46	st.
A531	7	6-9	49	st.
A532	4	3-0	13	st.
A534	2	17-2	36	st.
A535	4	13-8	57	st.
A536	4	24-6	102	st.
A537	3	25-0	79	st.
A538	3	22-2	69	st.
A539	10	21-6	224	st.
A540	14	8-1	118	st.
A541	3	18-3	57	st.
A542	3	13-3	41	st.
A543	4	14-11	62	st.
A544	4	13-8	37	st.
A602	8	10-5	125	st.
F504	2	20-0	42	st.
F506	2	18-0	27	st.
F507	1	8-11	9	st.
F513	5	10-0	52	st.
F515	1	9-10	10	st.
F517	2	14-8	31	st.
F518	2	24-5	51	st.
F519	2	18-0	33	st.
F801	14	37-0	1383	st.
F802	21	33-3	1864	st.

Mark	Nº	Length	Weight	Type	"A"	"B"	"C"	"D"	"E"	Shp.
ABUTMENT										
A501	50	3-9	196	1		0-8	2-8	0-8		bf.
A506	97	13-5	1357	1		4-11	3-10	4-11		bf.
A516	126	3-1	405	1		0-11	1-6	0-11		bf.
A533	63	5-5	356	10	0-8	2-1				bf.
A545	3	8-3	26	1	2-4	6-0				bf.
A546	2	31-2	65							st.
A547	2	36-1	75							st.
A548	3	12-4	39	1	2-4	10-1				bf.
A549	2	24-4	51							st.
A550	2	33-8	70							st.
A551	4	19-8	82							st.
A552	16	4-8	78							st.
A601	146	13-9	4112	2	6-6	1-5	7-9	0-11	2-10	bf.
SUPERSTRUCTURE										
F501	99	8-5	869	1		1-5	5-10	1-5		bf.
F502	42	7-6	329	1	1-0	6-8				bf.
F503	55	9-4	535	1	1-0	8-6				bf.
F505	50	8-1	422	1	3-7	1-2	3-7			bf.
F508	11	3-2	36	3	2-7					bf.
F509	7	10-6	77	7	5-6	5-0				bf.
F510	7	15-3	111	7	8-0	7-3				bf.
F511	5	10-0	52	7	5-6	4-6				bf.
F512	5	13-6	70	7	8-0	5-6				bf.
F514	5	11-0	57	7	8-0	5-0				bf.
F516	12	2-4	29	3	1-9					bf.
F520	4	4-2	17							st.
F521	3	15-8	49							st.
F522	6	4-6	28	1	1-0	3-7				bf.
F601	42	13-7	857	1		6-8	5-10	1-5		bf.
F602	57	15-5	1320	1		8-6	5-10	1-5		bf.
F603	8	4-9	57	1		1-3	3-8			bf.
F604	8	7-7	91	1		1-3	6-6			bf.
PIERS										
P1000	8	16-6	565							st.
P1001	8	17-2	591							st.
P1002	8	17-10	614							st.
P1003	8	18-6	637							st.
P1004	8	18-3	628							st.
P1005	8	16-3	559							st.
P1006	8	16-10	579							st.
P1007	8	17-6	602							st.
P1008	8	18-2	625							st.
P1009	8	18-1	622							st.
F500	115	6-8	800							st.
F501	90	4-8	438							st.
F801	30	28-4	2268							st.
F802	33	31-4	2761							st.
F900	39	28-7	3790							st.
F1000	36	31-10	4931							st.
F1001	80	6-4	2180	1	1-4	5-4				bf.



ESTIMATED QUANTITIES

Item	Total	Unit	Description	Abut.	Pier	Supers.	General
E-2	978	Cu. Yd.	Unclassified Excavation	728	250		
S-1	342	Cu. Yd.	Class "C" concrete, superstructure			342	
S-1	46	Cu. Yd.	Class "C" concrete, pier columns		46		
S-1	343	Cu. Yd.	Class "E" concrete, abutments above footings	343			
S-1	225	Cu. Yd.	Class "E" concrete, footings	130	95		
S-3	72	Lin. Ft.	Waterproofing, premolded sealing strip	72			
S-3	1040	Sq. Yd.	Type "C" Waterproofing			1040	
S-4	145,639	Lbs.	Reinforcing Steel	21,445	26,413	97,781	
S-7	353,700	Lbs.	Structural steel			353,700	
S-8	353,700	Lbs.	Field painting of struct. steel			353,700	
S-14	603	Lin. Ft.	Railing (Alum. rail & supports & conc. parapets)	119		484	
S-29	76	Cu. Yd.	Porous Backfill.	76			
S-29	7	Each	Scuppers			7	
S-29	476	Lin. Ft.	Subdrainage for wearing surface course			476	
I-10	700	Sq. Yd.	Concrete Slope Protection			700	
Z-10	11	Sq. Yd.	Crushed Aggregate Slope Protection			11	
T-35	72	Cu. Yd.	Asphaltic conc. surface course Type C (60-70)			72	
*Spec.	342	Each	Water-reducing, set-retarding admixture			342	
S-25	1	Each	Electric grounding system				1
S-25	1	Each	Lamp Standard				1
S-25	1	Each	Mercury Vapor Luminaire				1
S-25	574	Lin. Ft.	Main Circuit Cable (single conductor)			574	
S-25	287	Lin. Ft.	Main Circuit Conduit			287	
S-25	82	Lin. Ft.	Pole and Bracket Cable (single conductor)			82	

SPIRALS - HOT ROLLED

Mark	Nº	Length	Core	Pitch	Turns	Spacers	Weight
P400	1	16-6	32	4 1/2	47	4	304
P401	1	17-2	32	4 1/2	49	4	317
P402	1	17-10	32	4 1/2	51	4	330
P403	1	18-6	32	4 1/2	52	4	337
P404	1	18-3	32	4 1/2	52	4	337
P405	1	16-3	32	4 1/2	46	4	298
P406	1	16-10	32	4 1/2	48	4	311
P407	1	17-6	32	4 1/2	50	4	324
P408	1	18-2	32	4 1/2	51	4	331
P409	1	18-1	32	4 1/2	51	4	330

SPIRALS

THE NO. OF TURNS SHOWN IN THE STEEL LIST FOR THE SPIRAL BARS IS THE "LENGTH" DIVIDED BY THE PITCH, PLUS 3 TURNS (TOTAL NUMBER OF CLOSED COILS), EXPRESSED AS THE NEAREST WHOLE NUMBER

SPIRAL REINFORCING BARS SHALL NOT HAVE DEFORMATIONS BUT

SHALL IN OTHER RESPECTS CONFORM TO ITEM S-4

1/2 CLOSED COILS SHALL BE PROVIDED AT THE ENDS OF EACH SPIRAL UNIT

FOUR STEEL CHANNEL, TEE OR ANGLE SPACERS, WEIGHING APPROXIMATELY 0.68 LB. PER LIN. FT. OF SPACER SHALL BE PROVIDED FOR EACH SPIRAL UNIT, THEY SHALL BE EQUALLY SPACED ALONG THE PERIPHERY OF THE COIL. THE NUMBER OF POUNDS OF THESE SPACERS, BASED ON 0.68 LB. PER LIN. FT. WILL BE PAID FOR AS REINFORCING STEEL, AND IS INCLUDED IN THE TABULATED QUANTITY OF SPIRAL BARS

* See Proposal Note

* HORIZONTAL PARAPET REINFORCING THESE BARS ARE INCLUDED WITH THE RAILING FOR PAYMENT

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO

REINFORCING STEEL LIST AND
ESTIMATED QUANTITIES
BRIDGE No. FRA-62-1549
N.B. EAST INNERBELT OVER S.B.
EAST FREEWAY
FRANKLIN COUNTY

STA-116+14.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CRW	BDB		R.R.M.	TLU	5-8-62	