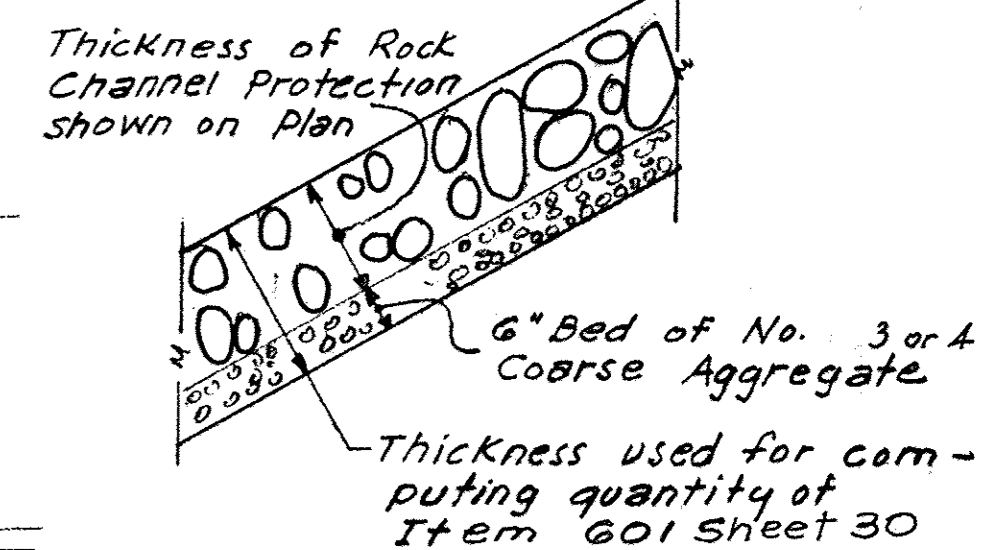
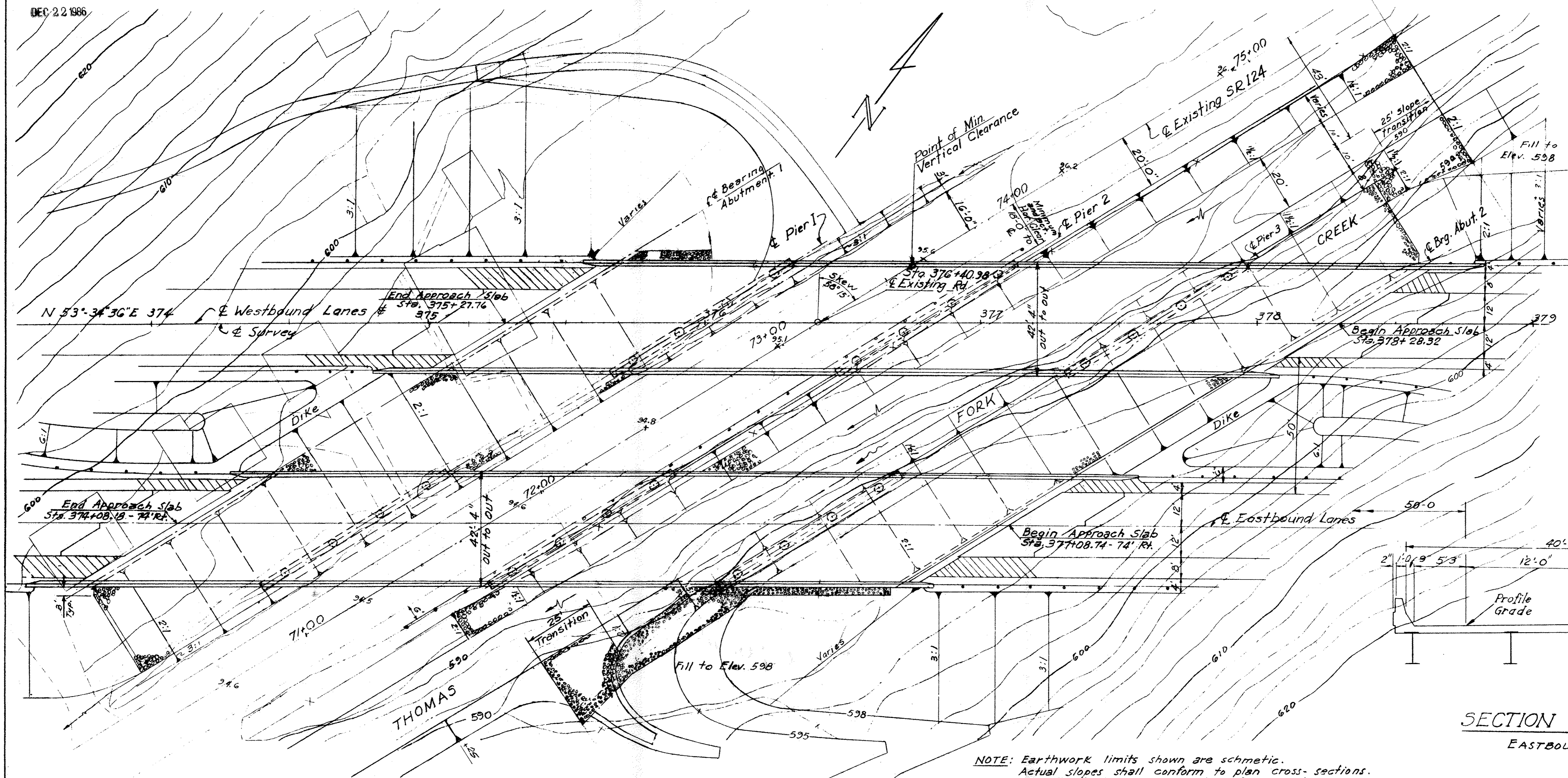
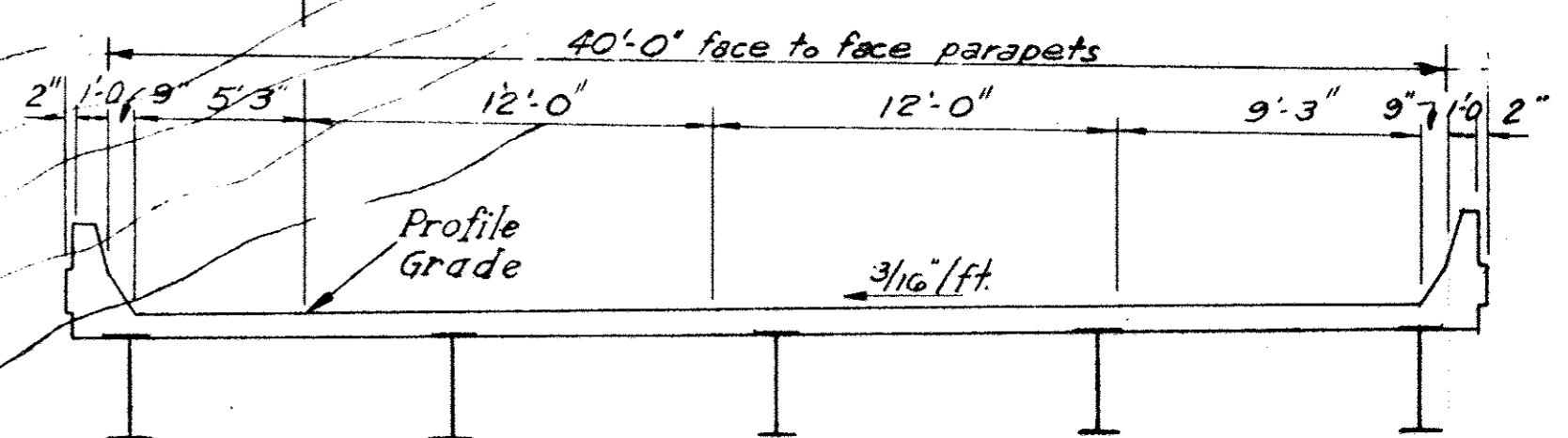


MEG-7-G.16



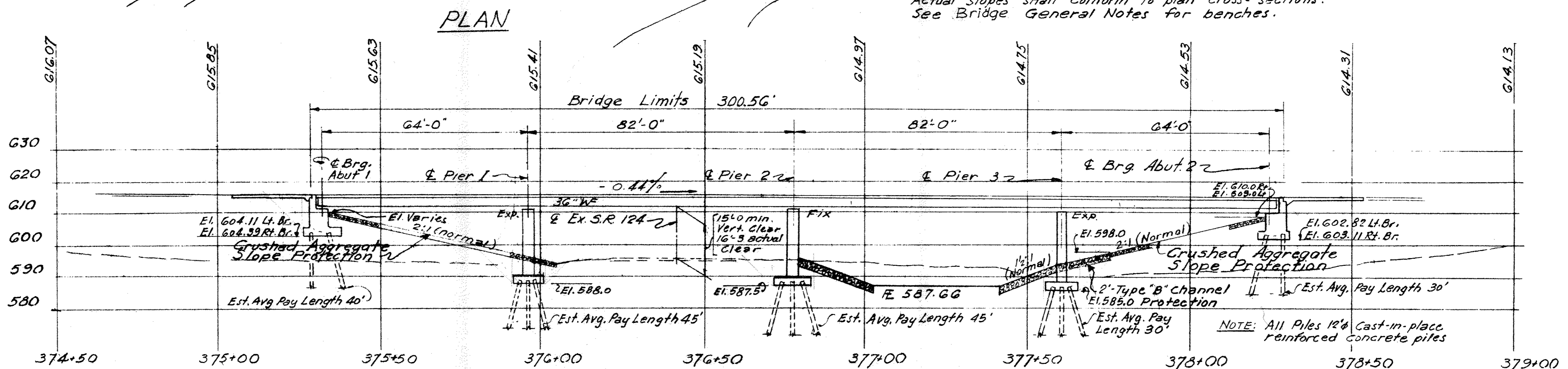
DETAIL OF ROCK CHANNEL PROTECTION

HYDRAULIC DATA
 Drainage Area - 10.19 Sq.M
 Q₅₀ = 2475 cfs.
 50 year high water Elev. 595.6
 Velocity 3.8 ft. per sec.



SECTION THRU BRIDGE
EASTBOUND LANES

NOTE: Earthwork limits shown are schematic.
Actual slopes shall conform to plan cross-sections.
See Bridge General Notes for benches.



ELEVATION ON WESTBOUND LANES

ADT-1990-5030

PROPOSED STRUCTURE
 TYPE: Continuous Rolled Beam with reinforced concrete deck and substructure
 SPANS: 64'-0", 82'-0", 82'-0", 64'-0"
 ROADWAY: 2 with 40'-0" face to face of parapets
 WEARING SURFACE: 1" Monolithic Concrete
 LOADING: AASHTO HS 20-44
 APPROACH SLABS: ASI-G7 (25'-0" Long)
 ALIGNMENT: Tangent
 SKEW: 58° 15' L.F.

AUBLE - MITCHELL - BURGESS & ASSOC
ENGINEERS & ARCHITECT 1119

SITE PLAN
 BRIDGE NO. MEG-70713/LR
 S.R. 7 over S.R. 124
 MEIGS COUNTY
 STA. 375+27.76 STA. 378+28.32

PROPOSED WORK				
DESIGNED	DRAWN	TRACED	CHECKED	REVISION
				BRB

ESTIMATED QUANTITIES (TOTAL FOR TWO BRIDGES)

ITEM	TOTAL	UNIT	DESCRIPTION	ABUTMENTS	PIERS	SUPER-STRUCTURE	GENERAL	CHECKED BY & DATE	
503	1285	Cu. Yd	Unclassified Excavation	692	593			LEN	9-70
505	Lump	Lump Sum	Test Pile				Lump		
507	9860	Lin. Ft.	12" Cast-in-place reinforced concrete piles	2660	7200			LEN	9-70
509	393,456	Lb.	Reinforcing Steel	40,861	120,738	231,857		LEN	9-70
511	805	Cu. Yd.	Class C Concrete, superstructure			805		LEN	9-70
511	318	Cu. Yd.	Class C Concrete, pier caps and columns		318			LEN	9-70
511	333	Cu. Yd.	Class C Concrete, abutments above footings	333				LEN	9-70
511	418	Cu. Yd.	Class C concrete, footings	258	160			LEN	9-70
512	30	Lin. Ft.	Premolded sealing strip	30				LEN	9-70
513	822,000	Lb.	Structural steel			822,000		LEN	9-70
514	822,000	Lb.	Field painting of structural steel			822,000			
518	152	Cu. Yd.	Porous backfill	152				LEN	9-70
518	274	Lin. Ft.	6" Perforated Helical C.M.P. including specials, 707.01	274				LEN	9-70
518	165	Lin. Ft.	6" non-perforated helical C.M.P. 707.01	165				LEN	9-70
518	18	Each	Scuppers, including supports		18			LEN	9-70
601	1795	Sq. Yd.	Crushed aggregate slope protection				1795	LEN	9-70
808	805	Units	Chemical admixture for concrete Type A, B or D			805			
503	Lump	Lump Sum	Cofferdams, cribs, and sheeting				Lump		

GENERAL NOTES

REFERENCE SHALL BE MADE TO THE FOLLOWING:

STANDARD DRAWINGS BR-1-67 DATED 1-1-71
SD-1-69 DATED 6-12-69
RB-1-55 REVISED 2-2-59
AS-1-67 REVISED 6-12-69

SUPPLEMENTAL SPECIFICATIONS 808 DATED 1-1-71
836 DATED 1-1-71

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS, 1965, INCLUDING THE OHIO "SUPPLEMENT" TO THESE SPECIFICATIONS.

DESIGN DATA:

DESIGN LOADING - HS 20-44

CONCRETE CLASS C - UNIT STRESS 1200 P.S.I. FOR SUPERSTRUCTURE
- UNIT STRESS 1333 P.S.I. FOR SUBSTRUCTURE

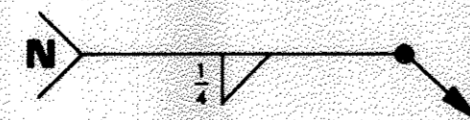
STRUCTURAL STEEL - ASTM A36 - UNIT STRESS 20,000 P.S.I.

REINFORCING STEEL - ASTM A615, A616, or A617 - UNIT STRESS 20,000 P.S.I. SPIRAL REINFORCEMENT MAY BE PLAIN BARS ASTM A306, A499, A615, A82

PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 35 TONS FOR ABUTMENTS AND PIERS.

MAINTENANCE OF TRAFFIC: TWO LANES OF TRAFFIC WITH A MINIMUM HORIZONTAL WIDTH OF 24'-0" AND A MINIMUM VERTICAL CLEARANCE OF 12'-9" SHALL BE MAINTAINED ON S.R. 124 AT ALL TIMES.

WELDS ON NON-STRESS CARRYING MEMBERS ARE SHOWN THUS:

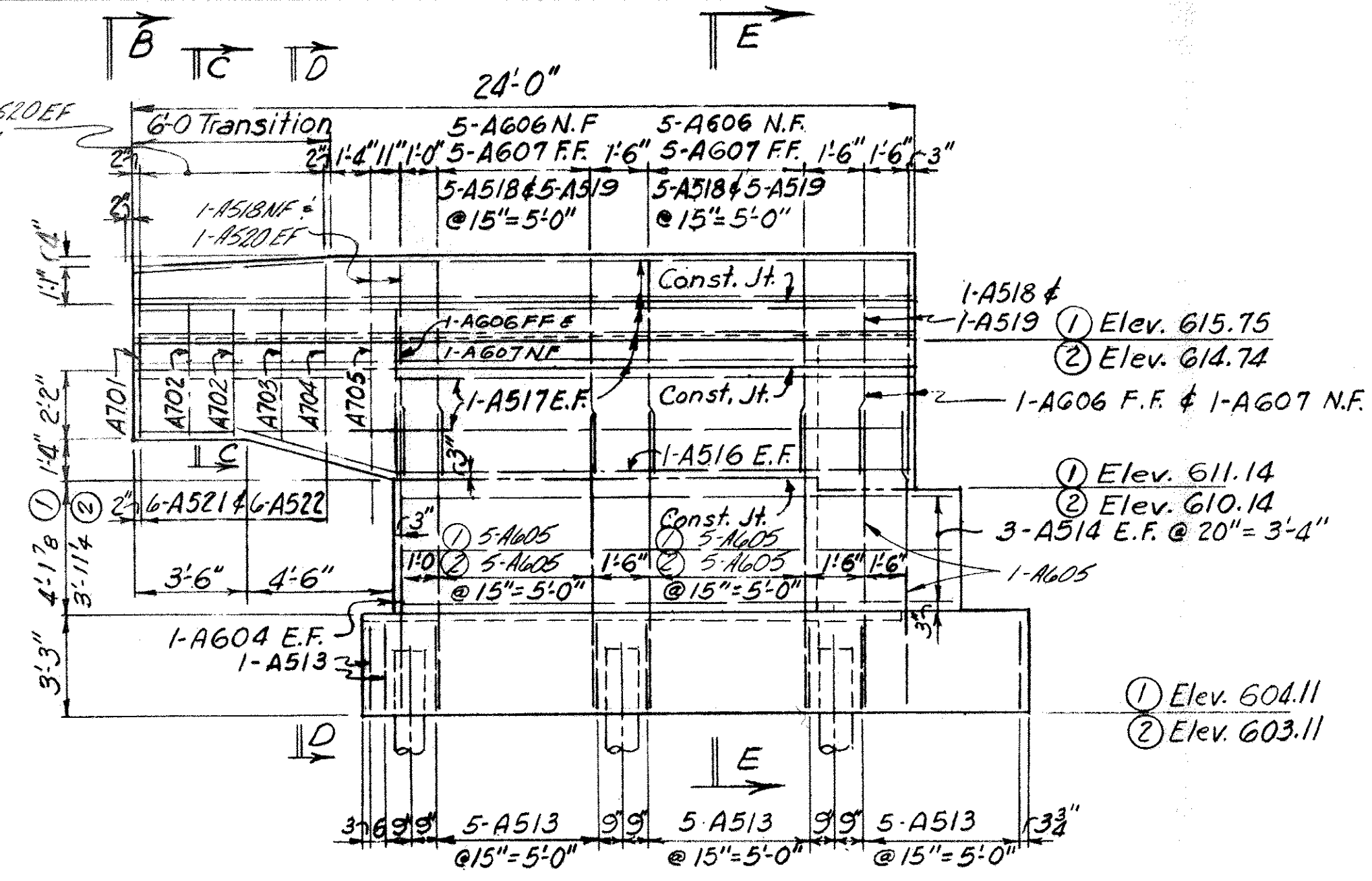


EMBANKMENT CONSTRUCTION: THE EMBANKMENTS SHALL BE CONSTRUCTED TO THE LEVEL OF THE SUBGRADE FOR A MINIMUM DISTANCE OF 200 FEET BACK OF THE ABUTMENTS. EXCAVATION SHALL THEN BE MADE FOR THE ABUTMENTS AND PIERS 1 AND 3. PROVIDE A 30 FT. WIDE BENCH PARALLEL TO THE 600' CONTOUR BETWEEN STA. 372+00 AND STA. 375+00 AT THE REAR APPROACH FILL, AND A 30 FT. WIDE BENCH PARALLEL TO THE 594' CONTOUR BETWEEN STA. 376+50 AND STA. 379+50 AT THE FORWARD APPROACH FILL.

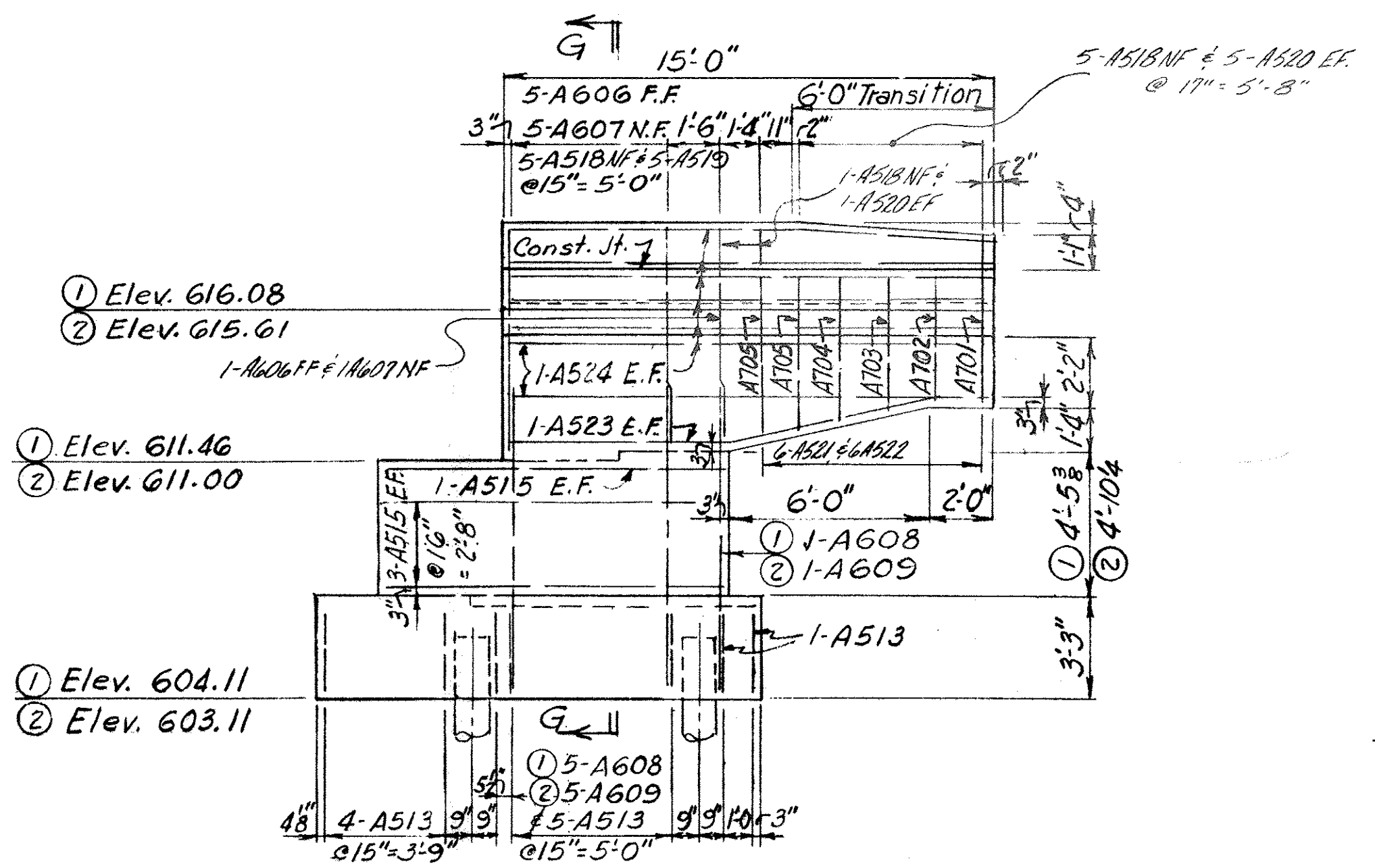
AUBLE-MITCHELL-BURGESS & ASSOC. 2/73
ENGINEERS AND ARCHITECTS
CINCINNATI, OHIO

ESTIMATED QUANTITIES &
GENERAL NOTES
BRIDGE NO. MEG-7-0713 L/R
S.R. 7 OVER S.R. 124
MEIGS COUNTY STA. 375+27.76 TO
STA. 375+28.30

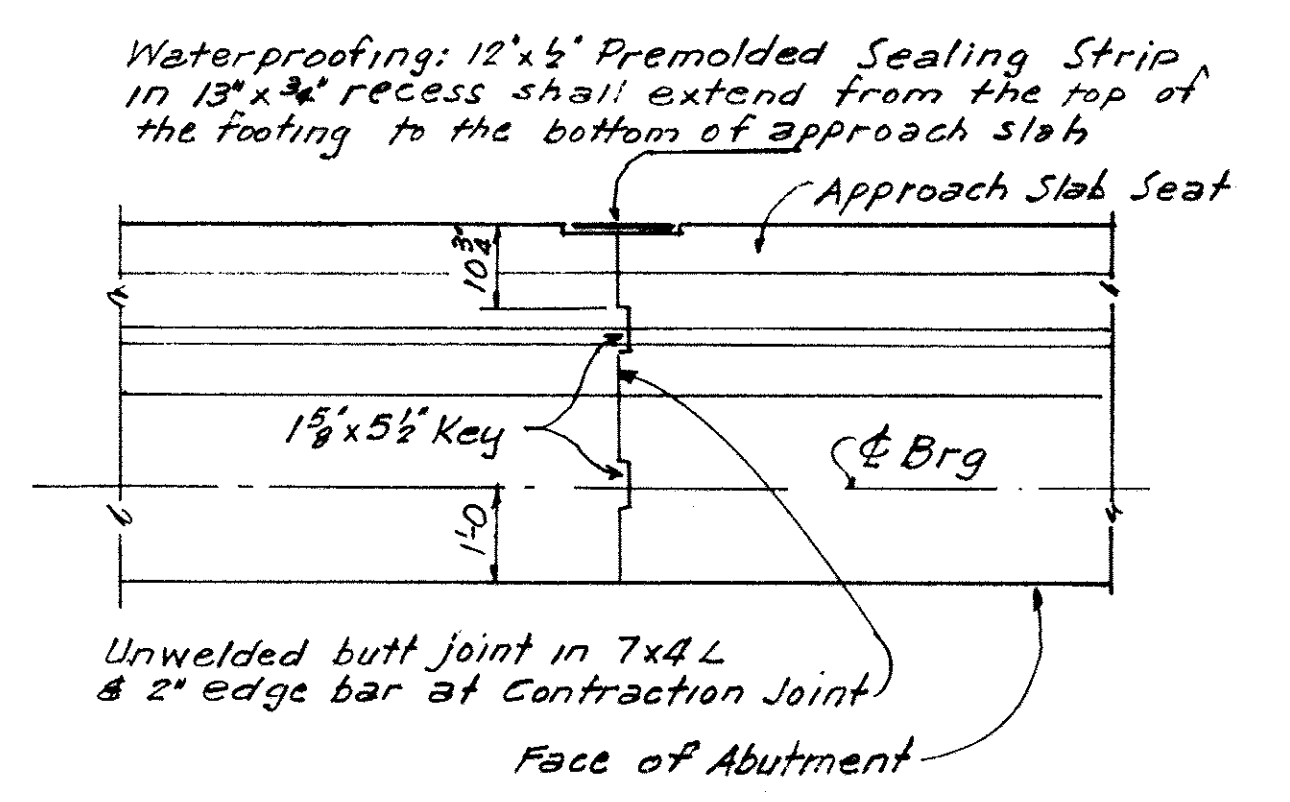
Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
					LEN 10-70	



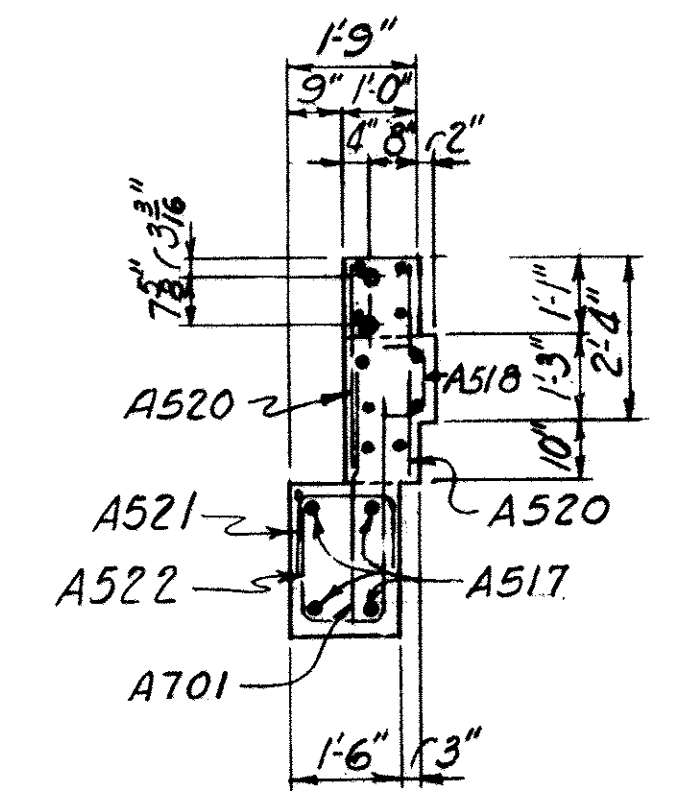
ELEVATION - WINGWALL 1



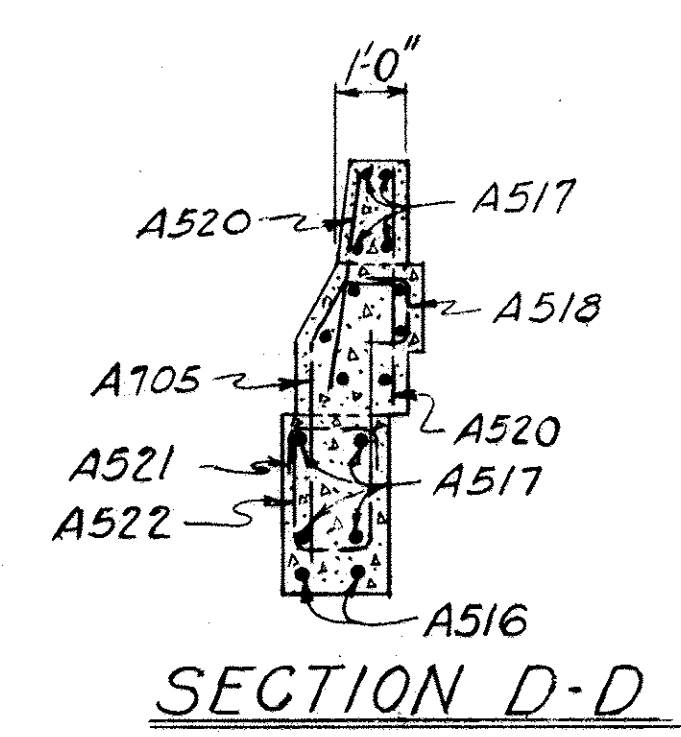
ELEVATION - WINGWALL 2



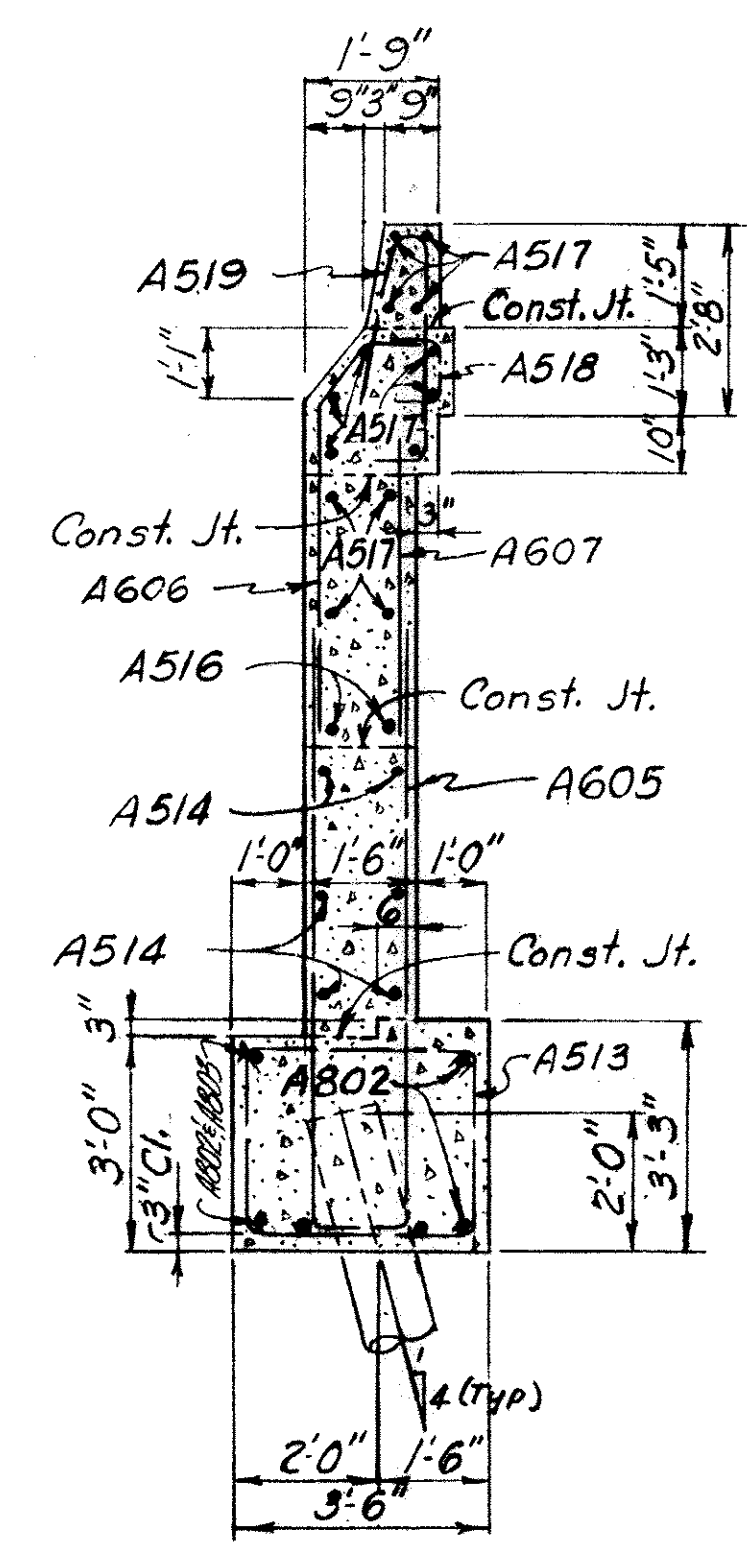
CONTRACTION JOINT DETAIL



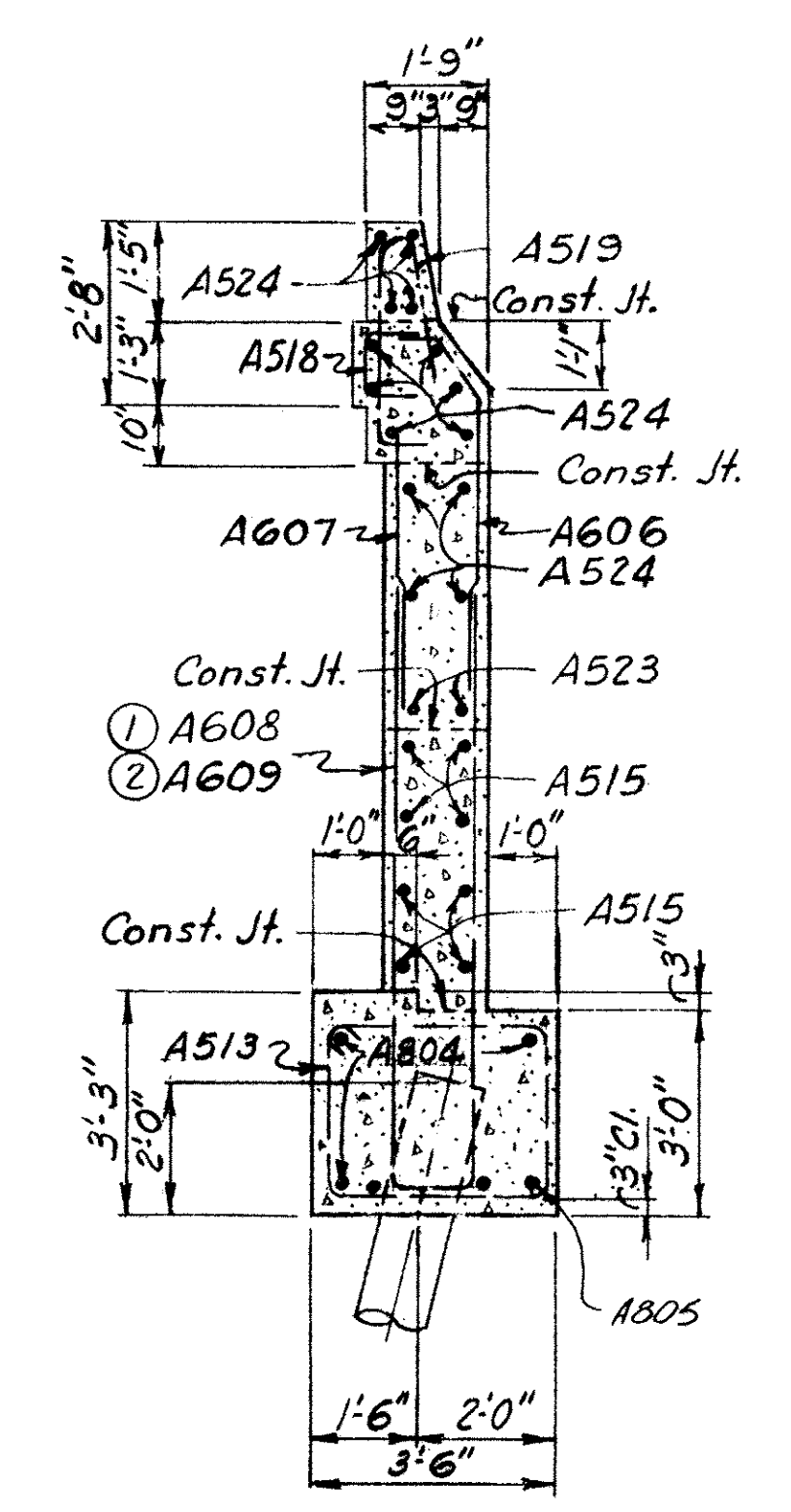
SECTION C-C



SECTION D-D



SECTION E-E

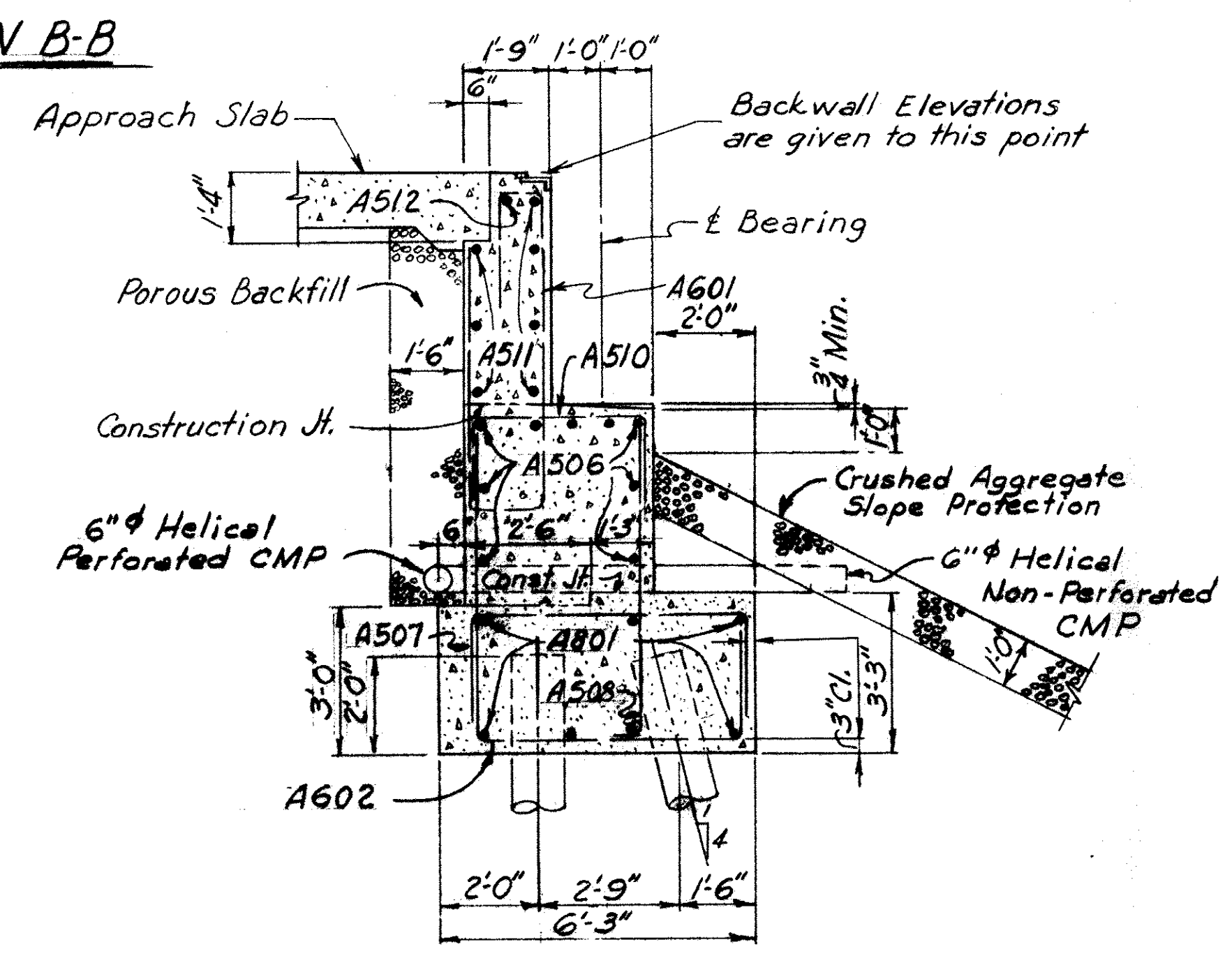


SECTION G-G

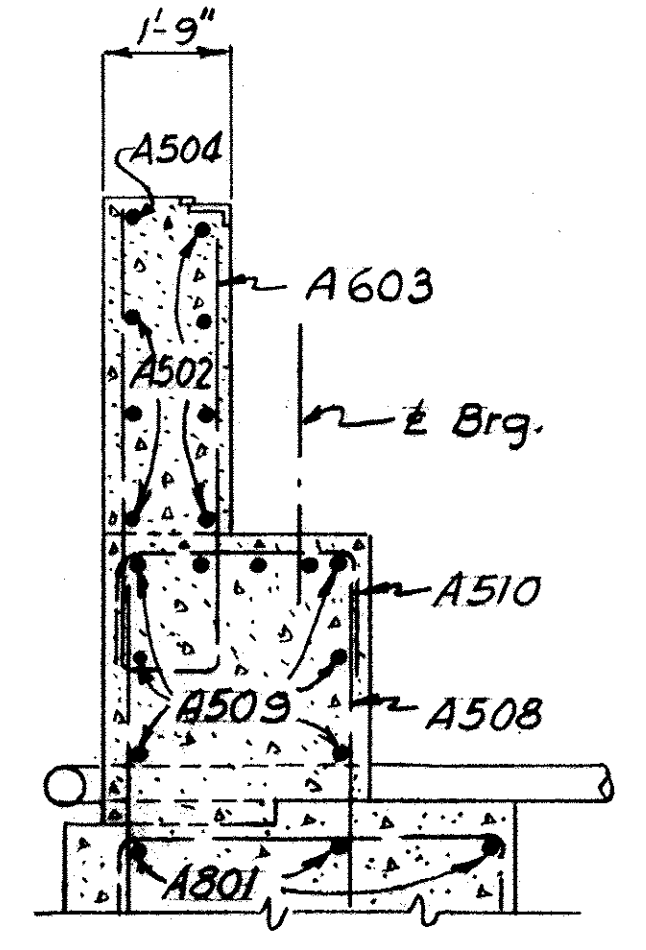
- NOTES:
- For additional railing details see Std. Dwg. BR-1-67 Sh. 1 of 3.
 - For location of sections A-A, & F-F see Sh. 9
 - For reinforcing steel list see Sh. 12

PARAPET TRANSITION AND WINGWALL ENDS shall be as shown on Std. Dwg. BR-1-67 revised 1-1-71. Reinforcing steel shall be field bent or cut to fit the revised shape.

VIEW B-B



SECTION A-A

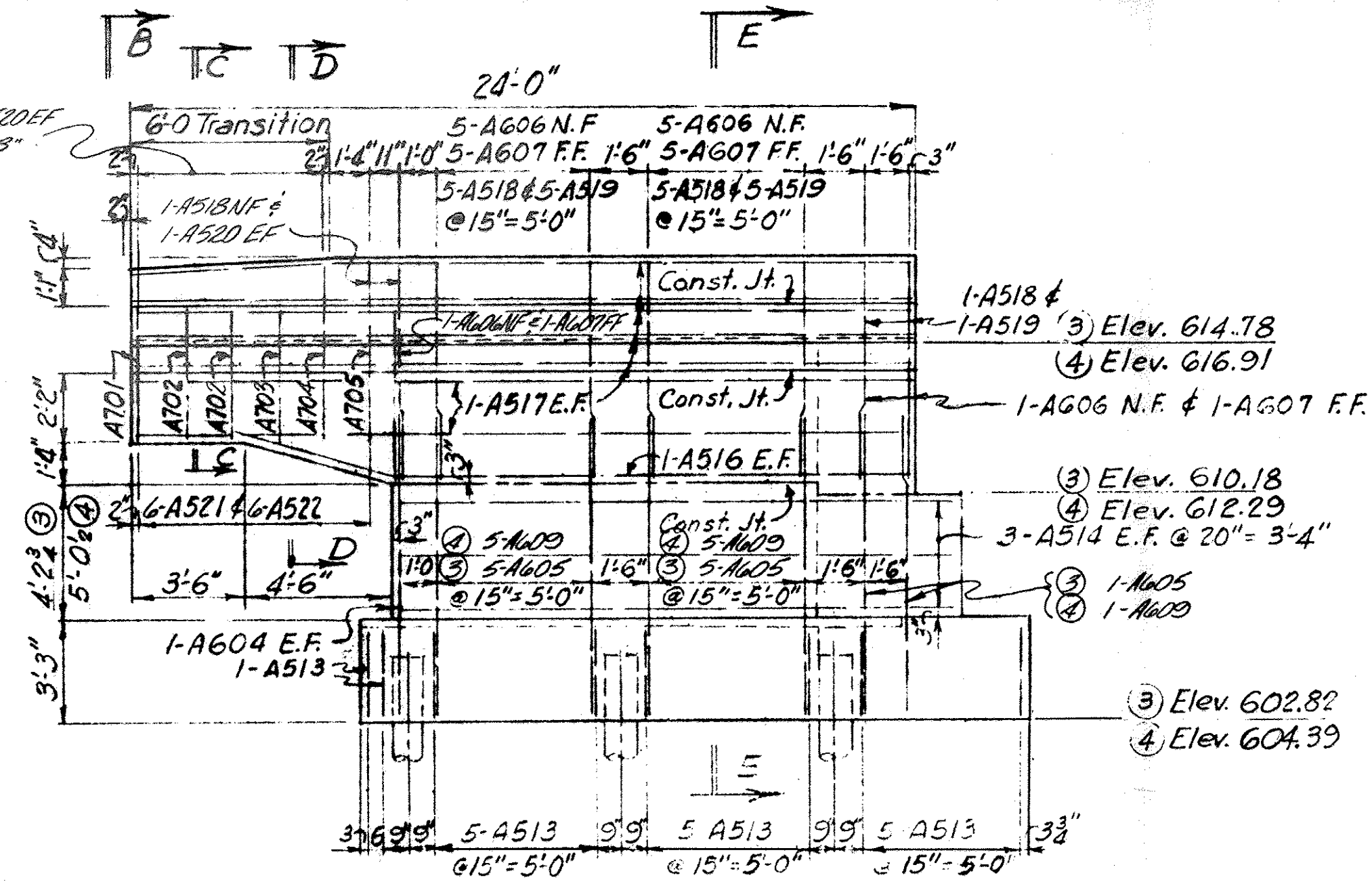


SECTION F-F

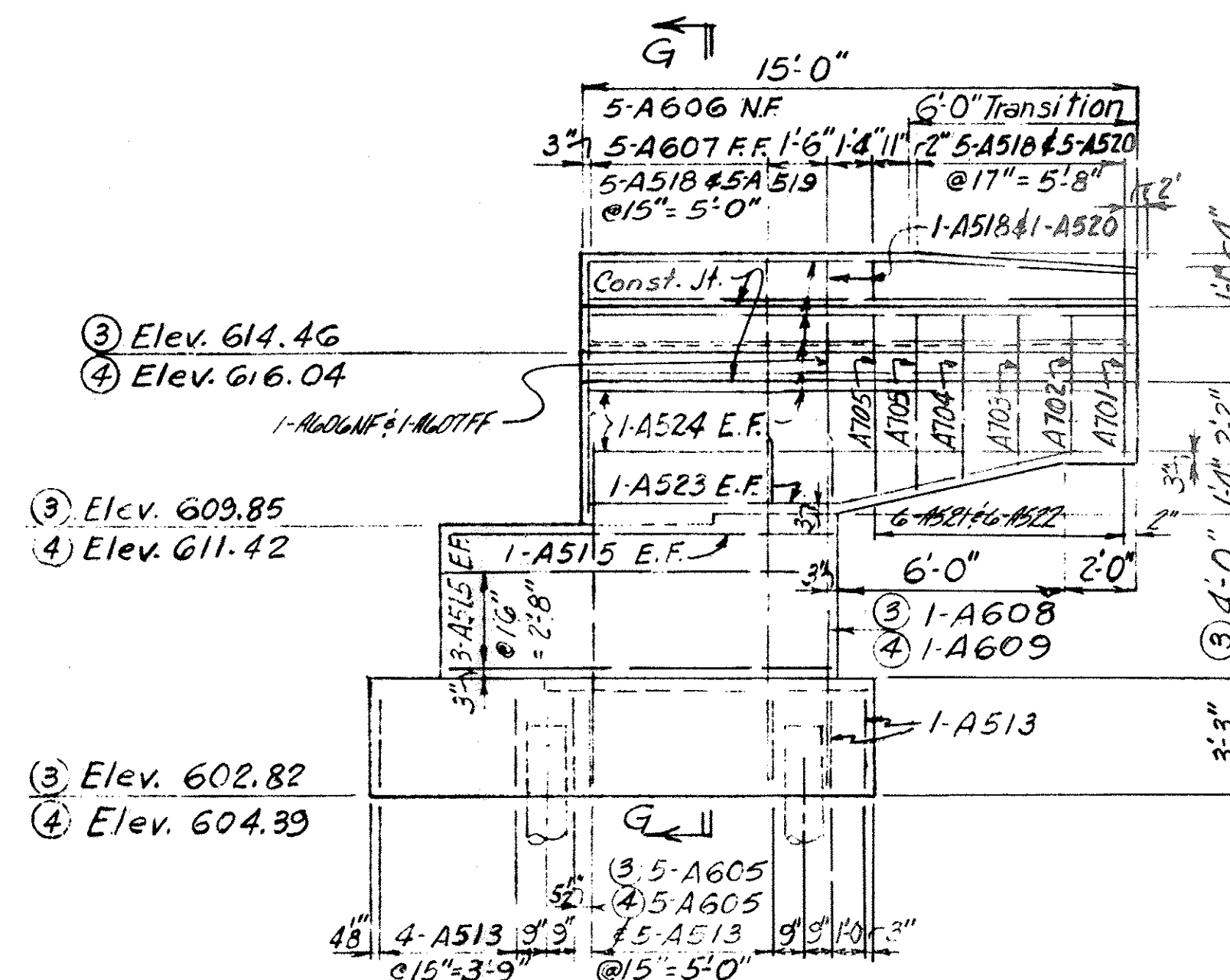
- LEGEND
- E.F. = Each Face
 - N.F. = Near Face
 - F.F. = Far Face
 - 1 = Abutment A11
 - 2 = Abutment A2R

AUBLE-MITCHELL-BURGESS & ASSOC. 4/13					
ENGINEERS AND ARCHITECTS CINCINNATI, OHIO					
WINGWALLS 1 & 2					
BRIDGE NO. MEG-7-0713 L/R					
S.R. 7 OVER S.R. 124					
MEIGS COUNTY				STA. 375 + 27.76 TO STA. 378 + 28.32	
Designed	Drawn	Traced	Checked	Reviewed	Date
PAR	PAR		LPH	LEN	10-70

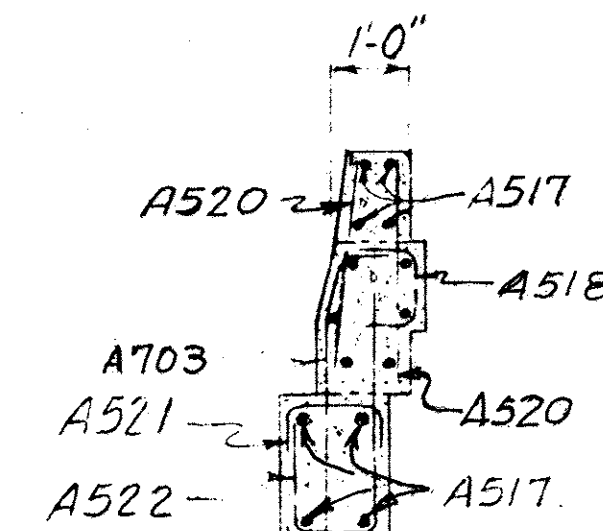
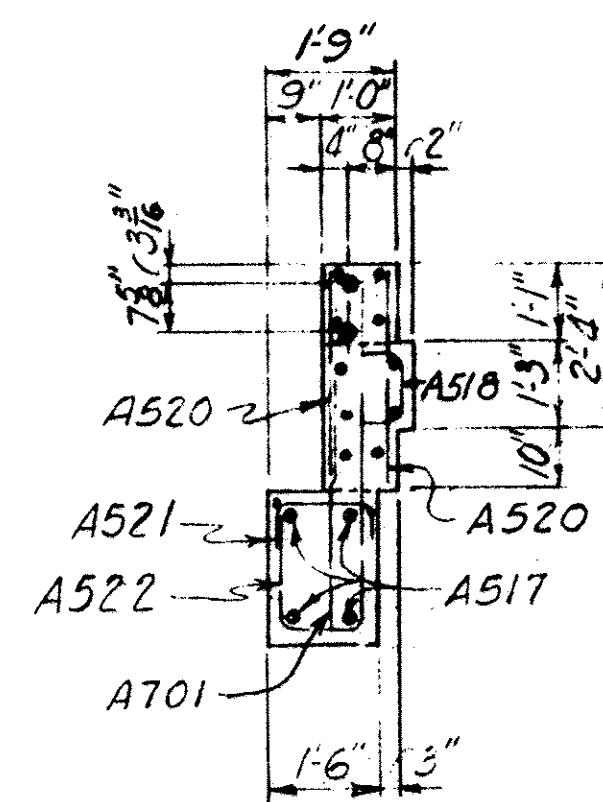
MEG-7-G.15



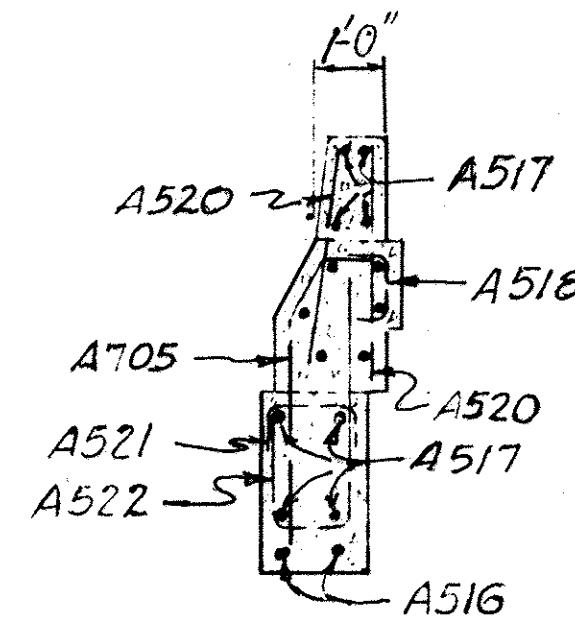
ELEVATION - WINGWALL 3



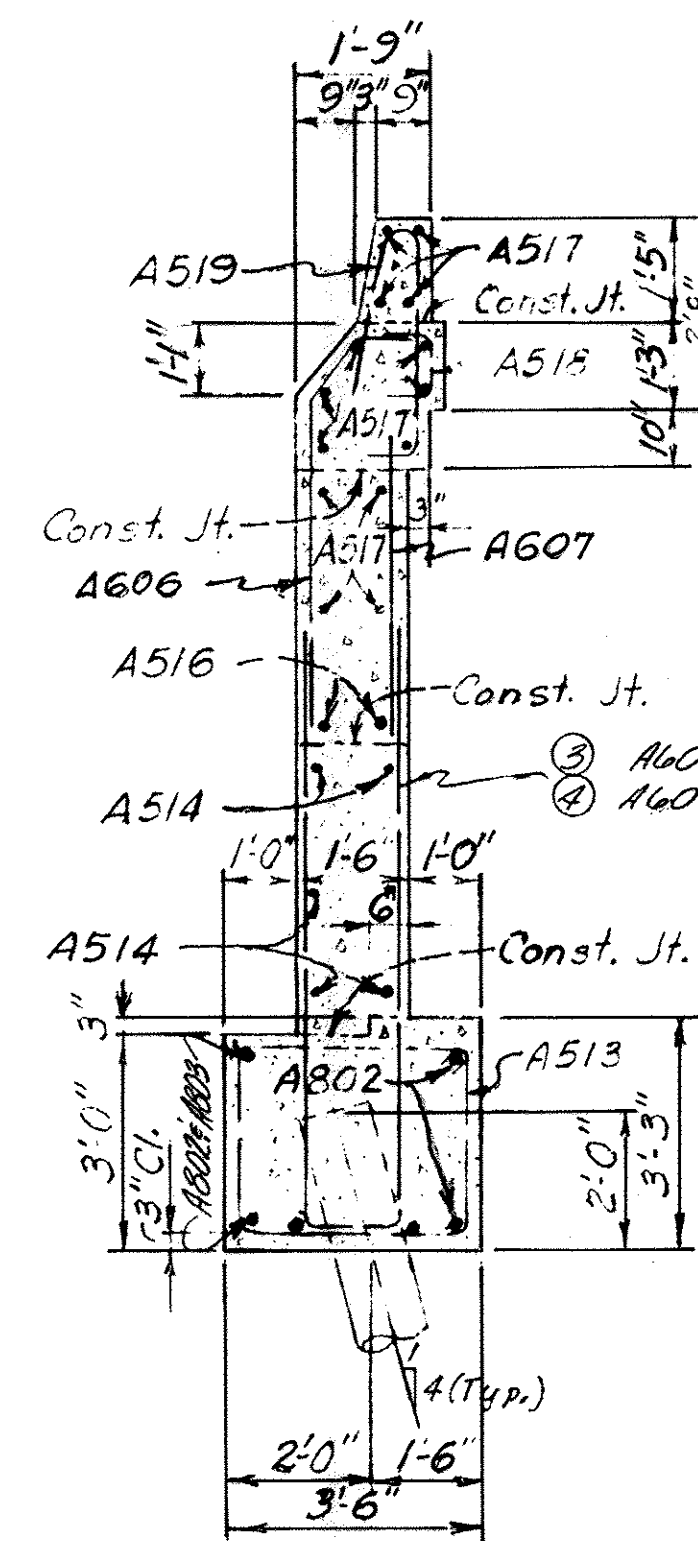
ELEVATION - WINGWALL 4



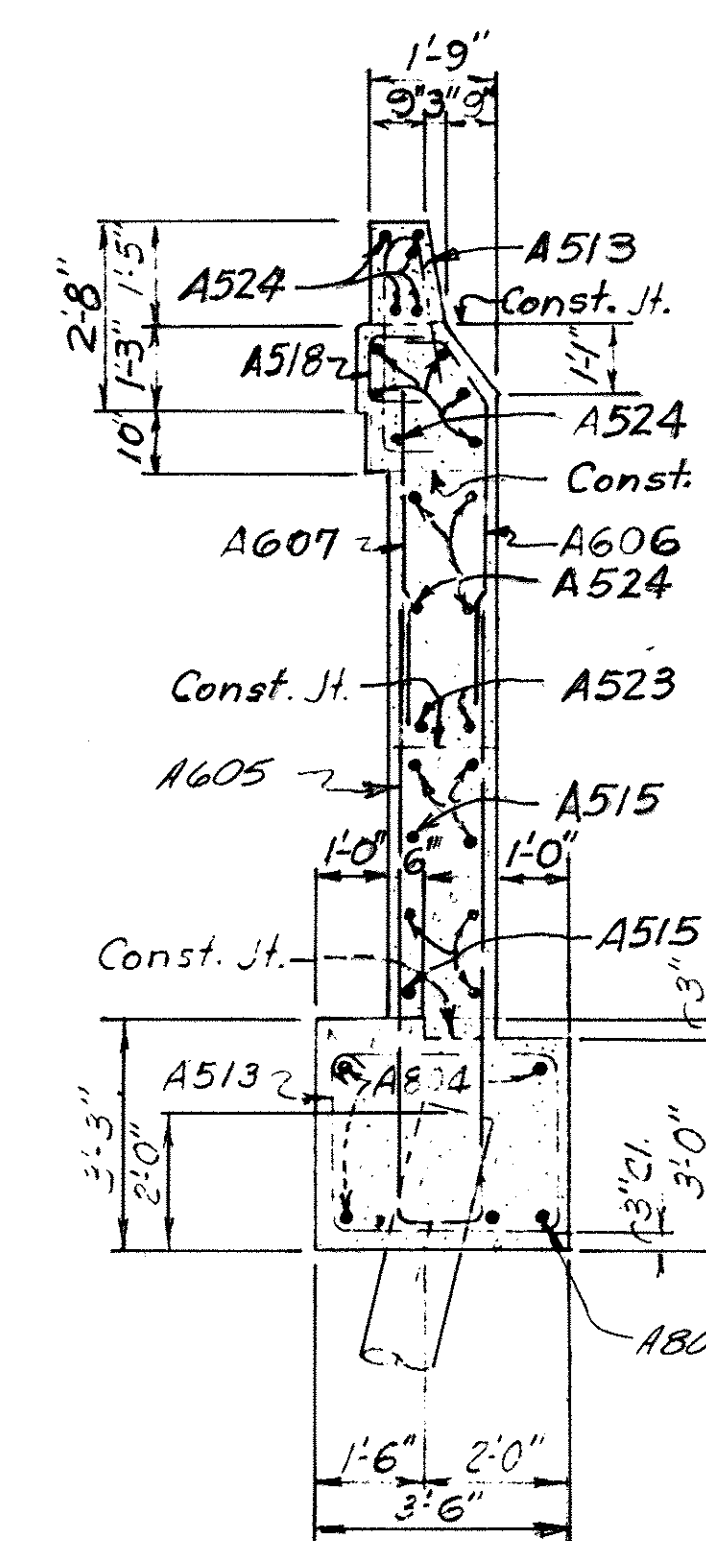
SECTION C-C



SECTION D-D



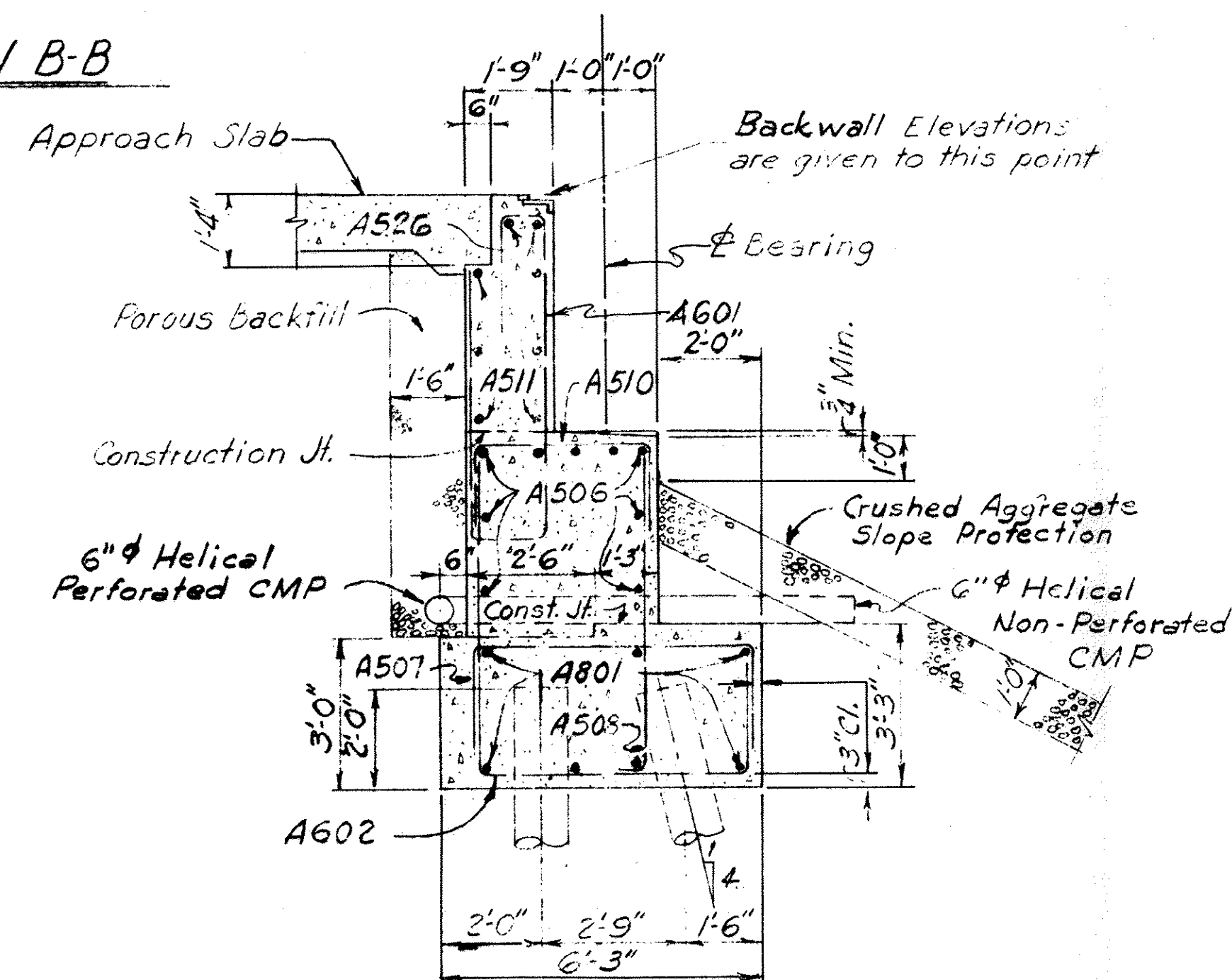
SECTION E-E



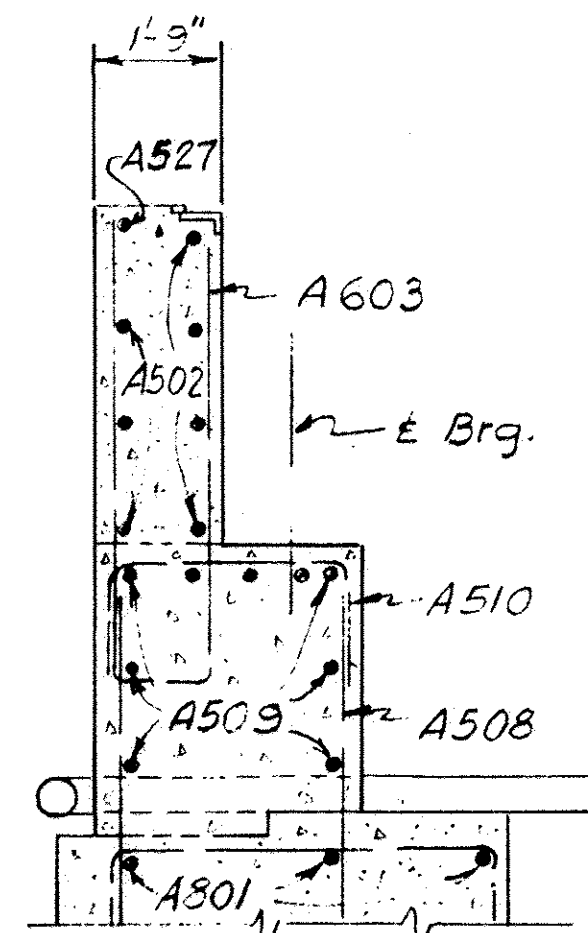
SECTION G-G

- NOTES:
1. For additional railing details see Std. DWG BR-1-67 Sh. 1 of 3
 2. For location of Sections H-H & J-J see Sh. 5
 3. For reinforcing steel list see Sh. 12
 4. For parapet transition note see sheet 4/13

VIEW B-B



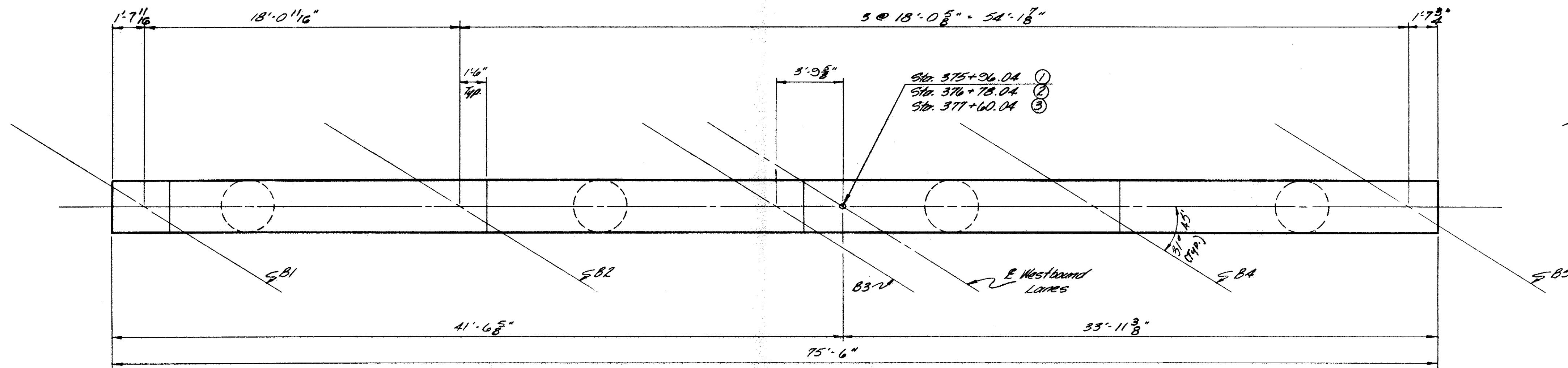
SECTION H-H



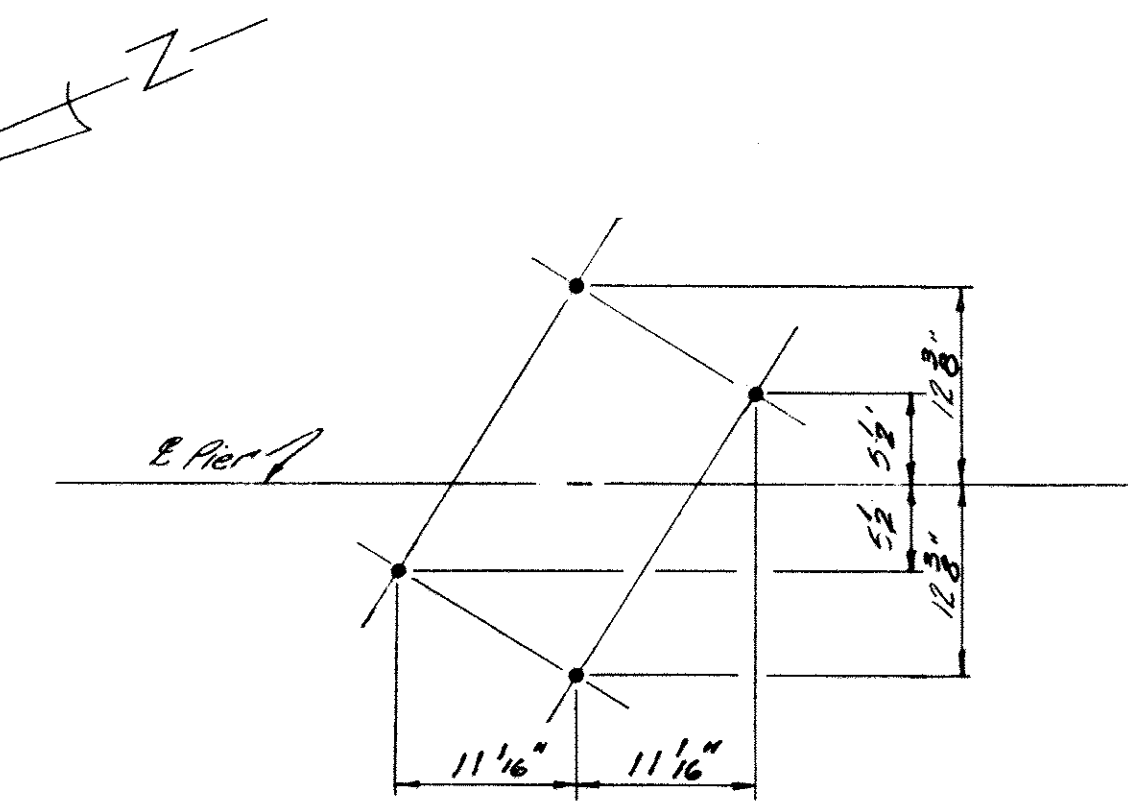
SECTION J-J

- LEGEND:
- E.F. - Each Face
 - N.F. - Near Face
 - F.F. - Far Face
 - ③ - Abut. A2L
 - ④ - Abut. A1R

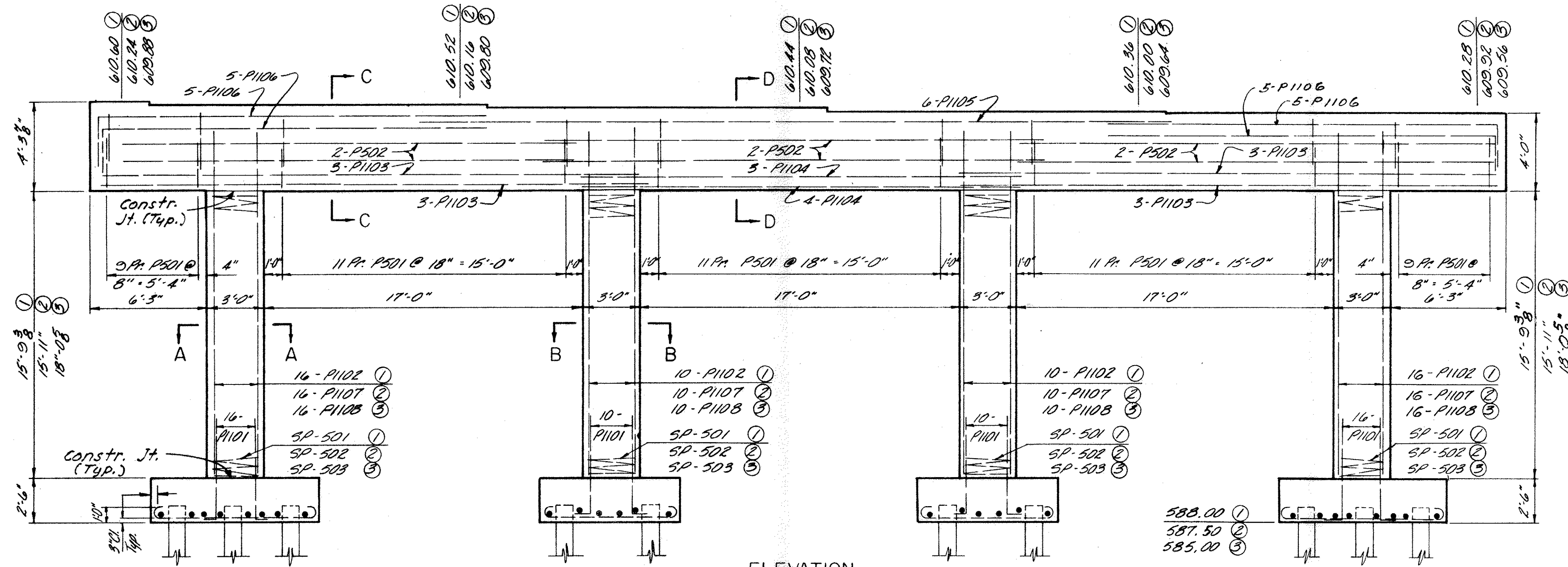
AUBLE-MITCHELL-BURGESS & ASSOC. 6/13					
ENGINEERS AND ARCHITECTS CINCINNATI, OHIO					
WINGWALLS 3 & 4					
BRIDGE NO. MEG-7-0713 L/R S.R.7 OVER S.R.124					
MEIGS COUNTY				STA. 375 + 27.76 TO STA. 378 + 28.32	
Designed PAR	Drawn DAC	Traced	Checked LPW	Reviewed LEN	Date 10-70



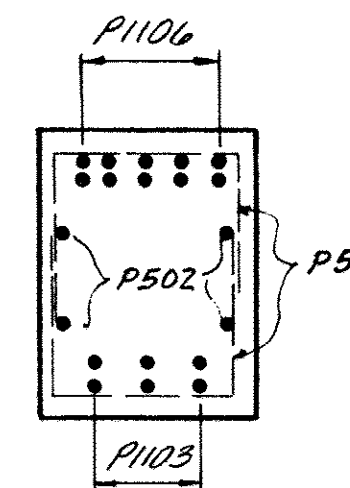
PLAN PIERS 1L, 2L, 3L



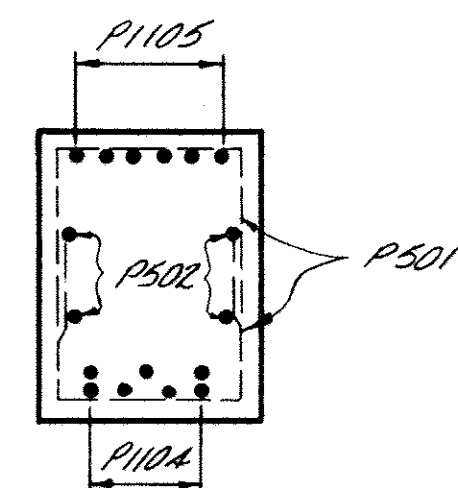
TYPICAL ANCHOR BAR
LAYOUT
PIER 2 ONLY



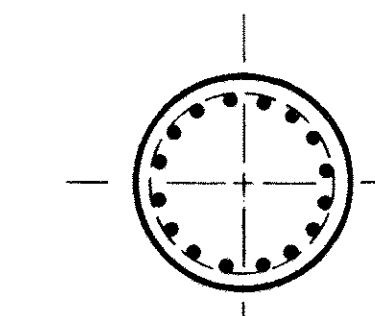
ELEVATION



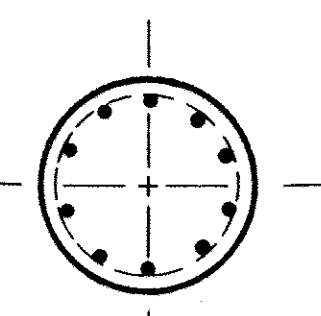
SECTION C-C



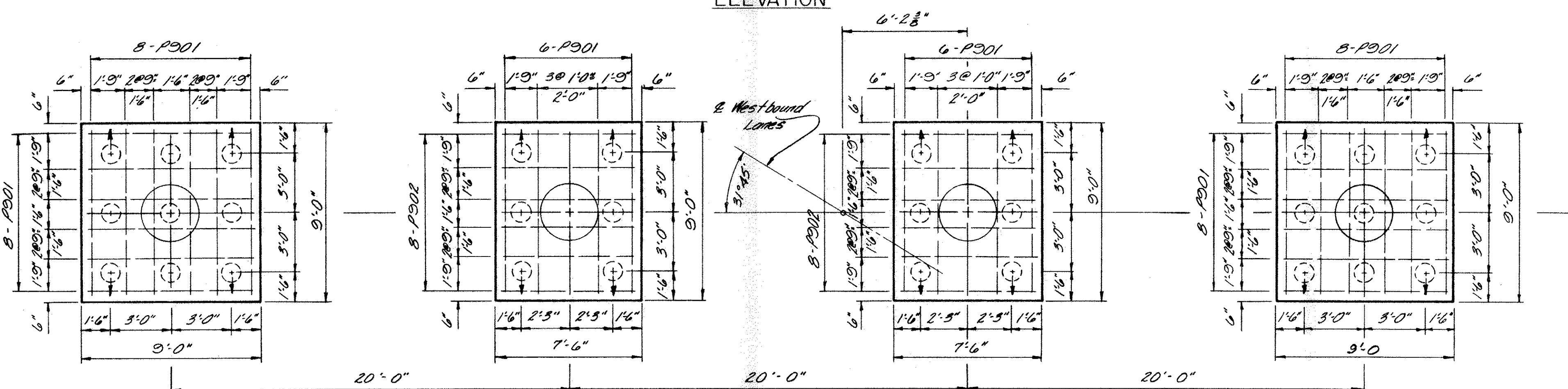
SECTION D-D



SECTION A-A



SECTION B-B

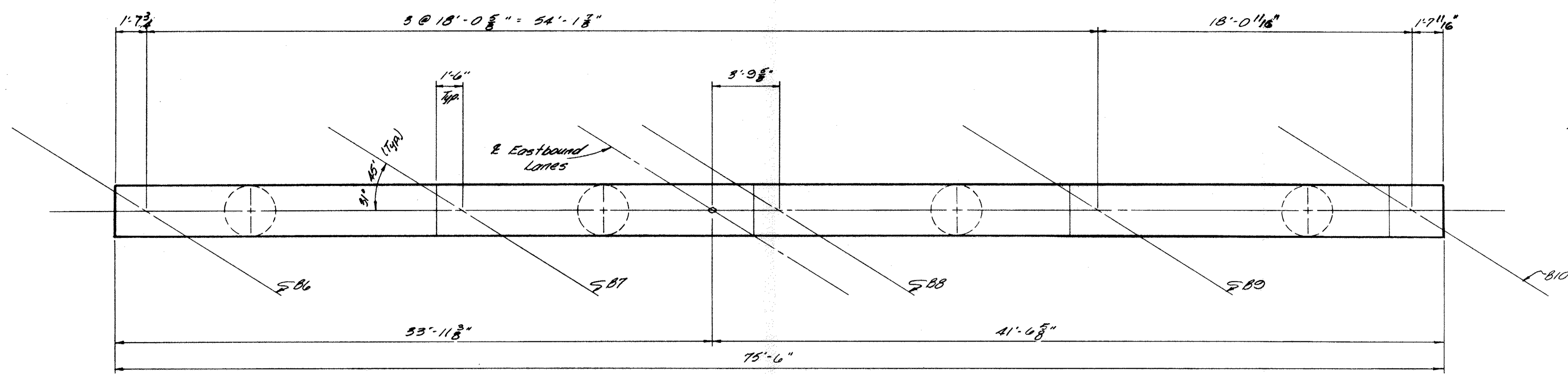


FOOTING PLAN

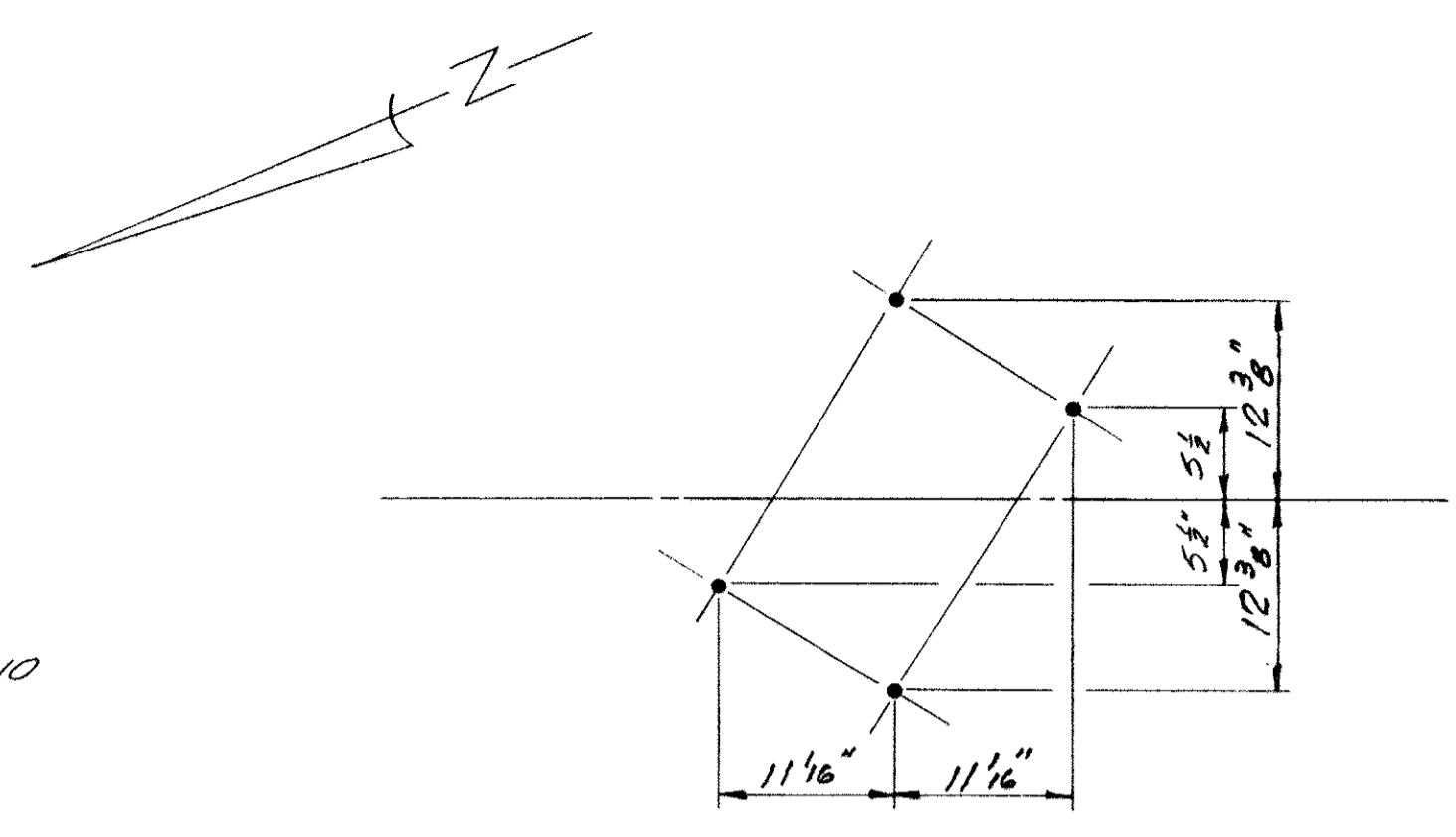
LEGEND:
 (1) Pier 1L
 (2) Pier 2L
 (3) Pier 3L
 ⊕ Indicates pile battered 1:4 in direction shown.

NOTES:
 1. Special care shall be taken in placing reinforcing steel in the vicinity of the bridge seat so as to avoid interference with the drilling of Anchor Bar Holes.
 2. For Reinforcing Steel List, see Sheet 12.

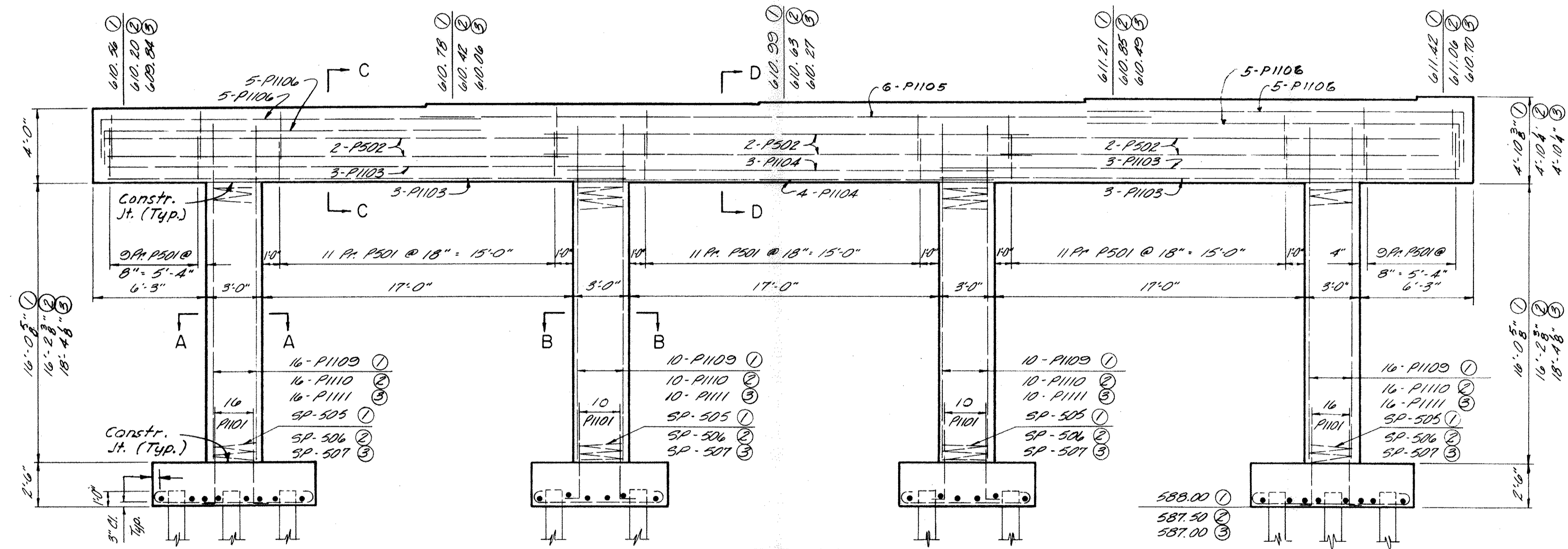
AUBLE-MITCHELL-BURGESS & ASSOC. 7/13					
ENGINEERS AND ARCHITECTS CINCINNATI, OHIO					
PIERS 1L, 2L, 3L					
BRIDGE NO. MEG-7-0713 L/R					
S.R. 7 OVER S.R. 124					
MEIGS COUNTY				STA. 375 + 27.76 TO STA. 378 + 28.32	
Designed	Drawn	Traced	Checked	Reviewed	Date
ERB	DAC		ERB	LEN	10-70



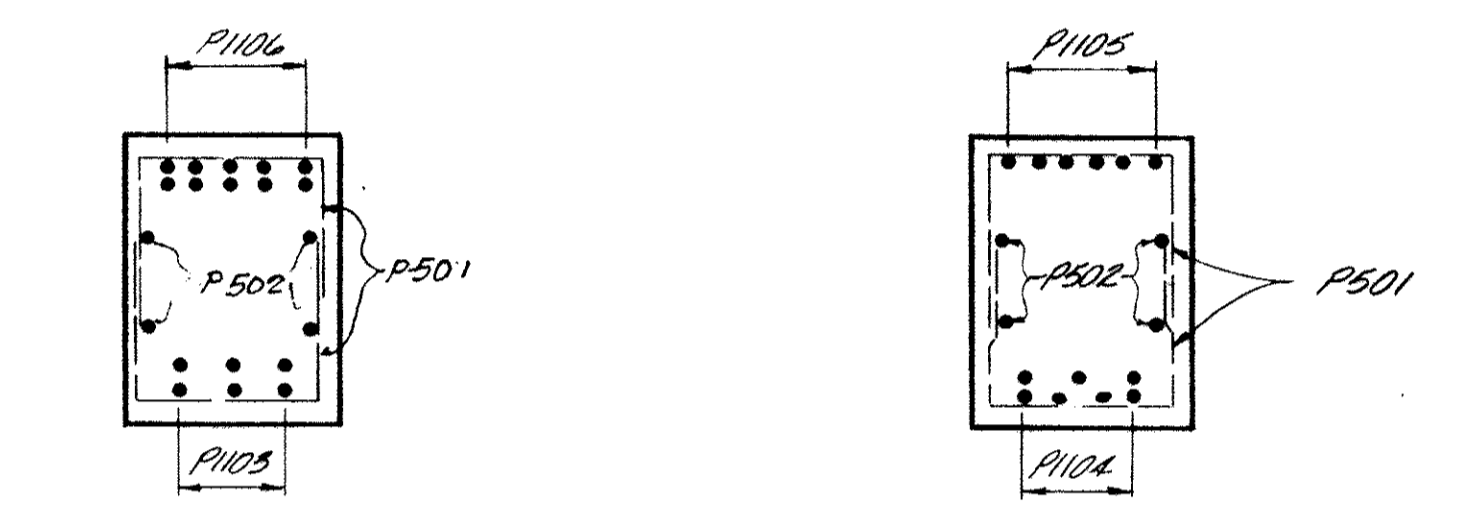
PLAN PIERS 1R, 2R, 3R



TYPICAL ANCHOR BAR
LAYOUT
PIER 2 ONLY

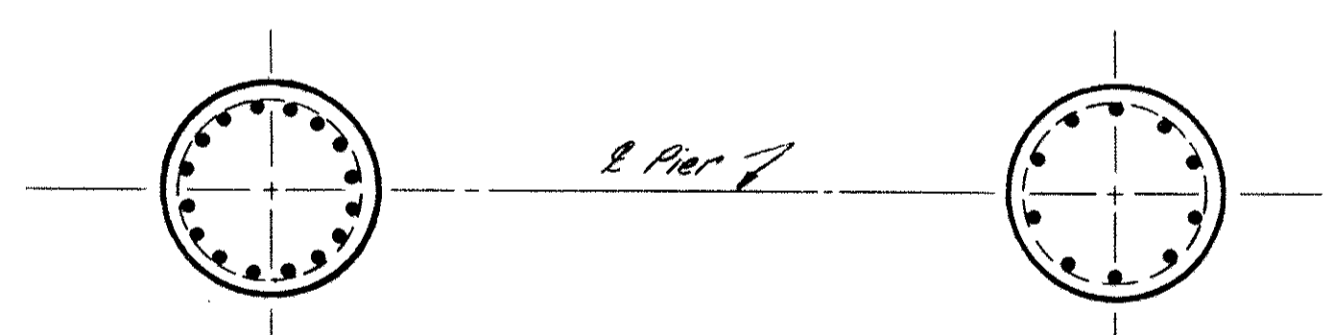


ELEVATION



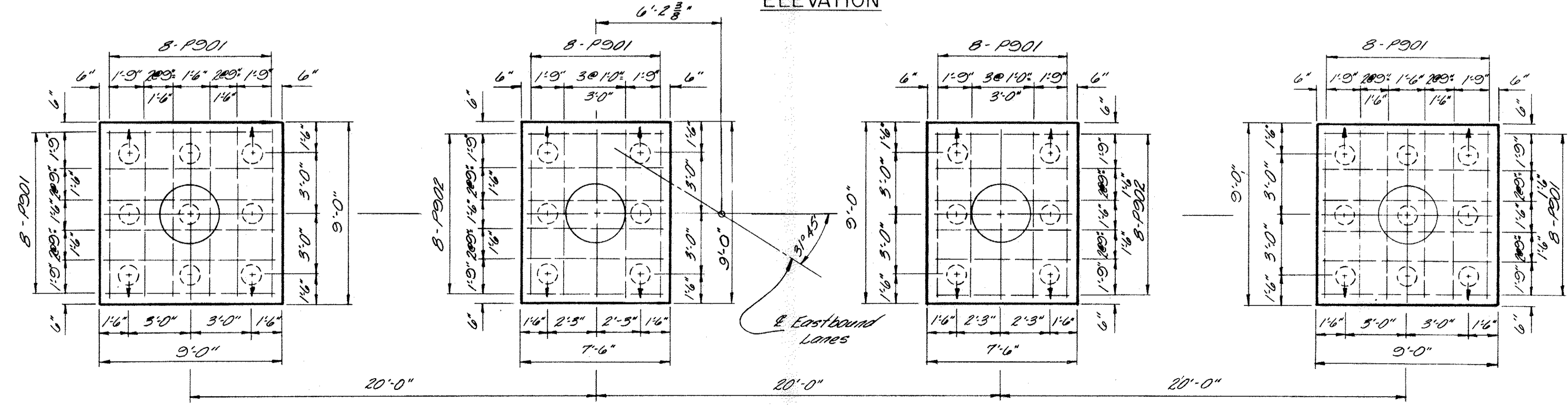
SECTION C-C

SECTION D-D



SECTION A-A

SECTION B-B

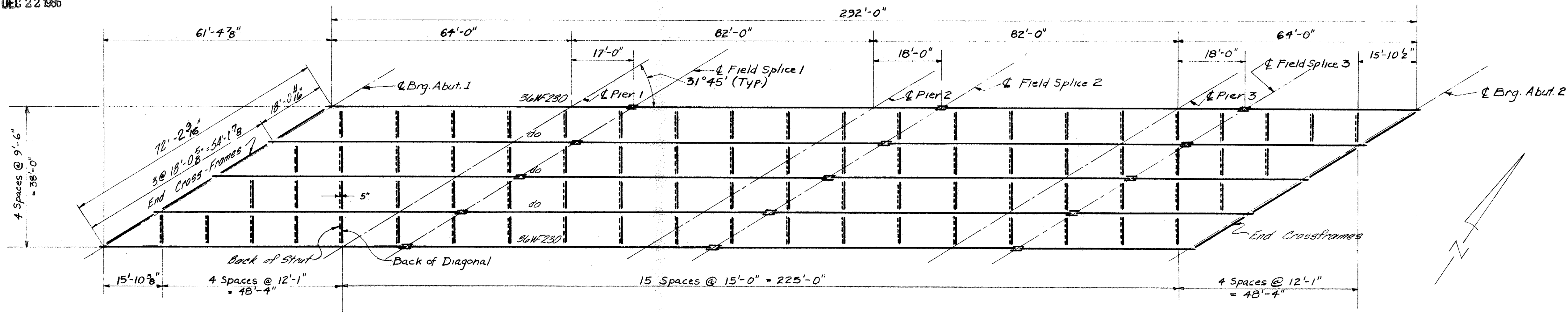


FOOTING PLAN

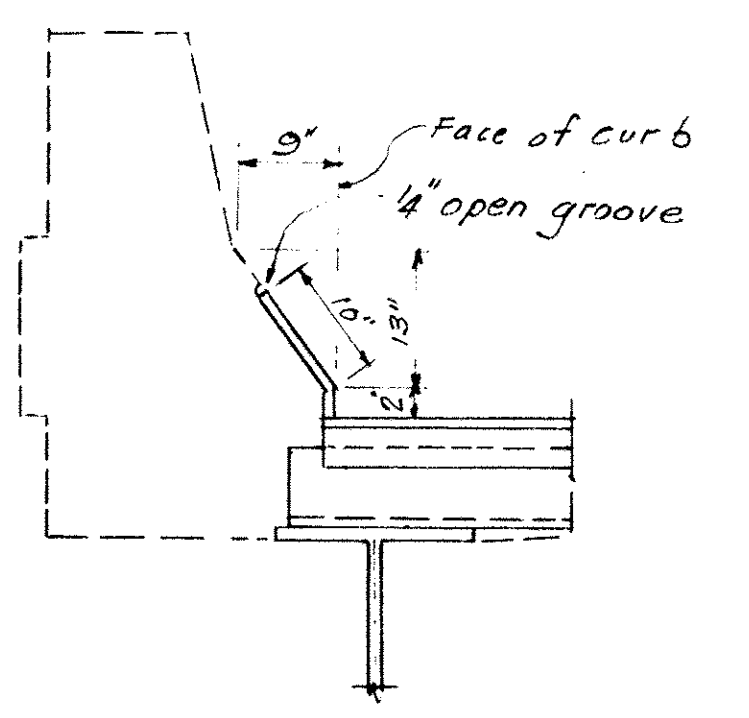
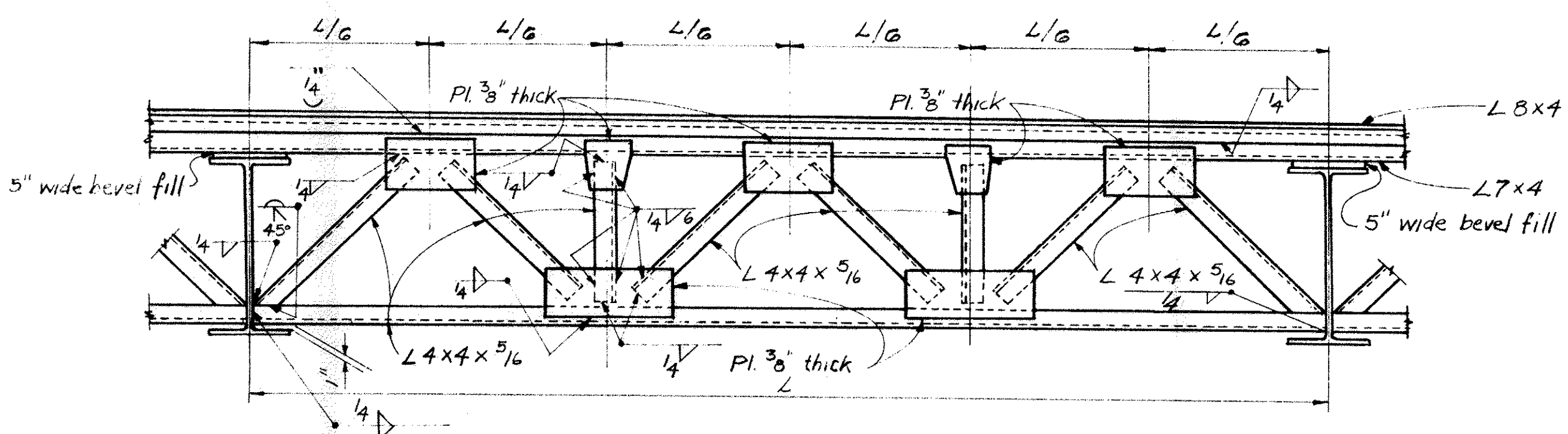
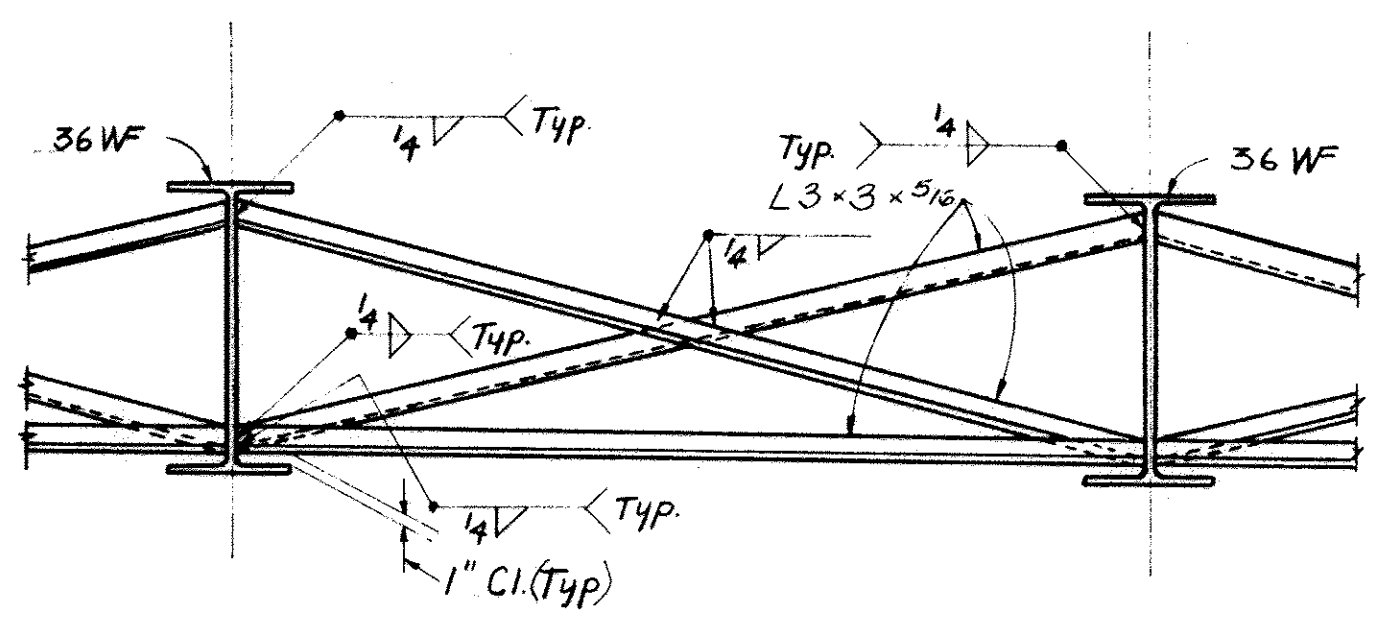
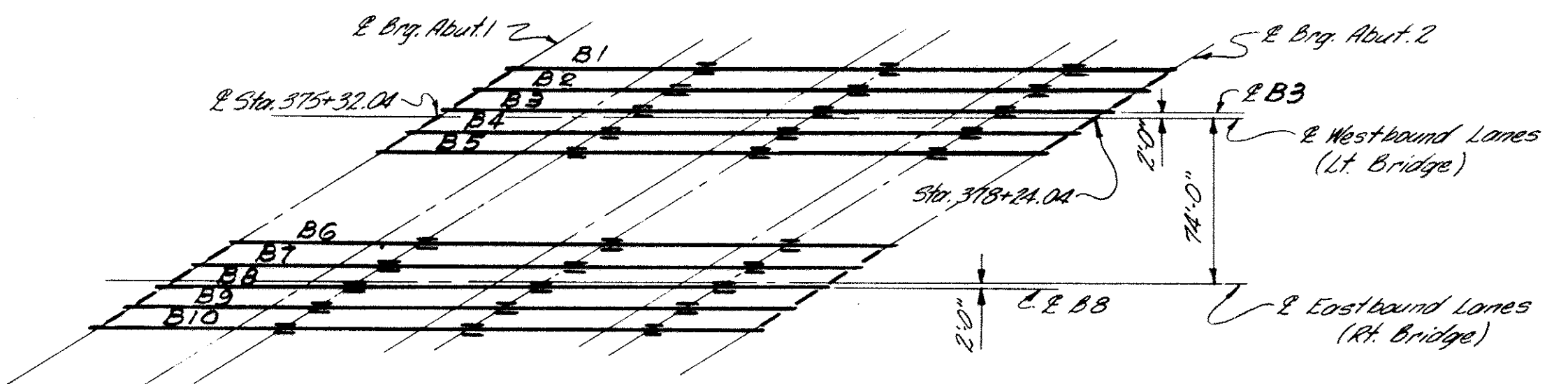
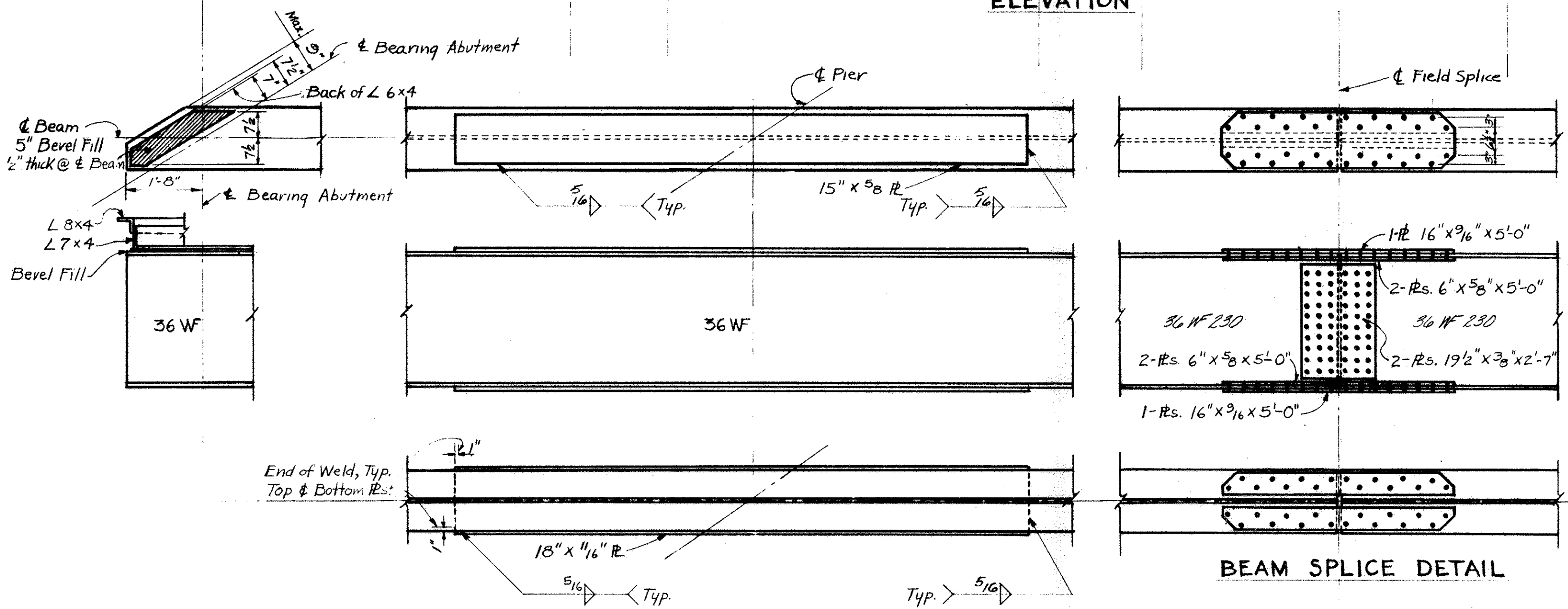
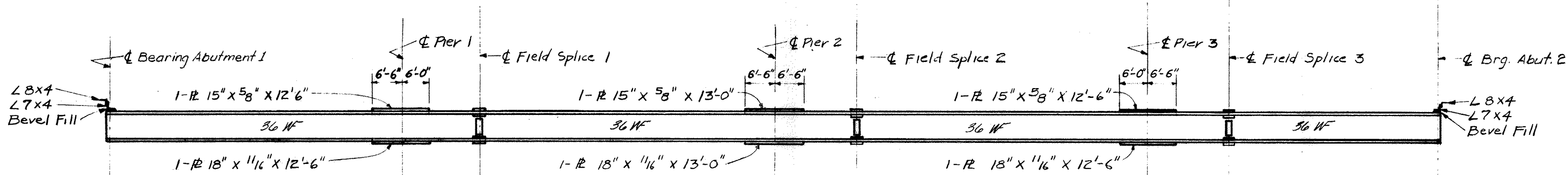
LEGEND:
 ① Pier 1R
 ② Pier 2R
 ③ Pier 3R
 Indicates pile battered 1:4 in direction shown.

NOTES:
 1. Special care shall be taken in placing reinforcing steel in the vicinity of the bridge seat so as to avoid interference with the drilling of Anchor Bar Holes.
 2. For Reinforcing Steel List, see Sheet 12.

AUBLE-MITCHELL-BURGESS & ASSOC. 8/13			
ENGINEERS AND ARCHITECTS CINCINNATI, OHIO			
PIERS 1R 2R 3R			
BRIDGE NO. MEG-7-0713 1/2 S.R. 7 OVER S.R. 124			
MEIGS COUNTY		STA. 375 + 27.76 TO STA. 378 + 28.32	
Designed ERB	Drawn DAC	Traced ERB	Checked LEN 10-70



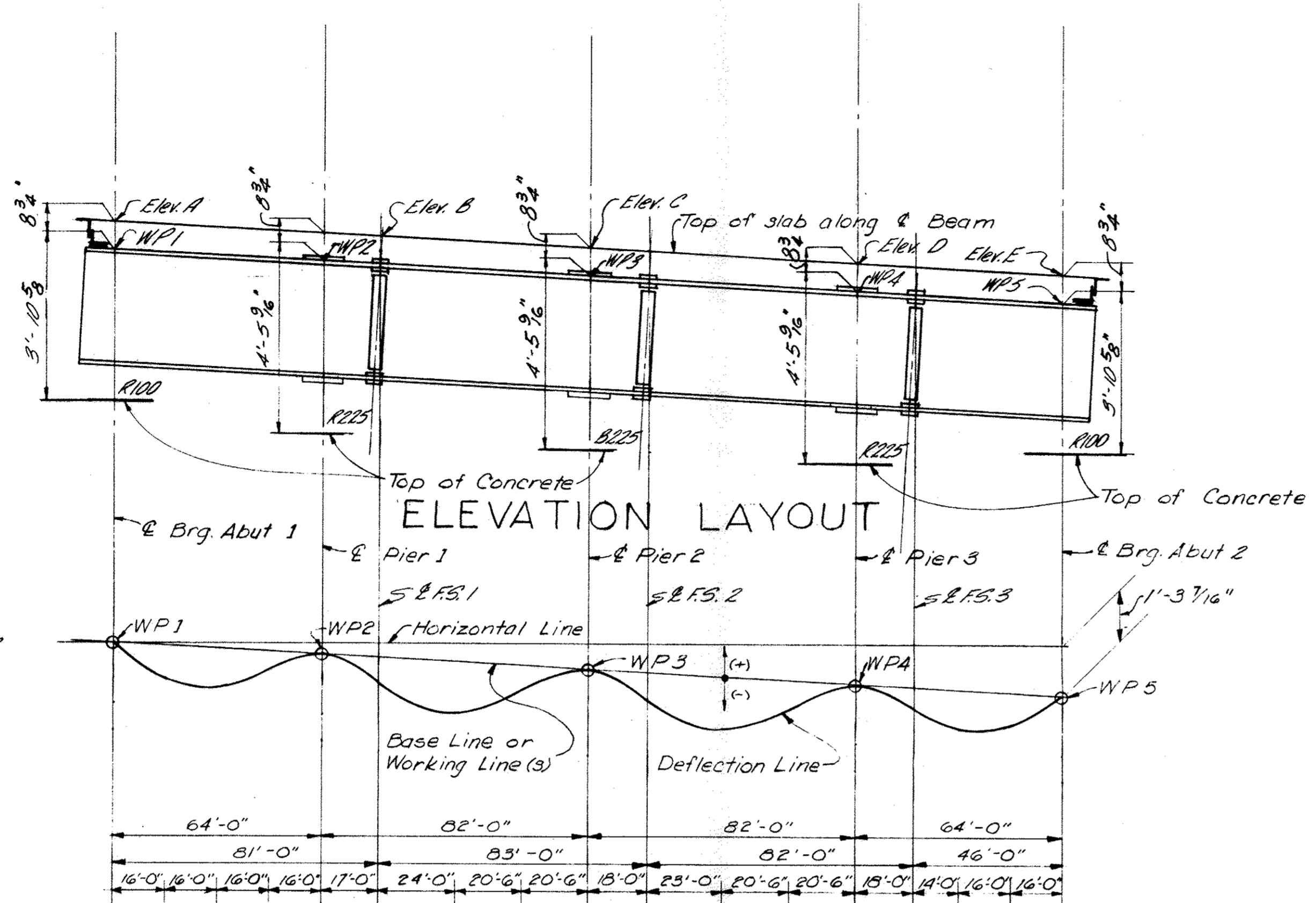
- NOTES:
- 1 For End Crossframe & End Dam Details, see Std. Dwg. SD-1-69, Sheet 1 of 4.
 - 2 For Curb Plate Details at End Dam, see Std. Dwg. SD-1-69, Sheet 2 of 4.
 - 3 For Racker & Bolster Details, see Std. Dwg. RB-1-55.
 - 4 For additional details of Field Splices, see Std. Dwg. SD-1-69, Sheet 4 of 4.
 - 5 For Scribed Elevations, see Sheet 11.
 - 6 For Stagger Location, see Sheet 11.
 - 7 For Standard Scupper Details, see Std. Dwg. SD-1-69, Sheet 3 of 4.
 - 8 All centerline bearings, field splices & crossframes are normal to baseline.
 - 9 For Field Splices, all holes shall be 1/4" dia for 1" dia High Strength Bolts.
 - 10 For Elevation Layout & Deflection & Camber Table see Sheet 10.



AUBLE-MITCHELL-BURGESS & ASSOC. 9/13
 ENGINEERS AND ARCHITECTS
 CINCINNATI, OHIO

FRAMING PLAN
 BRIDGE NO MEG-7-0713 L/R
 S.R. 7 OVER SR.124
 MEIGS COUNTY STA. 375+27.76 TO
 STA. 378+28.32

Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
ERB	JDR		ERB	LEN	10-70	



- NOTES:
- 1 Work Points are given at top of beam (WP).
 - 2 Working Lines are straight lines between indicated Work Points.
 - 3 Base Line is a straight line between WP1 & WP5 and is coincidental with Working Lines between Work Points.
 - 4 Tabulated Values in the Deflection and Camber Table shall be measured from the Working Lines.

TABLE OF ELEVATIONS

BEAM	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E
B1	616.075	615.793	615.432	615.071	614.790
B2	615.394	615.712	615.352	614.991	614.709
B3	615.213	615.631	615.270	614.909	614.628
B4	615.833	615.551	615.190	614.829	614.548
B5	615.752	615.470	615.110	614.749	614.467
B6	616.036	615.755	615.394	615.033	614.752
B7	616.252	615.971	615.610	615.249	614.967
B8	616.464	616.183	615.822	615.461	615.180
B9	616.684	616.402	616.041	615.681	615.399
B10	616.899	616.618	616.257	615.896	615.615

Deflection due to Weight of Steel	0	-1/16	-1/16	0	0	-1/16	-1/16	-1/16	0	-1/16	-1/16	-1/16	0	0	-1/16	-1/16	0
Deflection due to remaining dead load	0	-1/4	-5/16	-3/16	0	-3/16	-7/16	-3/16	0	-3/16	-7/16	-1/4	0	-3/16	-1/4	-1/4	0
Required Shop Camber	0	+3/16	+3/8	+3/16	0	+1/4	+1/2	+1/4	0	+1/4	+1/2	+3/16	0	+3/16	+3/8	+3/16	0

DEFLECTION & CAMBER

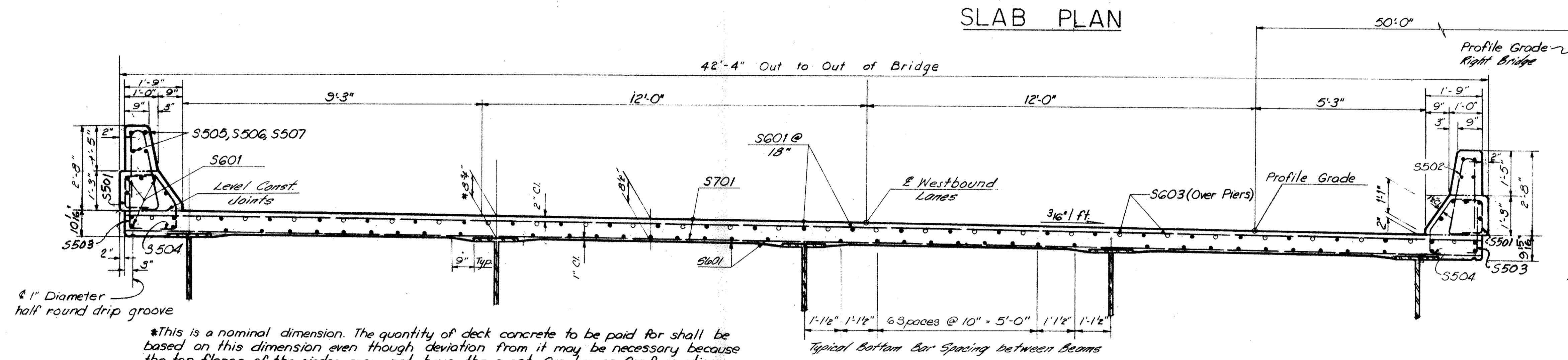
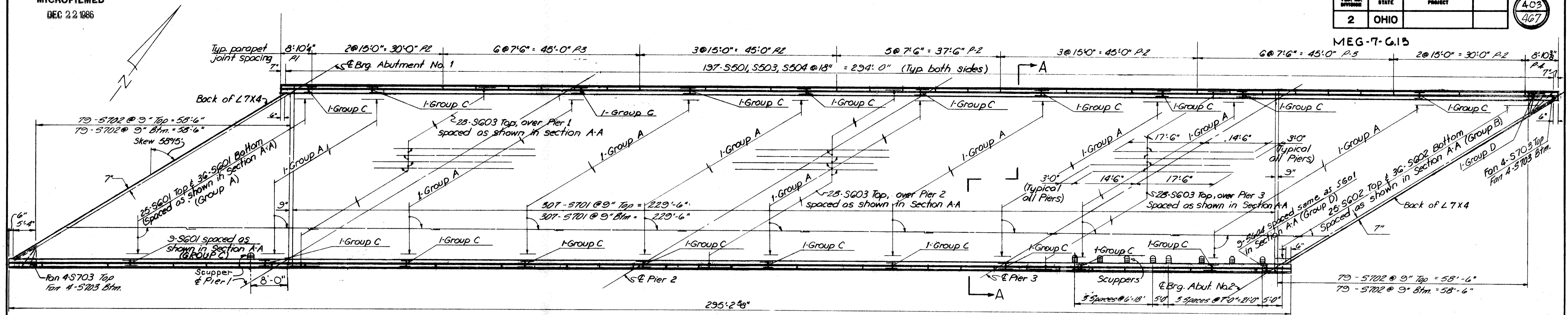
NOTE:
For Framing Plan and additional notes see sh. 9

AUBLE-MITCHELL-BURGESS & ASSOC. ENGINEERS AND ARCHITECTS CINCINNATI, OHIO 10/13

FRAMING PLAN DETAILS

BRIDGE NO. MEG-7-0713 L/R
S.R. 7 OVER S.R. 124
MEIGS COUNTY STA. 375+27.76 TO STA. 378+28.32

Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
ERB	DAC		ERB	LEN	10-70	



PANEL NO.	REQ'D	LENGTH
P1	2	8'-10 1/4"
P2	20	15'-0"
P3	34	7'-6"
P4	2	8'-10 3/8"

PARAPET PANELS

- NOTES:
- Deck Slab Haunch: A typical haunch width of 9" shall be used for computing quantity of concrete. However the haunch width may vary between 6" & 12" provided that the slope shall be not more than 1:4 for a haunch less than 9" in width.
 - Spread or Cut Reinforcing Steel in slab to clear Scuppers.
 - Slab thickness includes 1" for monolithic wearing surfaces.
 - For End Dam & Curb Plate details, see Std. Dwg. 5D-1-69, Sheets 1 & 2 of 4.
 - For Reinforcing Steel List & Bar Bending Details, see Sheet 12 & 13.
 - For Scupper Details, see Std. Dwg. 5D-1-69, Sheet 3 of 4.
 - For Railing & Parapet Joint Details, see Std. Dwg. BR-1-67, Sheet 1 of 3.
 - Scupper spacing applies to both bridges, place scuppers along low gutter.

*This is a 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. Deduction shall be made for volume of encased steel plates as per Sec. 511.18 of the Construction and Material Specifications.

STATION	Profile Grade	LEFT BRIDGE		RIGHT BRIDGE	
		Left Curb Line	Right Curb Line	Left Curb Line	Right Curb Line
373 + 75	616.40	-	-	-	-
374 + 00	616.20	-	-	-	616.81
+ 25	616.18	-	-	-	616.70
+ 50	616.07	-	-	615.99	616.59
+ 75	615.96	-	-	615.88	616.48
375 + 00	615.85	-	-	615.77	616.37
+ 25	615.74	-	615.66	615.66	616.26
+ 50	615.63	-	615.55	615.55	616.15
+ 75	615.52	616.04	615.44	615.44	616.04
376 + 00	615.41	615.93	615.33	615.33	615.93
+ 25	615.30	615.82	615.22	615.22	615.82
+ 50	615.19	615.71	615.11	615.11	615.71
+ 75	615.08	615.60	615.00	615.00	-
377 + 00	614.97	615.49	614.89	614.89	-
+ 25	614.86	615.38	614.78	614.78	-
+ 50	614.75	615.27	614.67	-	-
+ 75	614.64	615.16	614.56	-	-
378 + 00	614.53	615.05	-	-	-
+ 25	614.42	614.94	-	-	-
+ 50	614.31	614.83	-	-	-

Point	4 Equal Spaces				4 Equal Spaces				4 Equal Spaces				4 Equal Spaces			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
West Bound (L/R Bridge) Left Curb	616.08	616.03	615.96	615.88	615.80	615.73	615.65	615.54	615.43	615.36	615.29	615.18	615.07	615.02	614.96	614.89
West Bound (L/R Bridge) Right Curb	615.75	615.70	615.63	615.55	615.47	615.40	615.32	615.22	615.11	615.04	614.96	614.86	614.75	614.63	614.56	614.47
East Bound (Rt. Bridge) Left Curb	616.05	615.98	615.92	615.83	615.75	615.68	615.60	615.49	615.39	615.31	615.24	615.14	615.03	614.97	614.91	614.84
East Bound (Rt. Bridge) Right Curb	616.31	616.26	616.19	616.11	616.02	615.95	615.88	615.77	615.66	615.59	615.51	615.41	615.30	615.24	615.17	615.12

SCREED ELEVATIONS
(Adjusted For Slab Deflections)

AUBLE-MITCHELL-BURGESS & ASSOC.
ENGINEERS AND ARCHITECTS
CINCINNATI, OHIO

SUPERSTRUCTURE
ROADWAY SLAB
BRIDGE NO MEG-7-0713 L/R
SR.7 OVER SR.124

MEIGS COUNTY STA. 375+27.76 TO
STA. 378+28.32

Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
ERB	JHD		ERB	LEN	10-70	

MICROFILMED
DEC 2 1986

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

404
467

MEG-7-G.15

NOTES

1. BAR SIZE IS INDICATED IN THE BAR MARK. THE FIRST DIGIT WHERE THREE DIGITS ARE USED AND THE FIRST TWO DIGITS WHERE FOUR ARE USED, INDICATE THE BAR SIZE NUMBER.
 2. SPIRAL REINFORCING BARS: THE "LENGTH" SHOWN IN THE STEEL LIST FOR THE SPIRAL BARS IS THE DISTANCE FROM TOP OF THE FOOTING TO THE BOTTOM OF CAP, OR TO WITHIN 2" (+) OF THE TOP OF COLUMN FOR PIERS WITHOUT CAPS, TO THE NEAREST INCH.
- FOUR STEEL CHANNEL, TEE OR ANGLE SPACERS WEIGHING APPROXIMATELY 0.80 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 0.80 LB. PER LIN. FT., WILL BE PAID FOR AS REINFORCING STEEL AND IS INCLUDED IN THE TABULATED QUANTITY OF SPIRAL BARS.
3. SEE SHEET 13 FOR BENDING DETAILS.

ABUTMENTS				PIERS				SUPERSTRUCTURE				REPLACEMENT BARS																
MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	MARK	NO.	LENGTH	TYPE WEIGHT	
A501	24	4'-0"	Str 100	P501	612	9'-9"	Str 6224	S501	788	2'-0"	Str 1644	RE5	3	6'-7"	Str													
A502	56	22'-10"	Str 1334	P502	72	26'-11"	Str 1359	S502	788	5'-4"	Str 4383	RE6	6	6'-11"	Str													
A503	2	24'-11"	Str 52					S503	788	2'-5"	Str 1849	RE7	7	7'-3"	Str													
A504	2	20'-0"	Str 42					S504	788	3'-2"	Str 2603	RE8	1	7'-6"	Str													
A505	2	12'-0"	Str 25					S505	32	8'-6"	Str 284	RE9	1	7'-10"	Str													
A506	36	29'-4"	Str 1101					S506	160	14'-8"	Str 2448	RE11	5	8'-7"	Str													
A507	228	8'-3"	Str 1962					S507	272	7'-2"	Str 2033																	
A508	224	7'-0"	Str 1635																									
A509	72	23'-10"	Str 1790																									
A510	280	6'-4"	Str 1850																									
A511	28	31'-10"	Str 930	P501	264	11'-0"	Str 9874																					
A512	2	24'-4"	Str 51	P502	36	9'-6"	Str 3101																					
A513	112	11'-7"	Str 1353																									
A514	24	17'-0"	Str 426																									
A515	82	10'-7"	Str 353					S601	1580	30'-0"	Str 7195																	
A516	8	21'-10"	Str 182					S602	122	14'-0"	Str 2565																	
A517	56	23'-8"	Str 1382					S603	168	32'-0"	Str 8075																	
A518	124	2'-0"	Str 259					S604	36	15'-0"	Str 811																	
A519	68	6'-4"	Str 449																									
A520	112	3'-0"	Str 350																									
A521	48	2'-3"	Str 113	P101	312	7'-0"	Str 11604																					
A522	48	6'-2"	Str 309	P102	52	19'-4"	Str 5341																					
A523	8	19'-8"	Str 114	P103	72	29'-4"	Str 11221																					
A524	56	14'-8"	Str 857	P104	42	23'-7"	Str 5263																					
A525	2	39'-4"	Str 82	P105	36	40'-0"	Str 7651	S701	1228	41'-8"	Str 106585																	
A526	2	16'-10"	Str 35	P106	120	24'-0"	Str 15301	S702	632	4'-8" to 4'-0" by 5'-2" to 8'-0"	Str 29120																	
A527	2	10'-0"	Str 21	P107	52	15'-6"	Str 5387	S703	32	4'-0"	Str 262																	
A528	2	32'-5"	Str 68	P108	52	21'-8"	Str 5986																					
				P109	52	19'-8"	Str 5433																					
				P110	52	19'-9"	Str 5456																					
				P111	52	21'-11"	Str 6055																					
AG01	184	15'-5"	Str 4261																									
AG02	228	14'-1"	Str 4823																									
AG03	108	13'-8"	Str 2217																									
AG04	8	3'-0"	Str 108																									
AG05	48	19'-0"	Str 1370	S801	4	15'-9"	Str 2350																					
AG06	76	6'-2"	Str 704	S802	4	15'-11"	Str 2374																					
AG07	76	5'-7"	Str 637	S803	4	18'-1"	Str 2643																					
AG08	6	19'-8"	Str 177	S804	4	16'-0"	Str 2386																					
AG09	18	20'-8"	Str 559	S805	4	16'-2"	Str 2010																					
				S806	4	18'-4"	Str 2719																					
AT01	8	5'-0"	Str 82																									
AT02	12	4'-9"	Str 117																									
AT03	8	4'-11"	Str 80																									
AT04	8	5'-6"	Str 90																									
AT05	12	6'-1"	Str 149																									
AB01	56	40'-0"	Str 5981																									
AB02	24	20'-3"	Str 1298																									
AB03	8	7'-3"	Str 155																									
AB04	20	13'-5"	Str 716																									
AB05	4	10'-6"	Str 112																									

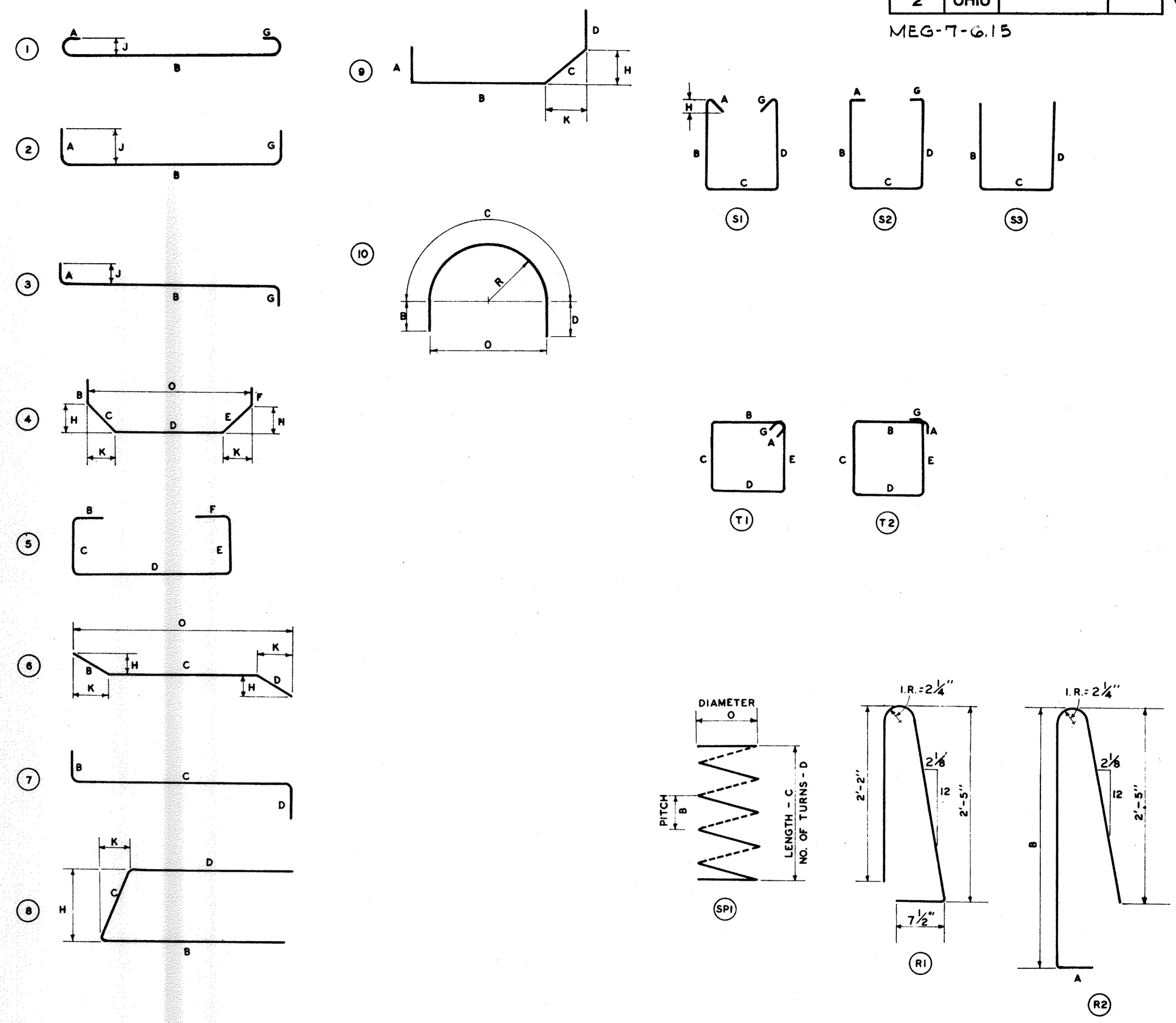
AUBLE-MITCHELL-BURGESS & ASSOC. 12/13
ENGINEERS AND ARCHITECTS
CINCINNATI, OHIO

REINFORCING STEEL LIST
BRIDGE NO. MEG-7-0713 L/R
S.R. 7 OVER S.R. 124
MEIGS COUNTY STA. 375 + 27.76 TO
STA. 378 + 28.32

Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
					LEN 10-70	

MEG-7-G.15

MARK	TYPE	DIMENSIONS FOR BENDING											
		A	B	C	D	E	F	G	H	J	K	R	O
A507	5	-	-	1'-7"	5'-4"	1'-7"	-	-	-	-	-	-	-
A508	2	0'-6"	6'-6"	-	-	-	-	-	-	-	-	-	-
A510	5	-	-	1'-7"	3'-5"	1'-7"	-	-	-	-	-	-	-
A513	T2	0'-5"	3'-0"	2'-6"	3'-0"	2'-6"	-	0'-5"	-	-	-	-	-
A516	6	-	6'-0"	15'-10"	-	-	-	-	1'-8"	5'-9"	-	-	-
A518	2	0'-6"	1'-0"	-	-	-	-	0'-6"	-	-	-	-	-
A519	R2	0'-6"	3'-2"	-	-	-	-	0'-6"	-	-	-	-	-
A521	2	0'-6"	1'-3"	-	-	-	-	0'-6"	-	-	-	-	-
A522	5	-	1'-8"	1'-3"	3'-6"	-	-	-	-	-	-	-	-
A523	6	-	6'-10"	6'-10"	-	-	-	-	1'-6"	6'-8"	-	-	-
A601	5	-	5'-2"	1'-5"	6'-3"	0'-11"	2'-0"	-	-	-	-	-	-
A602	5	-	2'-6"	5'-4"	6'-7"	-	-	-	-	-	-	-	-
A603	5	-	6'-4"	1'-5"	6'-3"	-	-	-	-	-	-	-	-
A605	5	-	9'-1"	1'-2"	9'-1"	-	-	-	-	-	-	-	-
A606	9	-	4'-3"	1'-2"	0'-9"	-	-	0'-9"	-	0'-11 1/2"	-	-	-
A608	5	-	3'-5"	1'-2"	9'-5"	-	-	-	-	-	-	-	-
A609	5	-	9'-11"	1'-2"	9'-11"	-	-	-	-	-	-	-	-
A702	9	-	3'-0"	1'-0"	0'-9"	-	-	0'-2 1/2"	-	0'-11 1/2"	-	-	-
A703	9	-	3'-2"	1'-0"	0'-9"	-	-	0'-4"	-	0'-11 1/2"	-	-	-
A704	9	-	3'-8"	1'-1"	0'-9"	-	-	0'-6"	-	0'-11 1/2"	-	-	-
A705	9	-	4'-2"	1'-2"	0'-9"	-	-	0'-9"	-	0'-11 1/2"	-	-	-
P501	53	-	3'-8"	2'-8"	3'-8"	-	-	-	-	-	-	-	-
P501	1	1'-5"	8'-6"	-	-	-	-	1'-3"	-	-	-	-	-
P502	1	1'-5"	7'-0"	-	-	-	-	1'-3"	-	-	-	-	-
P1101	2	1'-2"	5'-10"	-	-	-	-	-	-	-	-	-	-
P1106	5	-	-	3'-2"	21'-2"	-	-	-	-	-	-	-	-
S501	591	0'-3 1/2"	15'-9"	61	-	-	-	-	-	2'-8"	-	-	-
S502	591	0'-3 1/2"	15'-11"	62	-	-	-	-	-	2'-8"	-	-	-
S503	591	0'-3 1/2"	18'-1"	70	-	-	-	-	-	2'-8"	-	-	-
S504	591	0'-3 1/2"	16'-0"	62	-	-	-	-	-	2'-8"	-	-	-
S505	591	0'-3 1/2"	16'-2"	63	-	-	-	-	-	2'-8"	-	-	-
S506	591	0'-3 1/2"	18'-4"	71	-	-	-	-	-	2'-8"	-	-	-
S501	2	0'-6"	1'-0"	-	-	-	0'-6"	-	-	-	-	-	-
S502	R1	-	-	-	-	-	-	-	-	-	-	-	-
S503	2	0'-6"	1'-9"	-	-	-	-	-	0'-9"	-	-	-	-
S504	9	0'-6"	0'-10"	1'-2 1/2"	0'-9"	-	-	-	-	0'-11 1/2"	-	-	-



NOTES

- FIGURES IN CIRCLES SHOW BAR TYPES.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR.
- "J" DIMENSION ON HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN WHERE NECESSARY TO RESTRICT HOOKS.
- ALL BENDS SHOWN ARE BENT AROUND A STANDARD MAIDREL, EXCEPT SPIRALS SPI, AND WHERE RADIUS "R" IS INDICATED.
- RADIUS DIMENSION "R" IS TO OUTSIDE OF BAR.
- THE LENGTH OF BENT BARS IS MEASURED ALONG THE CENTERLINE.
- FOR STANDARD HOOK DIMENSIONS, SEE SECT. 509.05 OF THE SPECIFICATIONS.
- FOR BAR TYPE SPI, THE NO OF TURNS "D" IS THE LENGTH "C" DIVIDED BY THE PITCH "B", PLUS 3 TURNS (TOTAL NUMBER OF CLOSED COILS), EXPRESSED AS THE NEAREST WHOLE NUMBER. 1/2 CLOSED COILS SHALL BE PROVIDED AT THE ENDS OF EACH SPIRAL UNIT.

AUBLE-MITCHELL-BURGESS & ASSOC. 13/13
ENGINEERS AND ARCHITECTS
CINCINNATI, OHIO

BAR BENDING DETAILS

BRIDGE NO. MEG-7-0713 L/R
S.R.7 OVER SR 124
MEIGS COUNTY STA. 375 + 27.76 TO
STA. 378 + 28.32

Designed	Drawn	Traced	Checked	Revised	Date	Revised
					LEN 10-70	