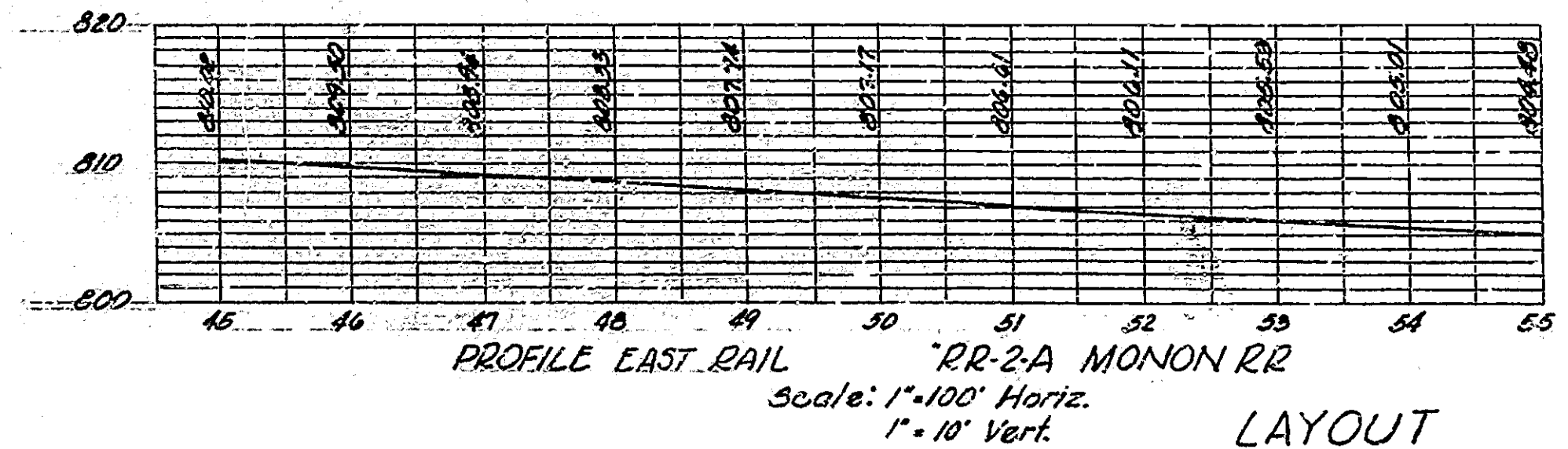
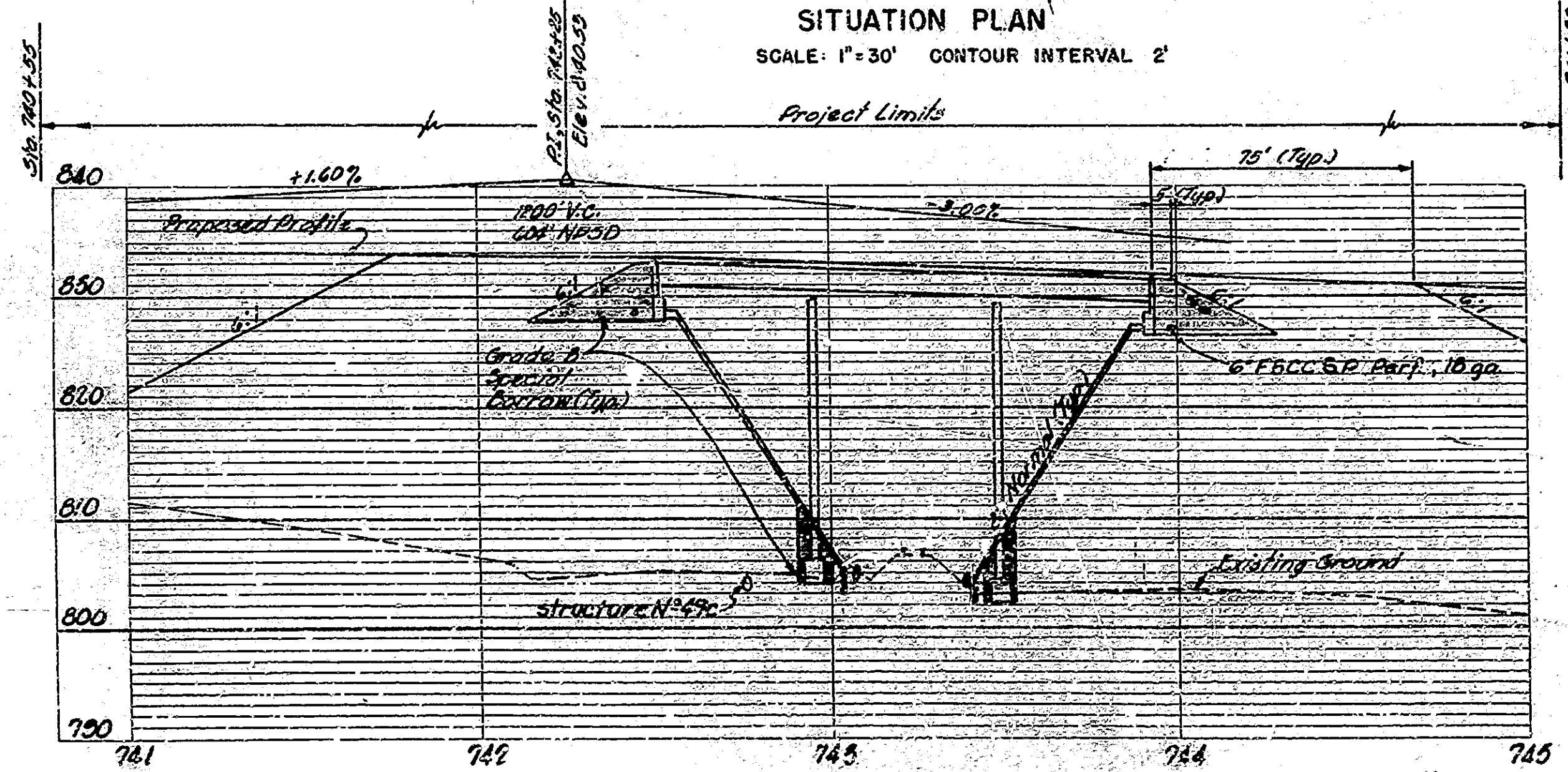


UTILITY OWNER
NONE

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-465-4 (194)129	1965	6	37

NOTES
 LOCATION: Section 12, Township 17N, Range 3E, Clay Township, Hamilton County
 APPROACH DATA: For bench marks, alignment references and additional approach details see sheet 13, Project I-465-4 (194)129, Roadway Plans
 SOIL DATA: For soil borings see sheet 5. see Article A203 of specifications regarding test pile data.
 FIELD NOTES:
 Book 8853T, page 19
 Book 8854L, pages 23 thru 25
 Book 8855T, pages 19 and 20
 Book 8856L, page 30

Note: slopes indicated at S.E. corner are typical for all corners.
 * indicates items included in Road Quantities



Earthwork Tabulation
 Fill: 20% 92,313 cy.
 Common Excavation 372 cy.
 Surplus Excavation 414 cy.
 Special Borrow 91,587 cy.

LAYOUT
 Twin Continuous Steel Beam Bridges
 3 spans @ 44'-0", 55'-0", 44'-0", 50'-6" Roadways, 9' Curbs
 Skew - 20°-50' 20' left
 Over Monon Railroad on Interstate Route 465

INDIANA STATE HIGHWAY COMMISSION
 HAMILTON COUNTY

SCALE: - As noted June 28, 1965

SUBMITTED FOR APPROVAL: Tom L. McQuinn, P.E.

DRAWING: - 51 OF 16
 PROJECT: I-465-4(194)129 (North Leg)
 BRIDGE CONTRACT NO. B-7284 Sta. 743+23
 BRIDGE FILE: I-465-129-2978 @ Spans 23

DESIGNED: JWD CKD: TLU
 DRAWN: JWD CKD: TLU
 TRACED: CKD

PROFILE ON SURVEY & LINE 'A'
 SCALES: HORIZ. 1"=30' VERT. 1"=10'

Rev. 1-30-67 R/W Shown
 Rev. 10-14-66 Slope Wall

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	2465-4	1965	8	37

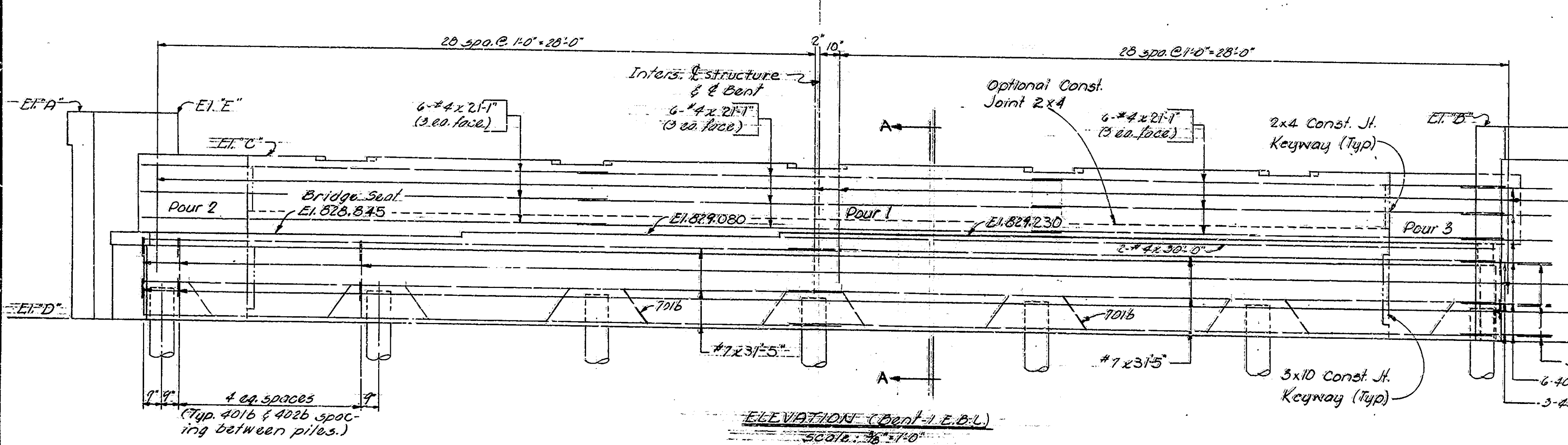
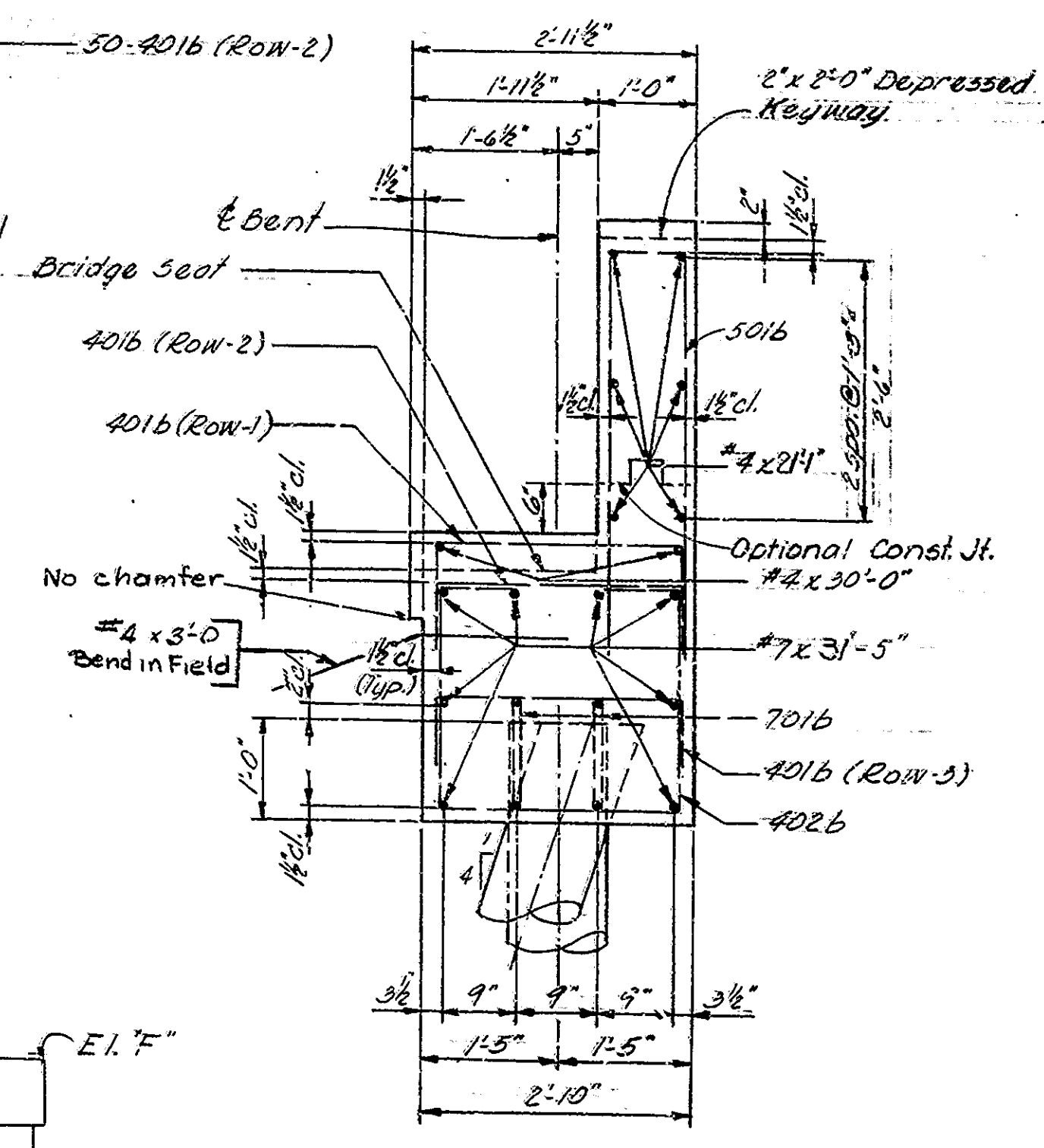
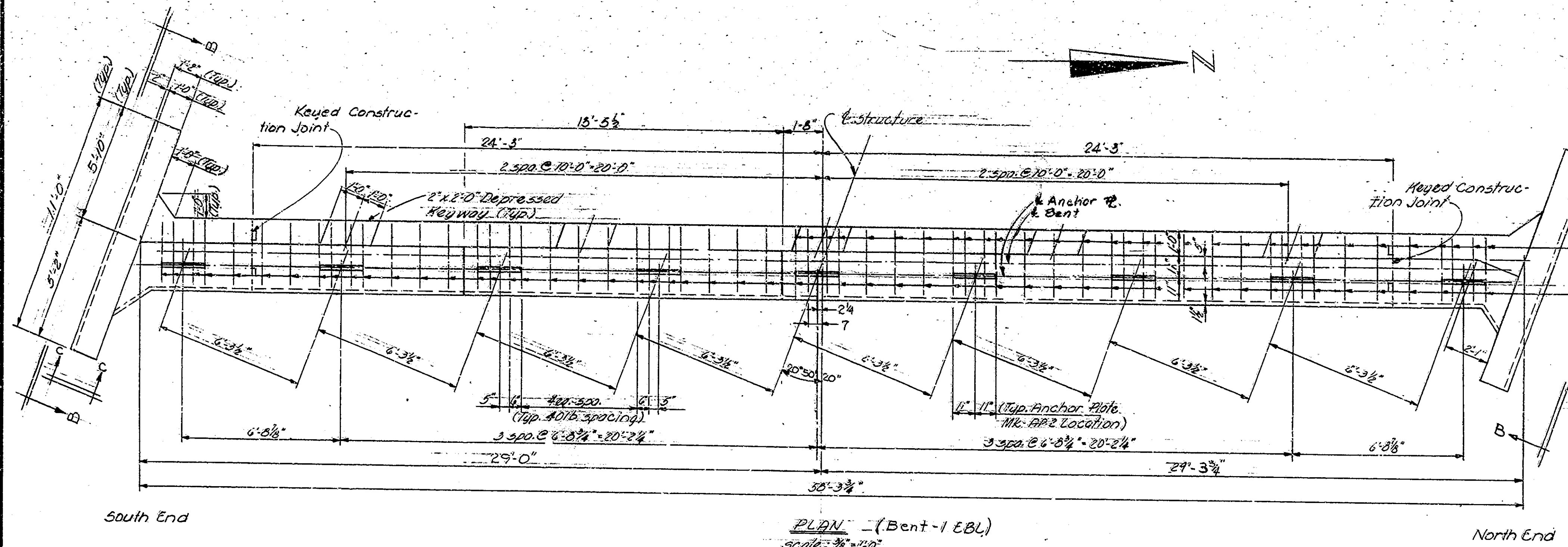


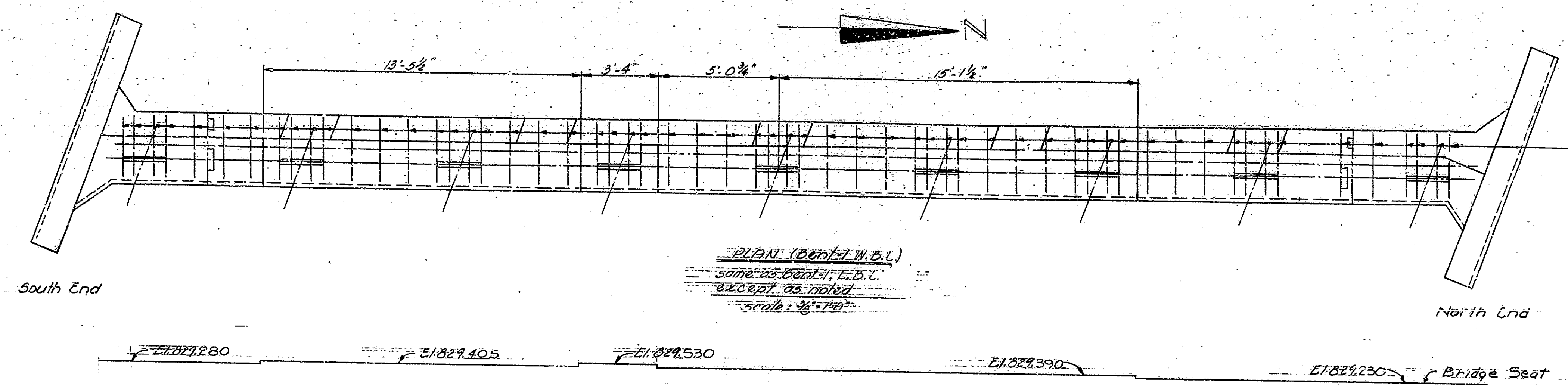
TABLE OF ELEVATIONS							
LOCATION	A	B	C	D	E	F	Berm
Bent-1 E.B.L.	833.62	834.02	832.00	826.34	831.71	834.11	828.34
Bent-2 E.B.L.	832.55	832.04	830.29	824.67	832.40	831.88	824.67
Bent-1 W.B.L.	834.09	834.03	832.40	826.73	834.17	832.10	824.73
Bent-2 W.B.L.	832.72	832.66	830.97	825.29	832.58	832.57	824.73

Notes:
GENERAL NOTES: See Drawing S2 for General Notes
ADDITIONAL DETAILS: For additional notes and details, see Drawings S4 and S5

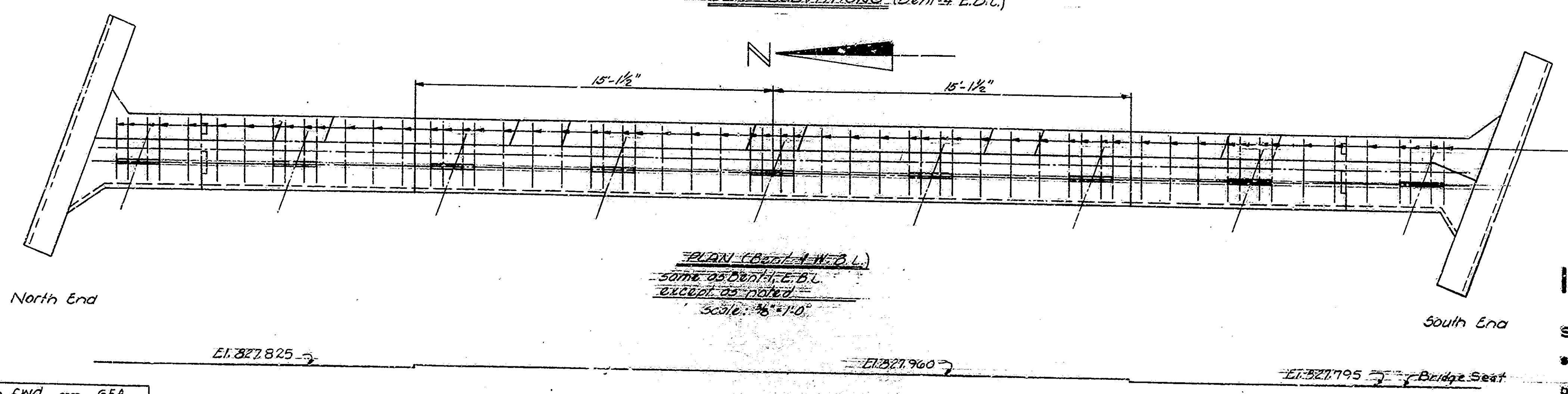
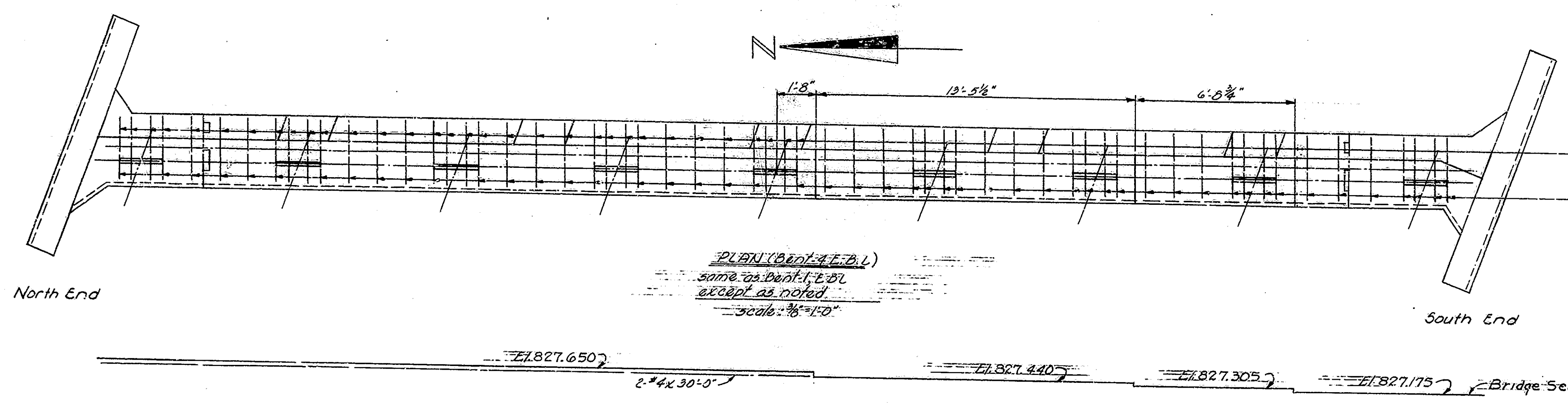
END BENT DETAILS
INDIANA STATE HIGHWAY COMMISSION
SCALE: as noted
June 28, 1965
SUBMITTED FOR APPROVAL: Tom F. Hildebrand, P.E.
DRAWING: 53 OF 16
PROJECT: 2465-4(136)129
BRIDGE CONTRACT NO. B-7284
BRIDGE FILE: 2465-4(136)-2218

DESIGNED: LMG CKD: GEA
DRAWN: BGD CKD: GEA
TRACED: CRU

BRIDGES OVER 20' SPAN				
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	7-445-4 (136)129	1965	37



Notes:
 GENERAL NOTES: See Drawing 52 for General Notes.
 ADDITIONAL DETAILS: for additional notes and details, See Drawings 53 & 55



END BENT DETAILS
INDIANA STATE HIGHWAY COMMISSION
 SCALE: 1/8" = 1'-0"
 June 28, 1965
 SUBMITTED FOR APPROVAL: Tom L. McDonald, P.E.
 DRAWING: 54 OF 100
 PROJECT: I-445-4 (136)129
 BRIDGE CONTRACT NO. B-7284
 BRIDGE FILE: 7-445-129-2578

DESIGNED: FWD CWD: GEA
 DRAWN: BGE CWD: GEA
 TRACED: CWD

PROJECT NO.	SHEET NO.	TOTAL SHEETS
7-445-4 (136)129	54	100

BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-465-4 (136)/29	1965	10	37

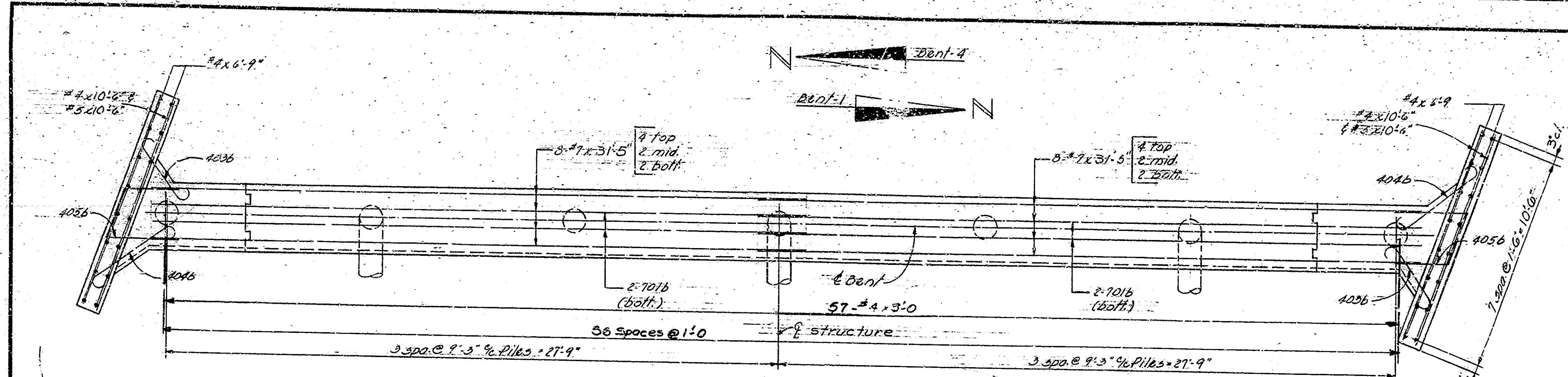
BILL OF MATERIALS
 Bent 1 IEB & Bent 4 IEB
 same, Bents 1 & 4 IEB
 same except as noted

REINFORCING STEEL					
SIZE	NECE	MARK	LENGTH	WEIGHT	
701b	4	32-10		268	
#7	16	31-5		1027	
		Total #7		1295	
501b	58	9-3		560	
#5	20	10-6		219	
		Total #5		779	
401b	114	3-7		273	
402b	32	8-1		173	
403b	9	4-6		27	
404b	9	5-6		33	
405b	6	5-1		20	
#4	16	10-6		112	
#4	32	6-9		144	
#4	2	30-0		41	
#4	18	21-1		255	
#4	57	3-0		114	
		Total #4		1190	
		Total Steel		3264	

BENT 1 WB or BENT 4 WB	
Same as Bent 1 IEB	
except delete	
2 #4 x 30-0 #22-401b x 3-7	Total #2 1096
	Total Steel 3170

CLASS E CONCRETE	
Pour #1	19.50 cu
Pour #2	5.56 cu
1 Pour #3	5.30 cu
	Total 29.36 cu

MISCELLANEOUS	
Anchor Plates MK-AP-2	each
1-14 #7 Top Steel	
Encased Concrete	
Piles @ 35'	245 LF



BENT CAP: Bent shall not be poured until after fill has been completed up to approximate elevation of bottom of cap.

PILES: #4 Steel Encased Concrete, 1 ga. piles to be driven to 40 tons minimum bearing capacity. Approximate pile length is 35 feet.

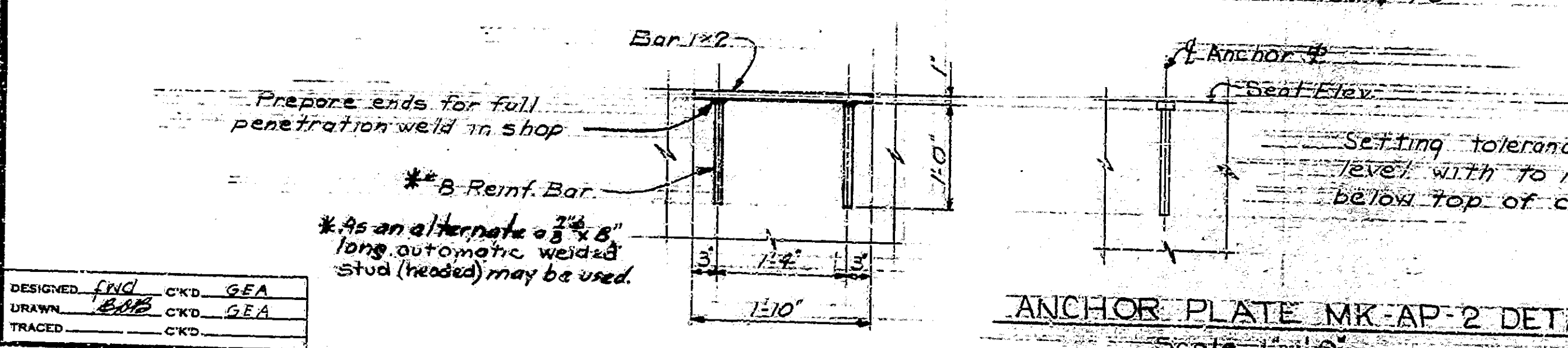
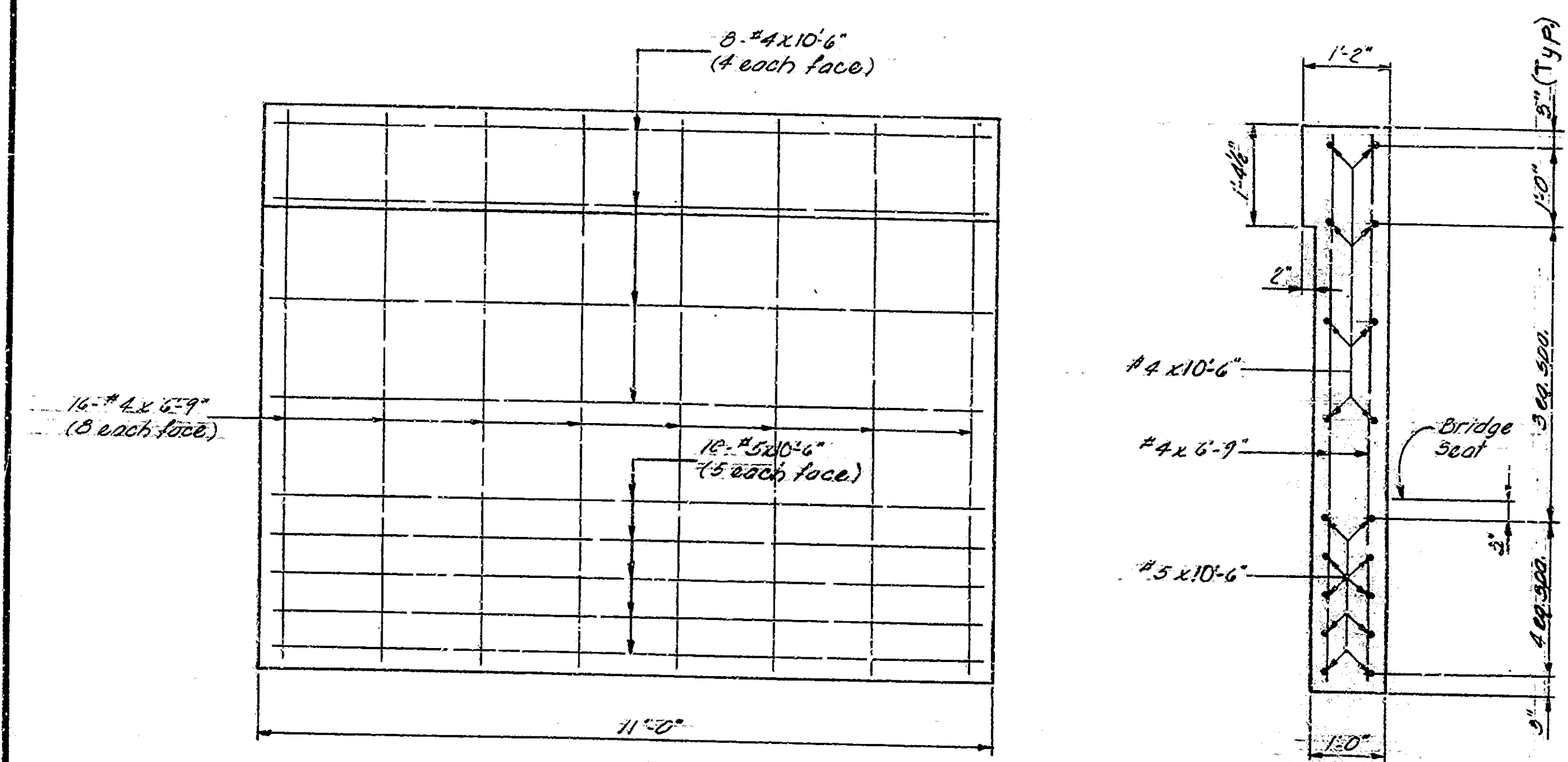
TOP OF MUDWALL: Top of mudwall and top of depressed keyways shall be finished smooth. Cover horizontal surfaces with one layer of medium weight roofing felt and provide 1/4 inch expansion joint material along vertical sides of keyways.

ANCHOR PLATES: Anchor plates MK-AP-2 to be pre-set in the concrete.

REINFORCING STEEL: For reinforcing bar notes, see Bridge Standard-C1.

ADDITIONAL DETAILS: For additional details, see Drawings 53, 4, 5, 4.

GENERAL NOTES: See Drawing 52 for General Notes.



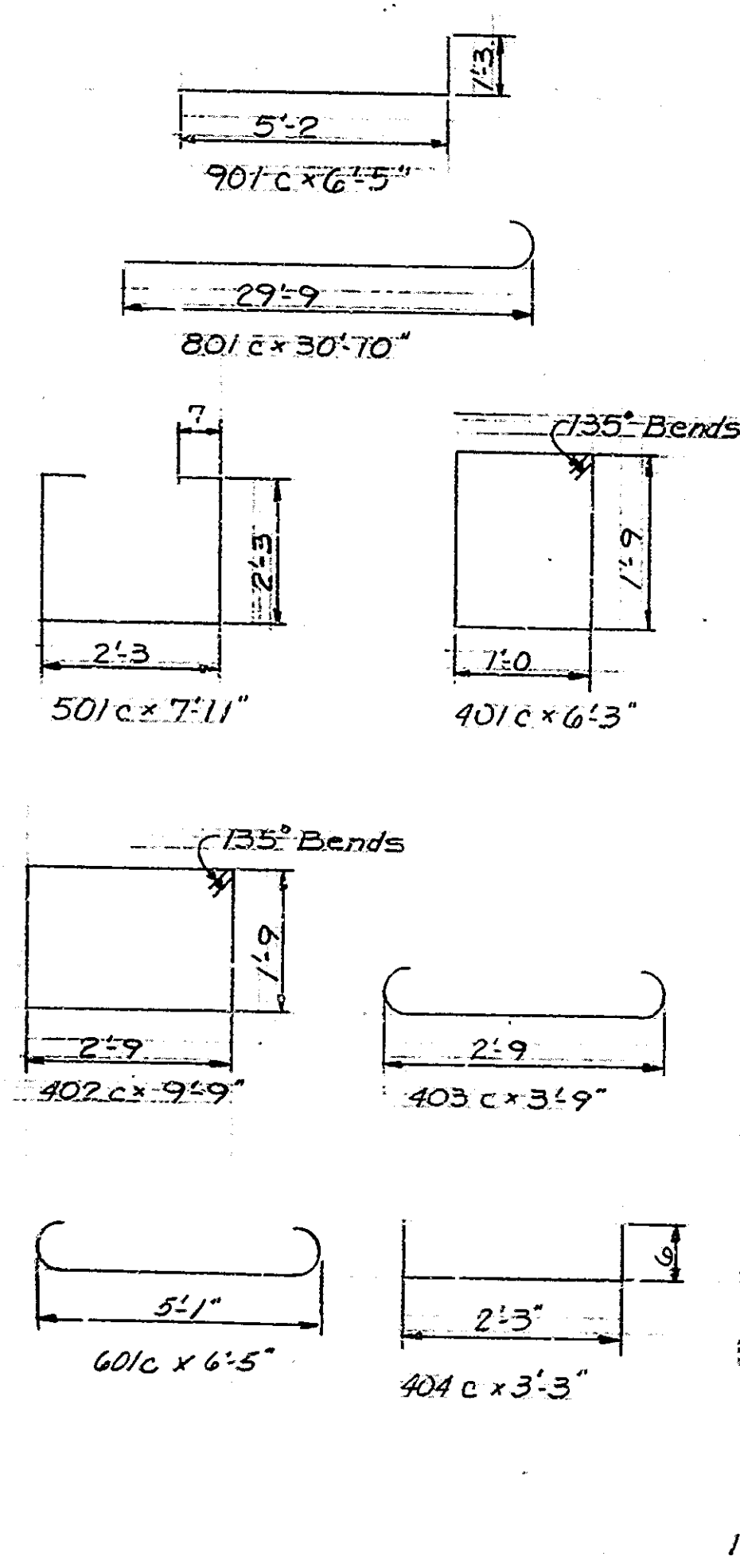
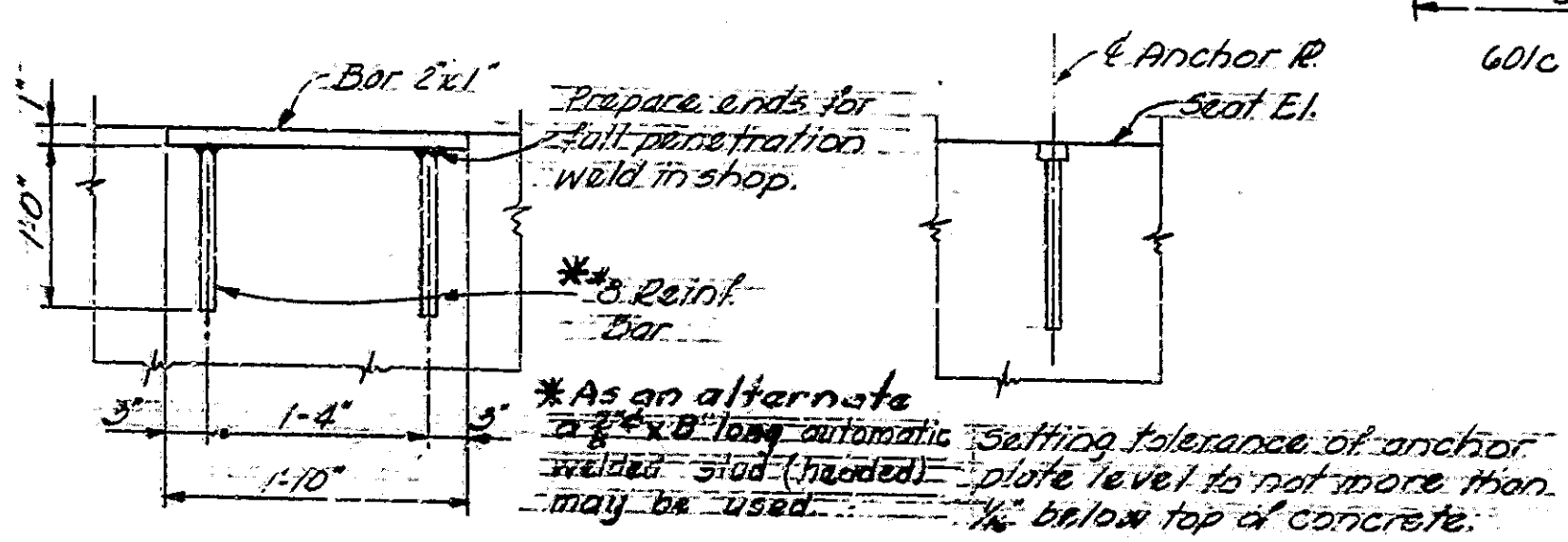
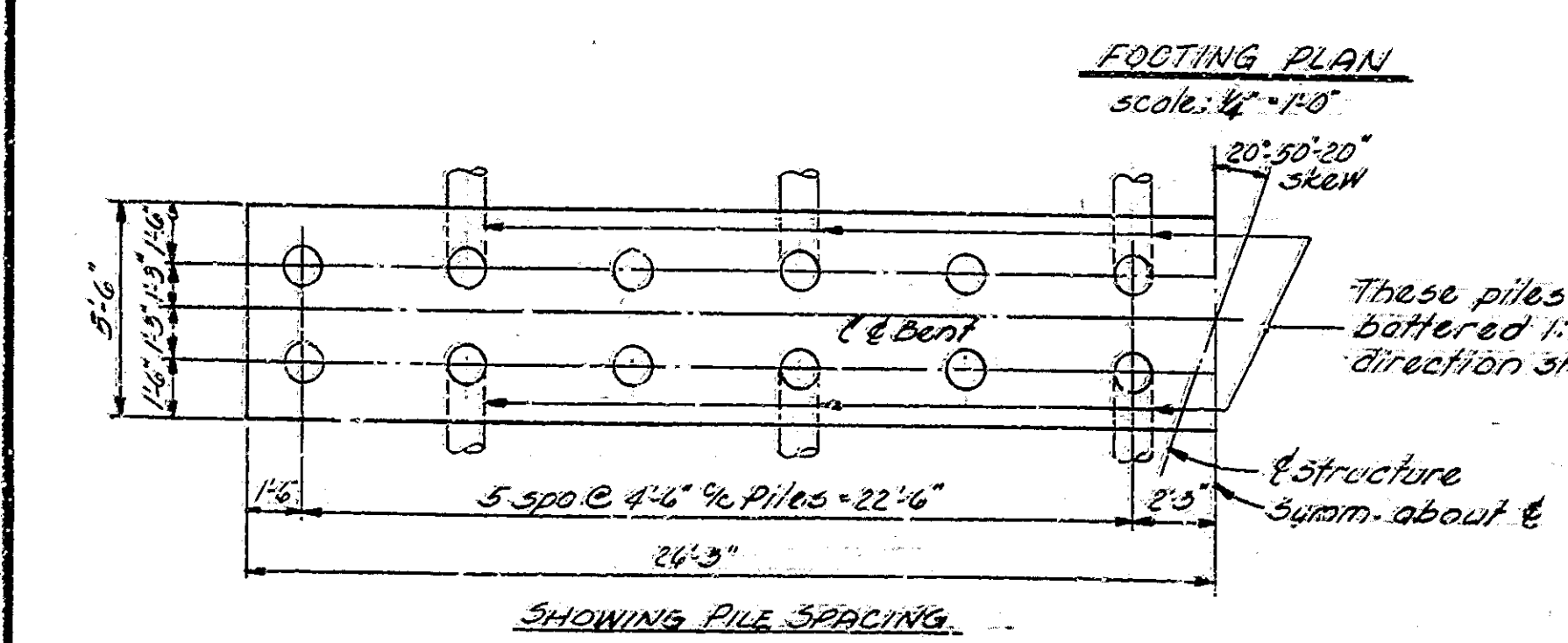
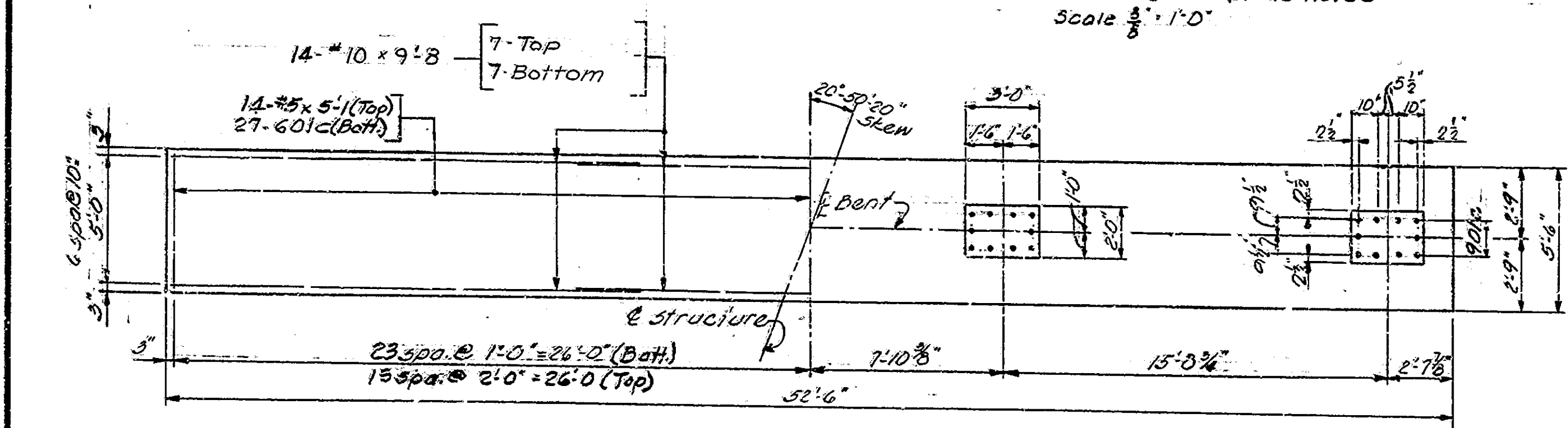
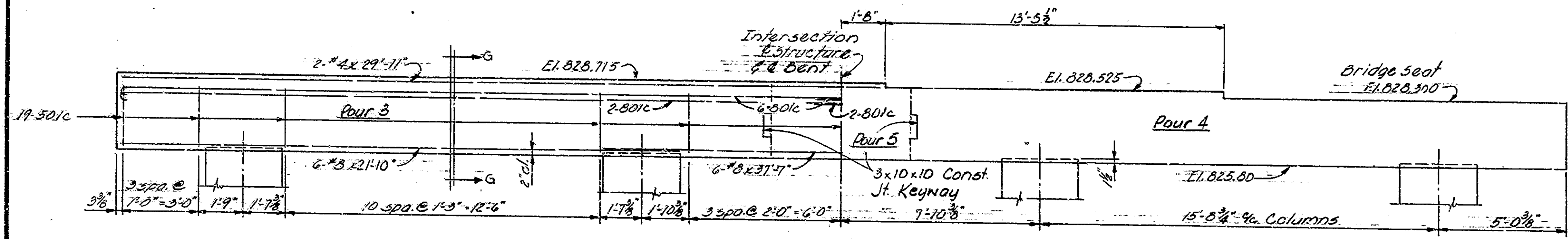
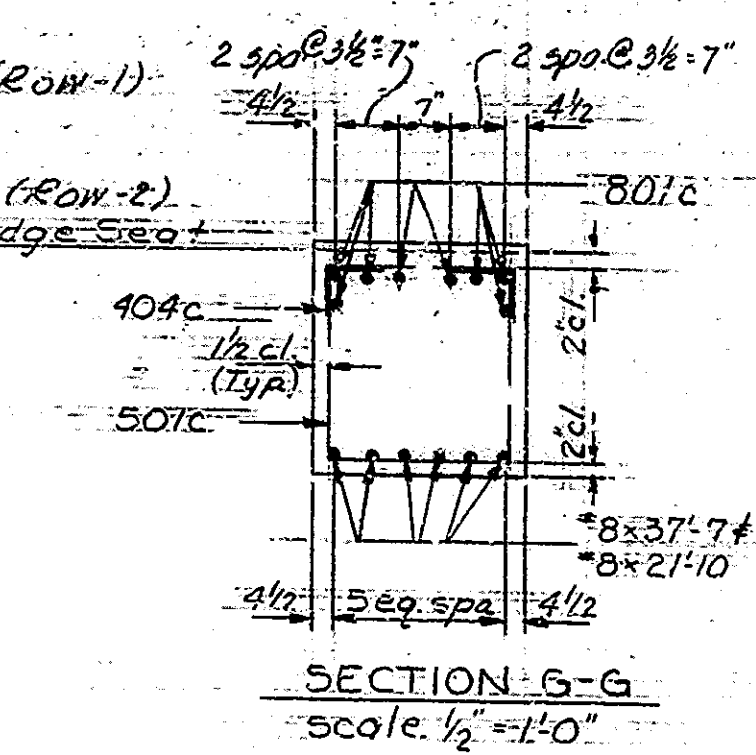
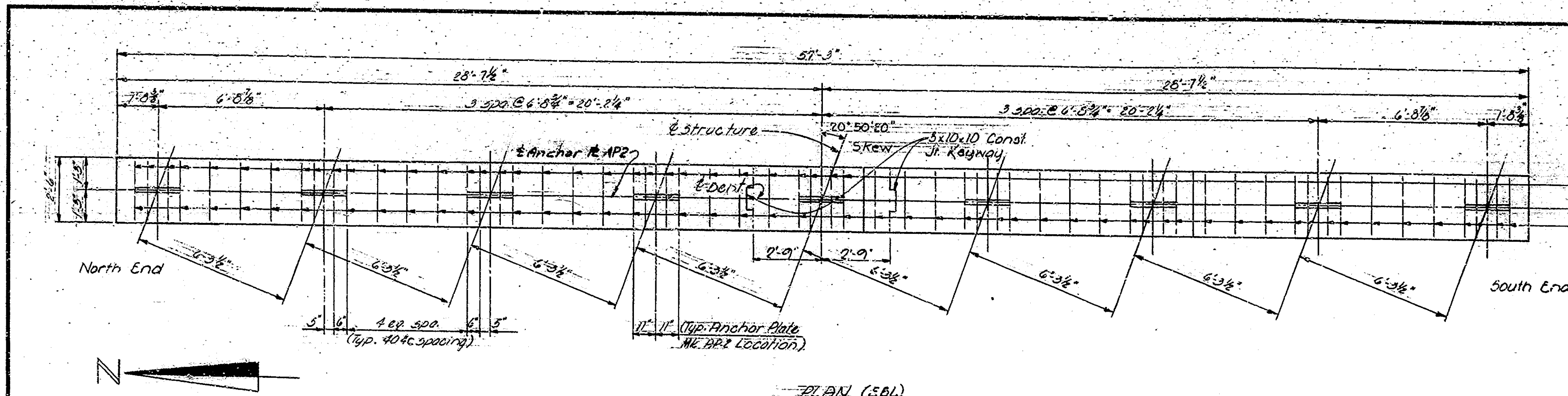
END BENT DETAILS
INDIANA STATE HIGHWAY COMMISSION
 SCALE: as noted
 June 28, 1965
 SUBMITTED FOR APPROVAL: *Tom L. ...*
 DRAWING: 55 OF 16
 PROJECT: I-465-4 (136)/29
 BRIDGE CONTRACT NO. B-7284
 BRIDGE FILE: I-465-121-2918

DESIGNED: LND CKD: GEA
 DRAWN: BBE CKD: GEA
 TRACED: CKD

Rev 10-14-66 Anchor P. Bill of Matl.
 Rev 11-2-66 Notes
 Rev 2-23-66 Anchor P.

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	DATE
I-465-4(136)/29	B	10	37	1965-07-01

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1465-4 (136) 129	1965	12	37



BILL OF MATERIALS
Bent 2 WBL, Bent 2 E.B.L.
Same except as noted

REINFORCING STEEL	SIZE #	N° OF MARK BARS	LENGTH	WEIGHT
#10	42	19-8	3554	
901c	40	6-5	873	
#9	40	21-0	2856	
		Total #9	3729	
801c	16	30-10	1317	
#8	6	37-7	602	
#8	6	21-10	350	
		Total #8	2269	
601c	53	6-5	511	
501c	37	7-11	306	
#5	27	5-1	143	
		Total #5	449	
401c	76	6-3	317	
402c	76	9-9	495	
403c	76	3-9	190	
404c	60	3-3	130	
		Total #4	1132	
		Total Steel	11644	

BENT 2 E.B.L.		same as BENT 2 WBL except add
22-404c x 3-3	2-#4 x 29-11	
	Total #4	1220
	Total Steel	11,732

CONCRETE	
Class "D" Columns	16.7 Cys.
Class "E" Footings	27.4 Cys.
Class "F" Cap	13.8 Cys.
Pour 3	7.2 Cys.
Pour 4	6.2 Cys.
Pour 5	1.4 Cys.
Total Class "F"	13.6 Cys.

MISCELLANEOUS	
Anchor Plate NK-AP-2	9 each
24-Treated Timber	
Piles @ 25'	600 LF.

NOTES
REINFORCING STEEL: For reinforcing bar notes see Bridge Standard C.
GENERAL NOTES: see Drawing 52 for General Notes.
PILES: Treated timber piles shall be driven to a minimum bearing capacity of 25 tons. Approximate pile length is 25 feet.

INDIANA STATE HIGHWAY COMMISSION

SCALE: as noted
June 28, 1965

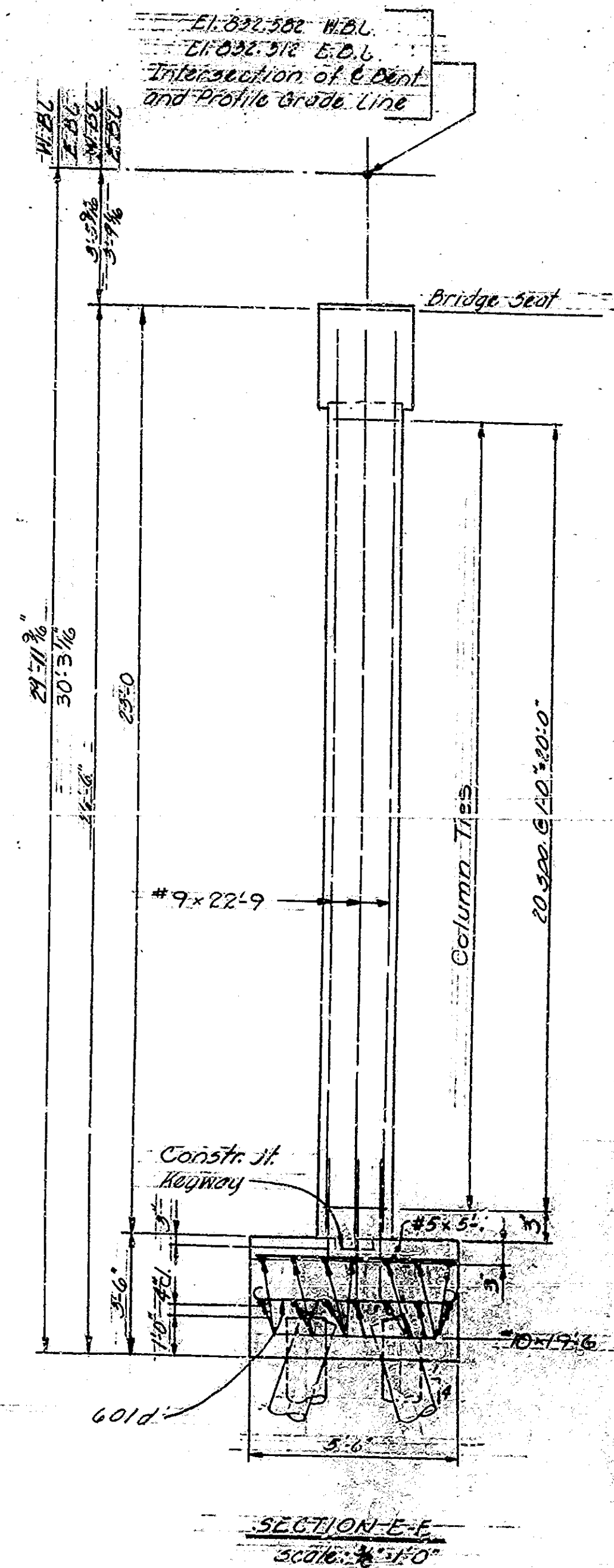
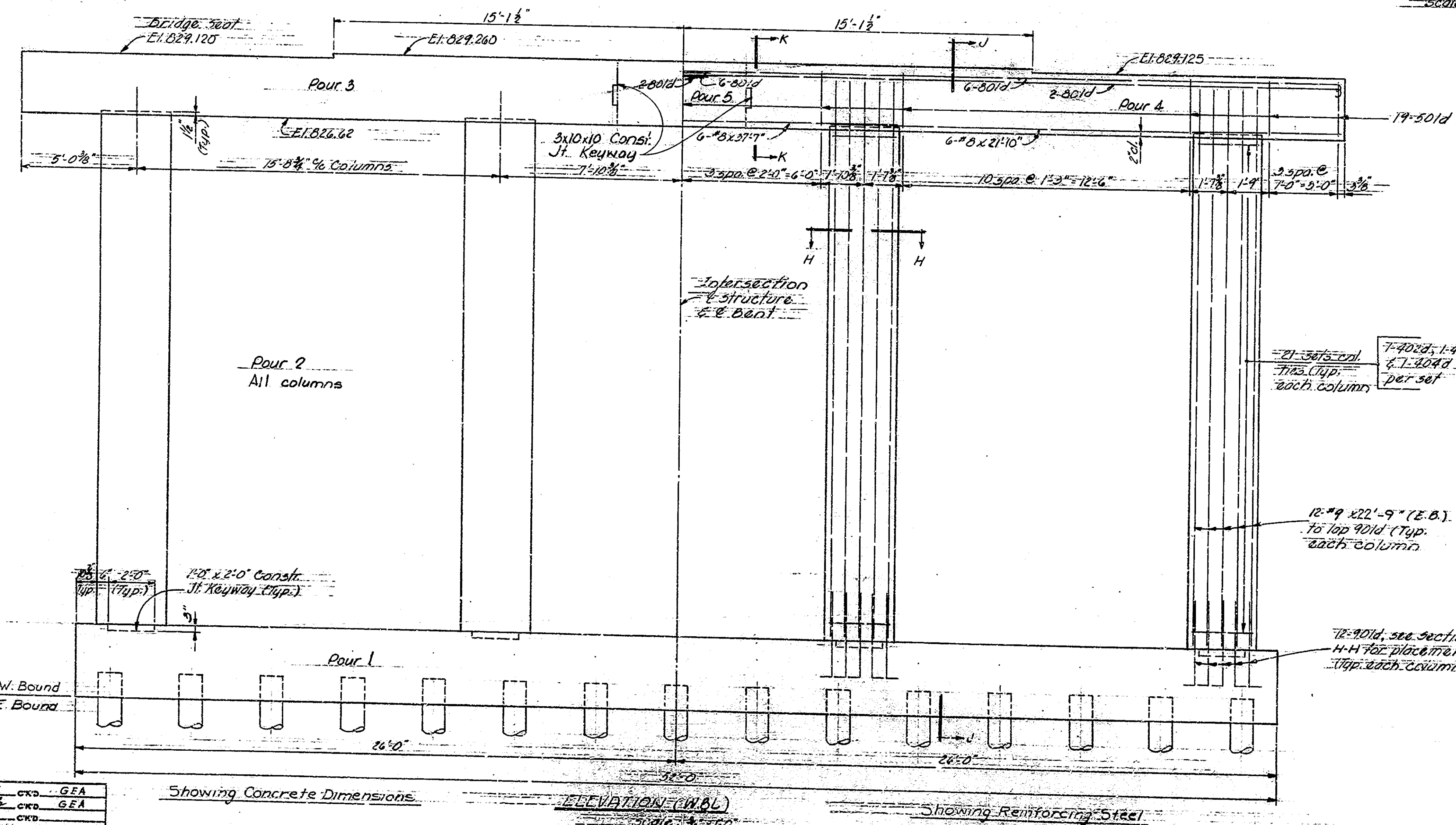
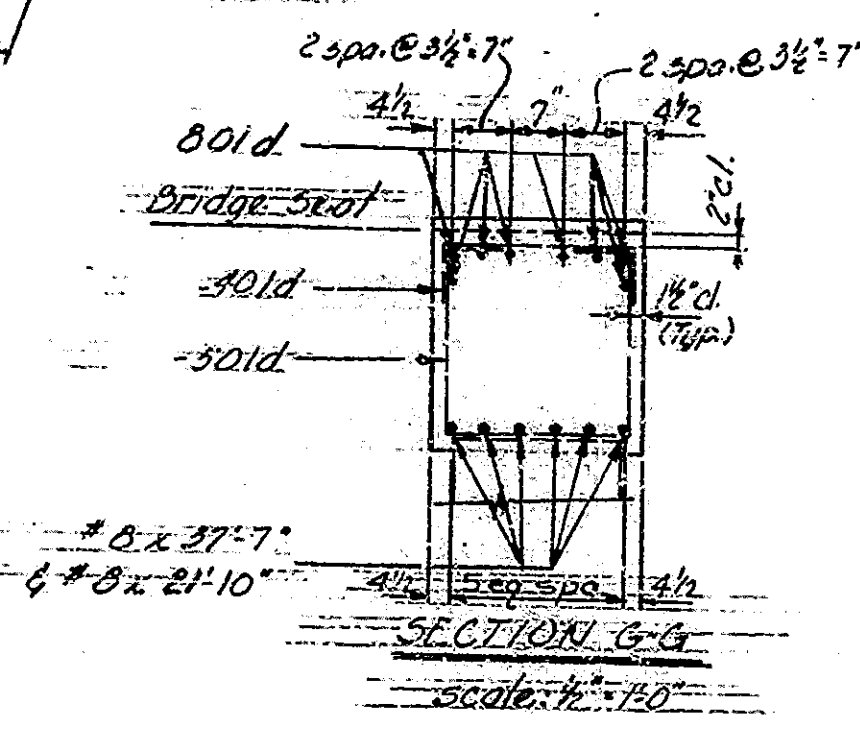
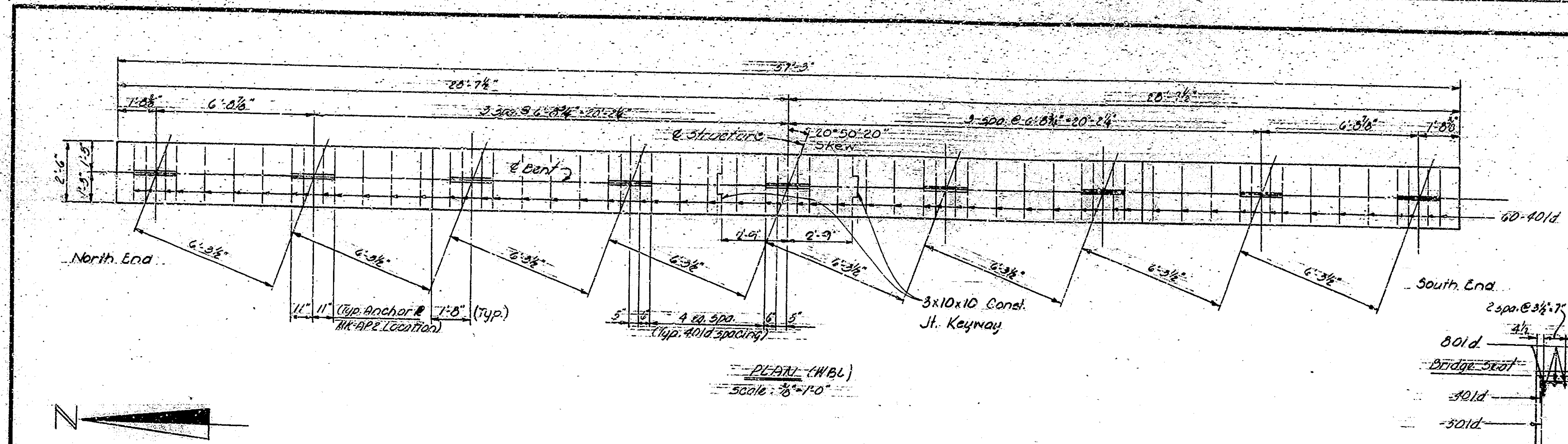
SUBMITTED FOR APPROVAL: Tom P. Howard, P.E.

DRAWING: 51 OF 10
PROJECT: 1465-4 (136) 129
BRIDGE CONTRACT NO. B-7284
BRIDGE FILE: 1465-129-2375

DESIGNED	LND	CHKD	GEA
DRAWN	LND	CHKD	GEA
TRACED		CHKD	

PROJECT NO.	LINE	SHEET	TOTAL SHEETS	FILE
1465-4(136) 129	7A	12	37	1465-129-2375

BRIDGES OVER 20' SPAN				
PROJ. NO.	STATE	PROJECT NO.	CIVIL YEAR	TOTAL SHEETS
4	IND.	7-484 (136) 729	1965	37



NOTE: For additional details see Drawing 5-9.

BENT-5 DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE: as noted
 SUBMITTED FOR APPROVAL: *Tom P. ...*
 DRAWING: 5B OF 16
 PROJECT: 7-484 (136) 729
 BRIDGE CONTRACT NO. B-7284
 BRIDGE FILE: 7-484 (136) 729

DESIGNED: *FRD* CWD: *GEA*
 DRAWN: *FRD* CWD: *GEA*
 TRACED: CWD

Showing Concrete Dimensions

ELEVATION (H.B.L.)
 Scale: 1/8"=1'-0"

Showing Reinforcing Steel

PROPERTY NO.	LINE	POST MILE	STATION
445-484-2	19	1.73	137

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F-465-4 (236)129	1965	14	37

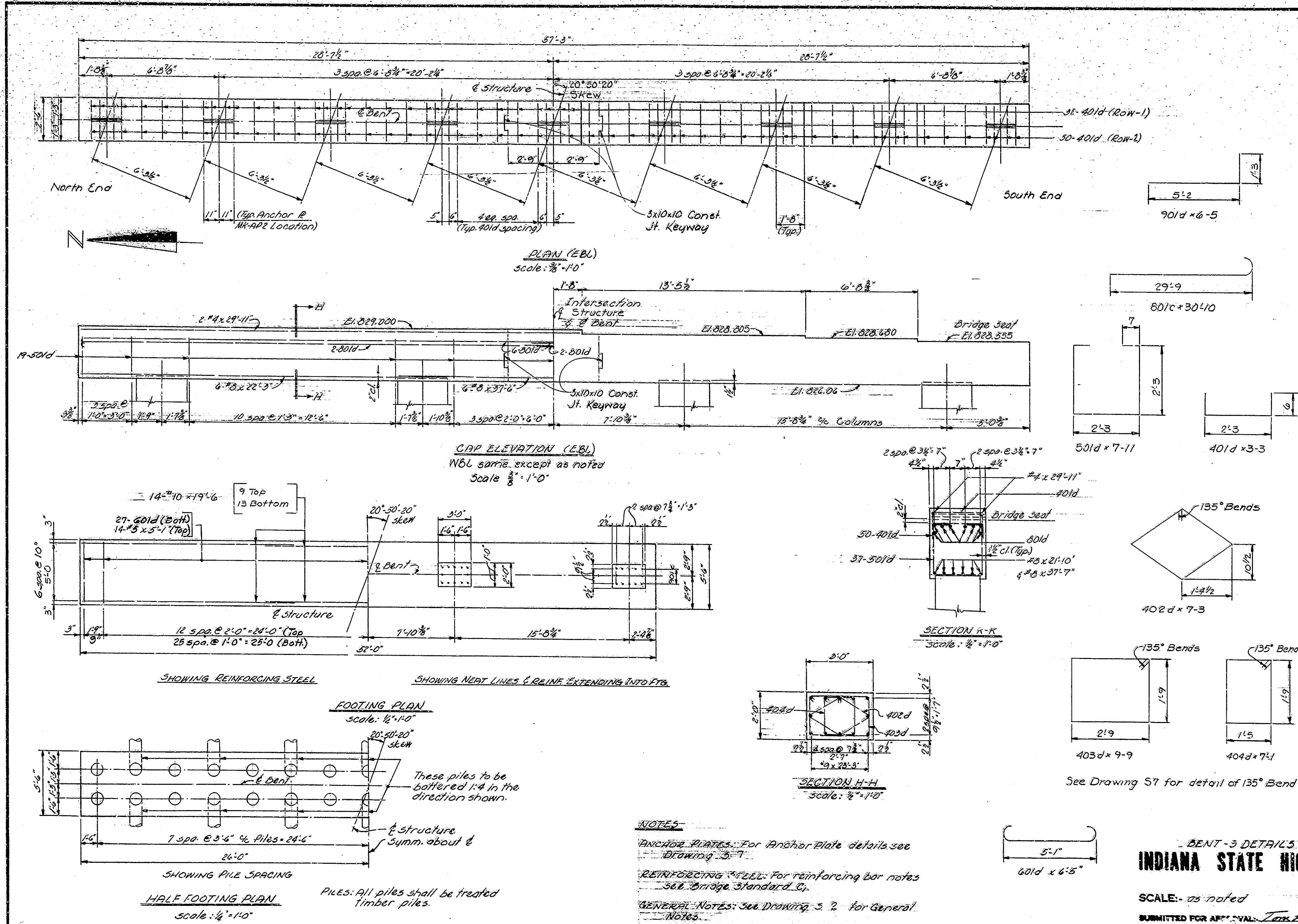
BILL OF MATERIAL
Bent 3 WBL Bent 3 EBL
same except as noted

REINFORCING STEEL			
SIZE & MARK	Nº OF BARS	LENGTH	WEIGHT
#10	42	19'-6"	3524
901d	48	6'-5"	1047
#9	48	22'-9"	3713
	Total #9		4760
801d	16	30'-10"	1377
#6	6	37'-7"	602
#8	6	21'-10"	350
	Total #8		2269
601d	58	6'-5"	511
501d	37	7'-11"	306
#5	27	5'-1"	143
	Total #5		449
401d	60	3'-5"	130
402d	84	7'-3"	407
403d	84	9'-9"	547
404d	84	7'-1"	397
	Total #4		1481
	Total Steel		12,994

Bent 3 EBL same as Bent 3 WBL except add	
22-401d x 3-3" #2	4 x 29'-11"
	Total #4
	1569

CONCRETE	
Class D Columns	182 Cys.
Class E Footings	37.0 Cys.
Class F Cap	
Pour 3	6.2 Cys.
Pour 4	6.2 Cys.
Pour 5	1.4 Cys.
Total Class F	13.8 Cys.

MISCELLANEOUS	
Anchor Plate MK-AP-2	9 each
80-Treated Timber	
Piles @ 25'	750 LF.



NOTES
 ANCHOR PLATES: For Anchor Plate details see Drawing 5-7
 REINFORCING STEEL: For reinforcing bar notes see Bridge Standard C.
 GENERAL NOTES: See Drawing 5-2 for General Notes.
 PILES: Treated timber piles shall be driven to a minimum bearing capacity of 25 tons. Approximate pile length is 25 feet.

BENT-3 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 SCALE: as noted
 SUBMITTED FOR APPROVAL: *Tom B. McDonald, P.E.*
 DRAWING: 5-9 of 10
 PROJECT: F-465-4 (236)129
 BRIDGE CONTRACT NO. B-7284
 BRIDGE FILE: 7-63-7284

DESIGNED	CKD	GFA
DRAWN	CKD	GFA
TRACED	CKD	

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	2465-A (136)129	1965	76	39

SUPERSTRUCTURE GENERAL NOTES

STRUCTURAL STEEL: All structural steel shall conform to ASTM A36.

High Strength Bolts shall be 3/4 inch diameter and holes 1/2 inch diameter, unless noted.

TOP SHOE CONNECTION: Diameter of holes in all material connecting top shoes to beam flanges shall be 1/8 inch larger than the diameter of the bolts.
Bolts connecting beam flange to top shoe shall extend into top shoe a minimum of 1 inch.

REAMING: The Shop Plans shall indicate whether reaming or drilling is to be done in shop or field. If shop reaming or drilling is used, the beams may be reamed with webs either in a horizontal or vertical position. If the beams are reamed with the webs vertical, they shall be supported relative to their final erection position. If they are reamed with the webs horizontal, a minimum of one line of beams shall be shop assembled with webs vertical and inspected for fit.

SHOP DETAILS: The shop details shall show a plan of match-marking for all reamed pieces.

SPICE PLATES: All splice plates to be removed, cleaned and painted after reaming. Splice plates shall not extend beyond the end of beam after bolting for shipment.

CAMBER: Beams in Span B are to be cambered to a smooth curve. Camber must be checked while beams are supported in such a way as to have no bending moment in direction of camber. Beams in Spans A & C are to be straight within a tolerance of 1/8 inch at center. If camber exists, layout beams with camber up. Beams shall be checked for camber while supported in such a way as to have no bending moment in the direction of camber.

SHIMS: Shims between beams and top shoes may be built up. No shim shall be less than 1/8 inch in thickness.

ERECTION MARKS: Eastbound and Westbound structures shall have separate erection marks.

PAINTING: All paint shall be in accordance with current state Highway specifications.

Shop Paint: Basic Lead silico Chromate. (See Special Provisions)
Field Paint: As soon as the Engineer has approved the field welds, all welds and any surface from which the shop coat has been omitted or becomes worn off or has otherwise become defective shall be thoroughly cleaned of all charred paint or any foreign matter and completely covered with one coat of shop paint.

FLAME CUTTING: Structural carbon steel may be flame cut if the flame cutting equipment is mechanically guided. Hand flame cutting shall be used only when approved, and the surface is further treated by milling, grinding or chipping and grinding.

WELDING: All welding shall conform to the current AWS specifications for welded Highway and Railway Bridges unless otherwise noted.

NOTE: Rivets shall not be used in the assembly of Structural Steel.

***STRUCTURAL STEEL:** Estimated weight of structural steel ASTM-A36, 554,000 pounds.
*The weight of High Strength Bolts is not included in the estimated weight of structural steel. The cost of these bolts shall be included in the cost of structural steel.

GENERAL NOTES: See Drawing 5-2 for General Notes.

DATA USED FOR DESIGN AND DETAILS:
LIVE LOAD: HS20-44 loading with impact and distribution of loads in accordance with 1965 AASHTO specifications, checked for special loading consisting of 2 - 28,000 pound axles spaced 4'-0" apart.

DEAD LOAD: Actual weight plus 35 pounds per square foot of roadway to provide for future wearing surface.

SLAB: Designed for 16,000 pound wheel plus impact and with 1/2" monolithic wearing surface.

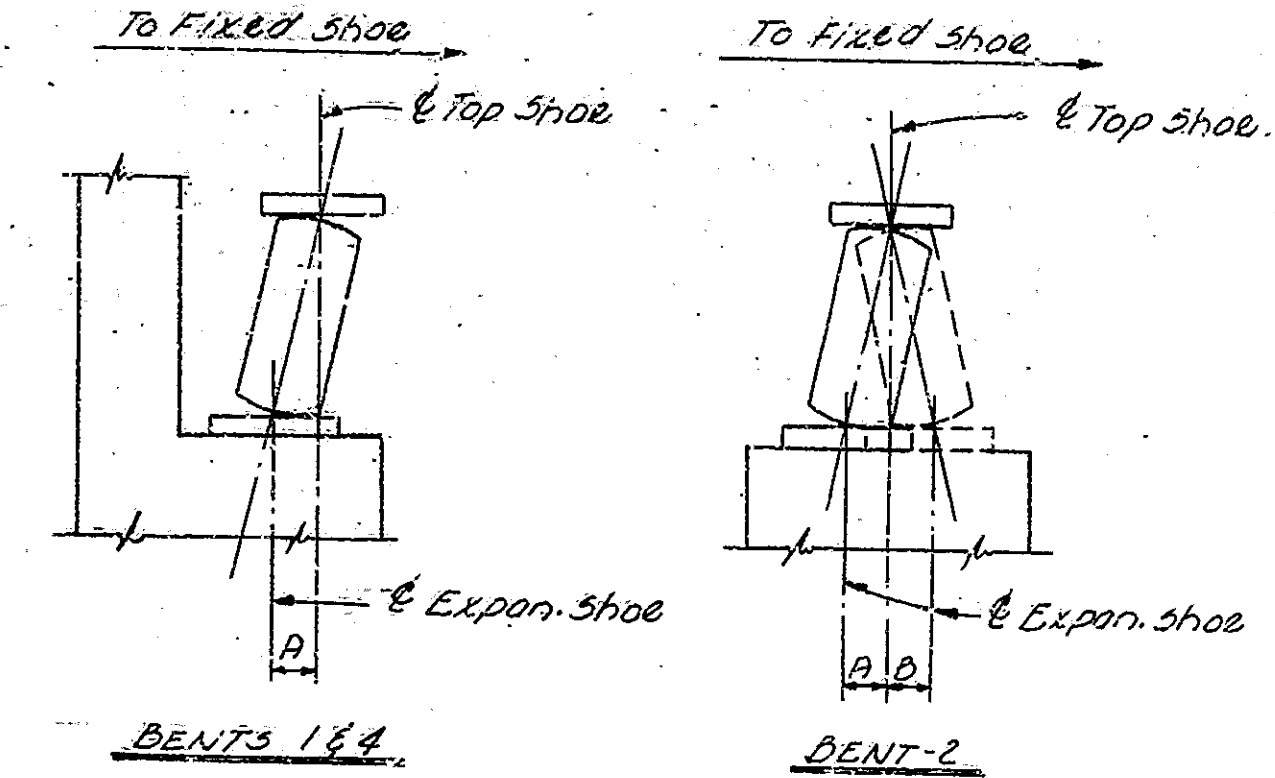
UNIT STRESSES (Structural Steel)

Bending, Tension or Compression A36 20,000 #/sq. in.

Shear in Fillet Welds A36 13,500 #/sq. in.

Shear on High Strength Bolts (Friction Type) 29,000 #/sq. in.

Bearing steel on Concrete (Including Overturning and Eccentric Loading) Reinforcing steel (Tension) 1,000 #/sq. in.
Concrete (Compression) 20,000 #/sq. in.



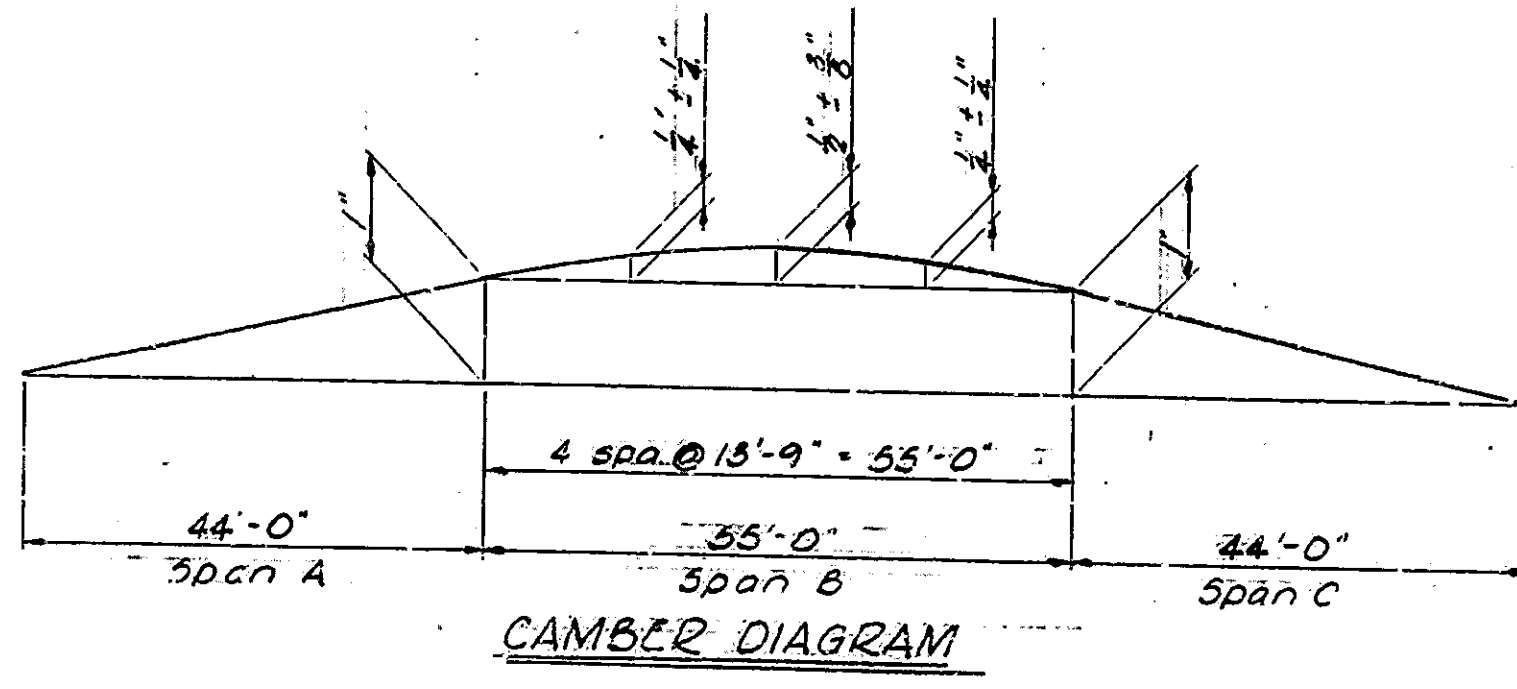
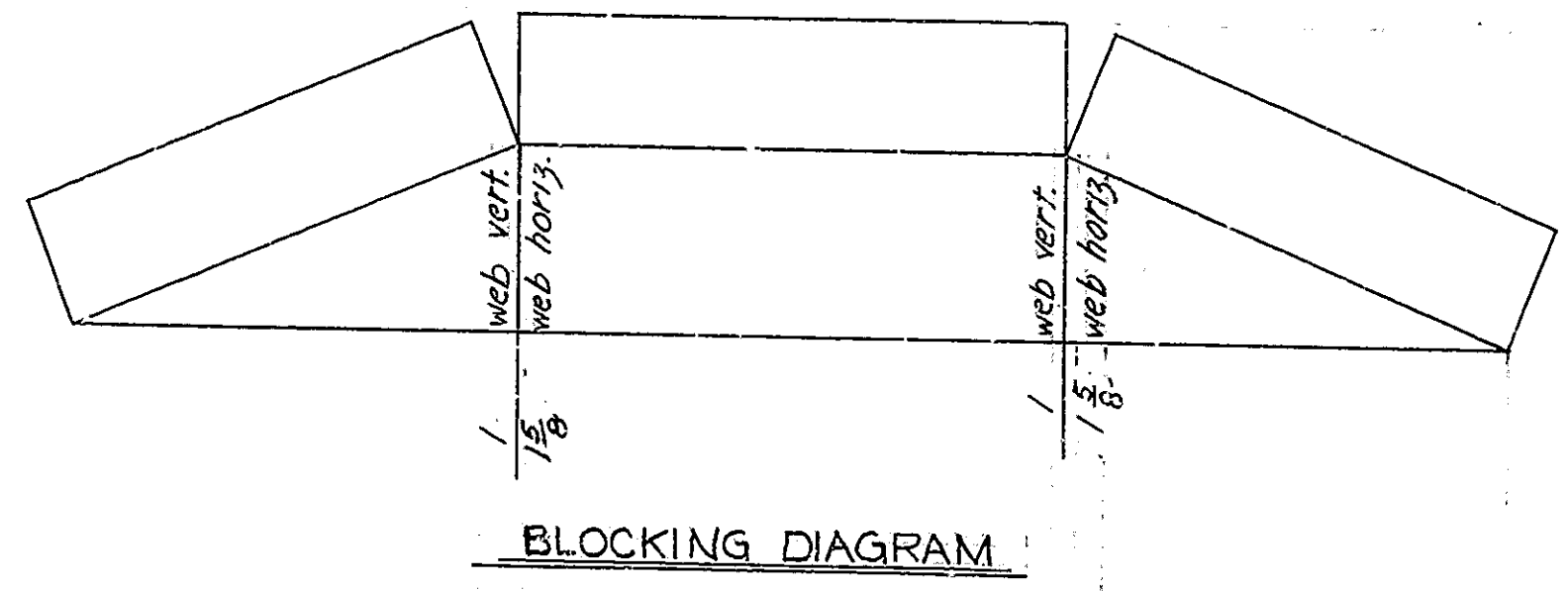
SHOE SETTING DETAILS
No Scale

TABLE OF SHOE SETTINGS AT BENTS 1 & 4 (inches)

Temperature	0°	20°	40°	60°	80°	100°	120°
Bent-1 Dim. 'A'	1/8	1/8	1/8	1/8	1/8	1/8	1/8
Bent-2 Dim. 'B'	1/8	1/8	1/8	1/8	1/8	1/8	1/8

TABLE OF SHOE SETTINGS AT BENT 2 (inches)

Temperature	0°	20°	40°	60°	80°	100°	120°
Dim. 'A'	1/8	1/8	1/8	0	0	0	0
Dim. 'B'				0	1/8	1/8	1/8



DIAPHRAGM CONNECTIONS: Diaphragm connections to beams may be bolted in lieu of field welded connections. If the Contractor elects to use connections other than those shown on the contract plans he shall submit details to the Engineer for approval. The Contractor shall assume full responsibility for layout of all diaphragm connections and for the accuracy of all fitted parts. No increase in pay weight will be permitted.

The Contractor shall prepare detailed working or shop drawings to enable him to fabricate, erect, and construct all parts of the work in conformity with the Engineer's drawings and specifications and shall submit 6 copies of these to the Engineer. See Article E 1103.2 of the Specifications.

TABLE OF MOMENTS and REACTIONS

	Max. Pos. Mom. @ 0.44 ft Spans A & C kip ft.		Max. Pos. Mom. @ 0.50 ft Span B kip ft.		Max. Neg. Moine Dents 249 kip ft.		Reaction @ Dents 184 kips		Reaction @ Bents 289 kips	
	Int. Beam	Ext. Beam	Int. Beam	Ext. Beam	Int. Beam	Ext. Beam	Int. Beam	Ext. Beam	Int. Beam	Ext. Beam
Dead Load	119.9	183.4	134.9	153.3	196.5	246.2	13.2	17.1	45.2	55.1
Live Load	239.8	236.7	261.9	238.8	213.6	210.0	55.2	24.3	42.8	31.8
Imp. fact.	71.0	70.1	67.3	64.8	47.6	47.0	10.5	7.2	11.3	8.0
Total	430.7	490.2	464.1	456.9	458.0	504.0	58.9	48.6	99.3	94.9

Rev. 1-30-67 Notes, Design Data.
Rev. 11-7-66 Paint Note
Rev. 10-16-66 Allowable shear & rivets, Notes

INDIANA STATE HIGHWAY COMMISSION

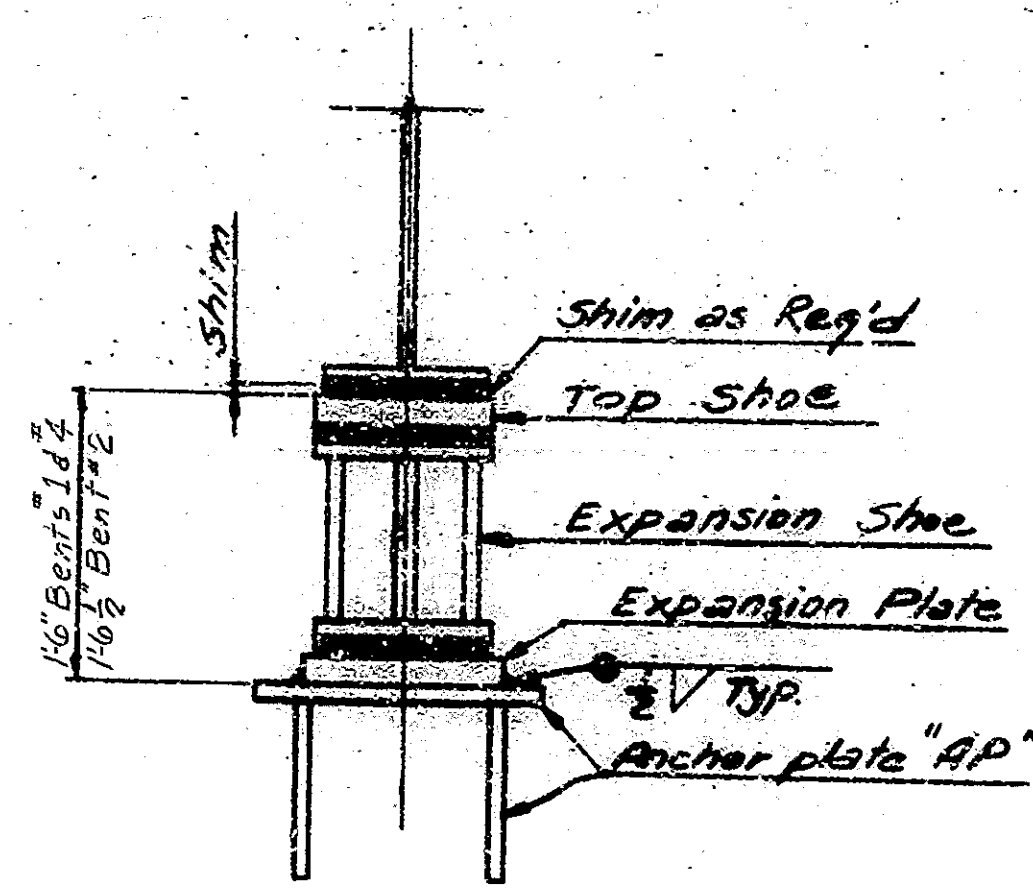
SCALE: None
June 28, 1965
SUBMITTED FOR APPROVAL: Tom L. ...
DRAWING: 5-11 OF 16
PROJECT: 2465-A (136) 129
BRIDGE CONTRACT NO. B-7284
BRIDGE FILE: 2465-129-2278

DESIGNED: FWG	CKD	GFA
DRAWN: GAE	CKD	GFA
TRACED: CKD	CKD	

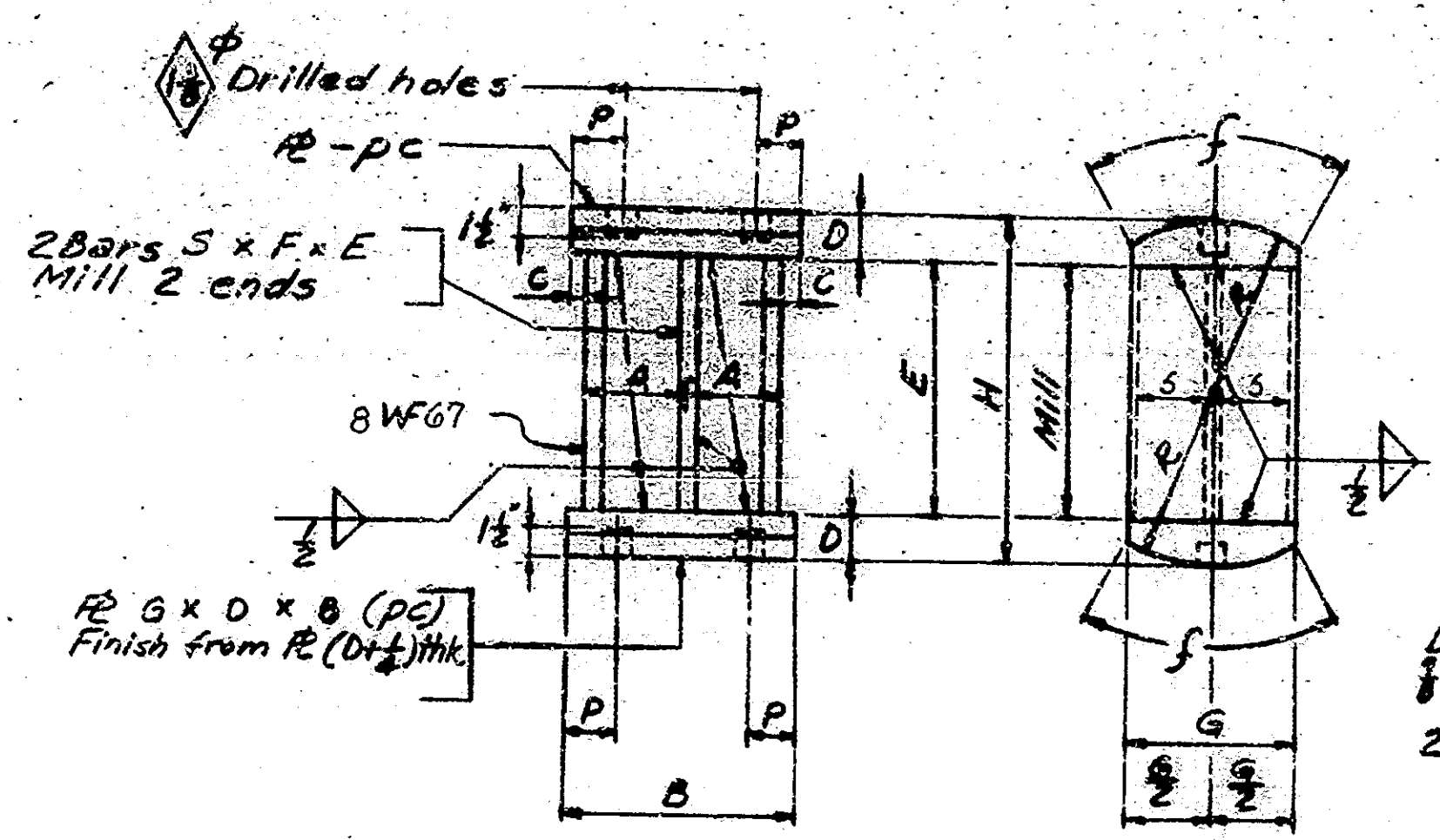
PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS
2465-129	11/7/66	76	39

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	I-465-4 (129)123	1965	17	37

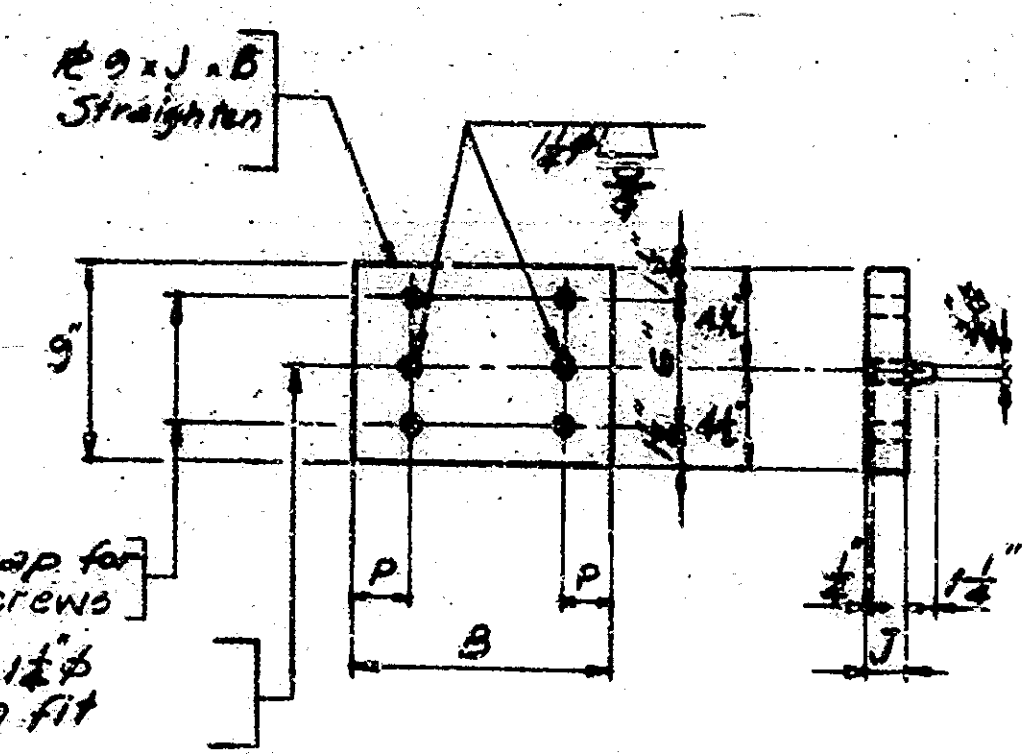
NOTE: Curved Surfaces of shoes to be machined after elements have been completed.



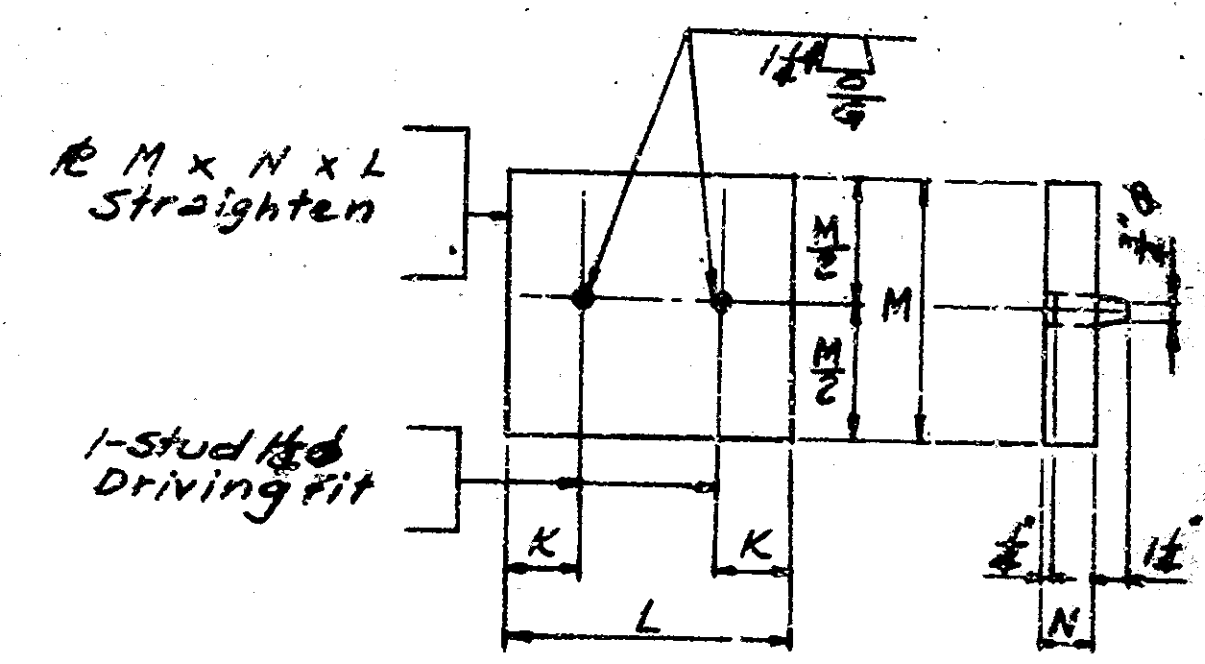
EXPANSION SHOE ASSEMBLY-TYPICAL



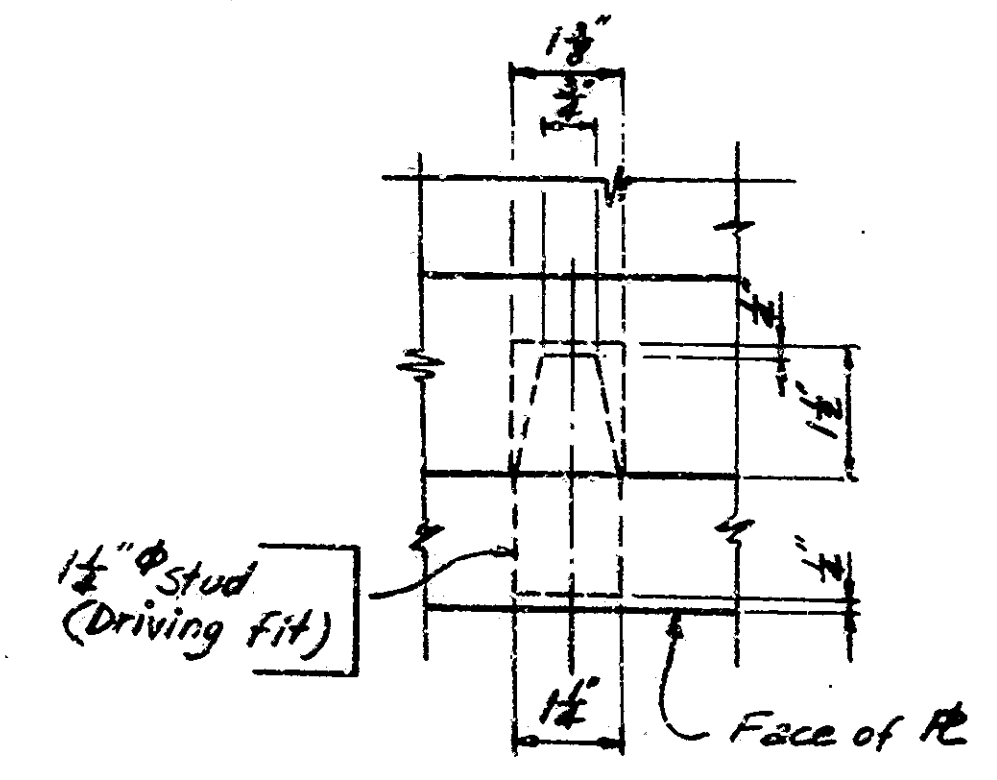
EXPANSION SHOE ES



TOP SHOE TS



EXPANSION PLATE EP

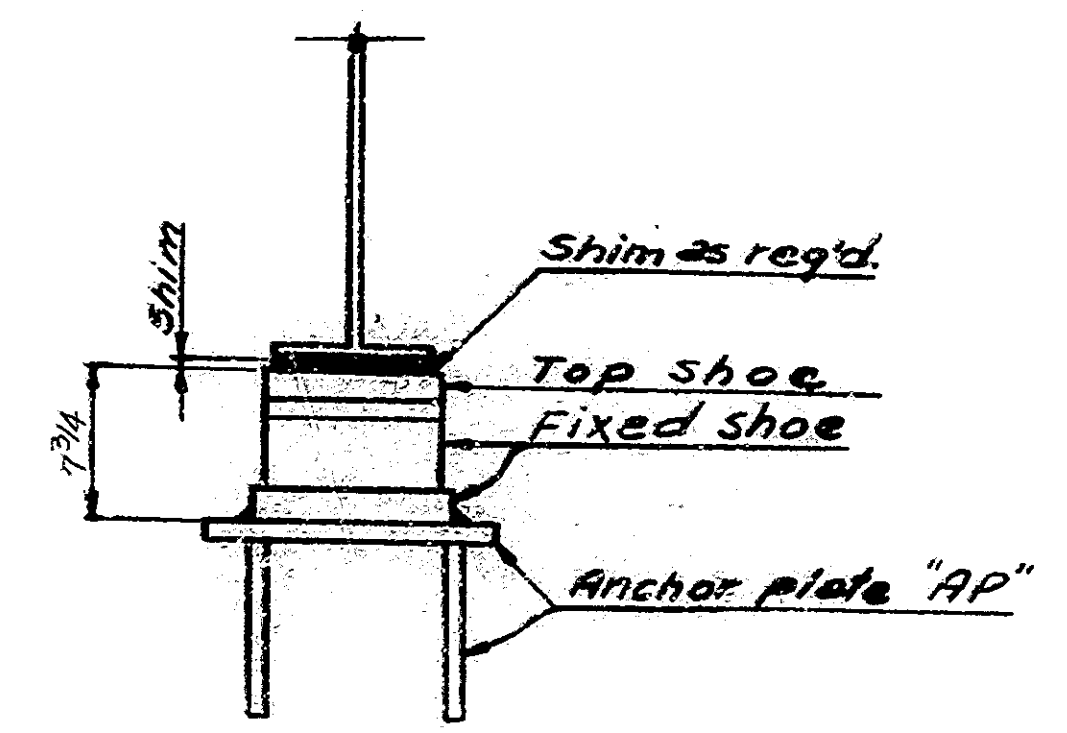


STUD DETAIL

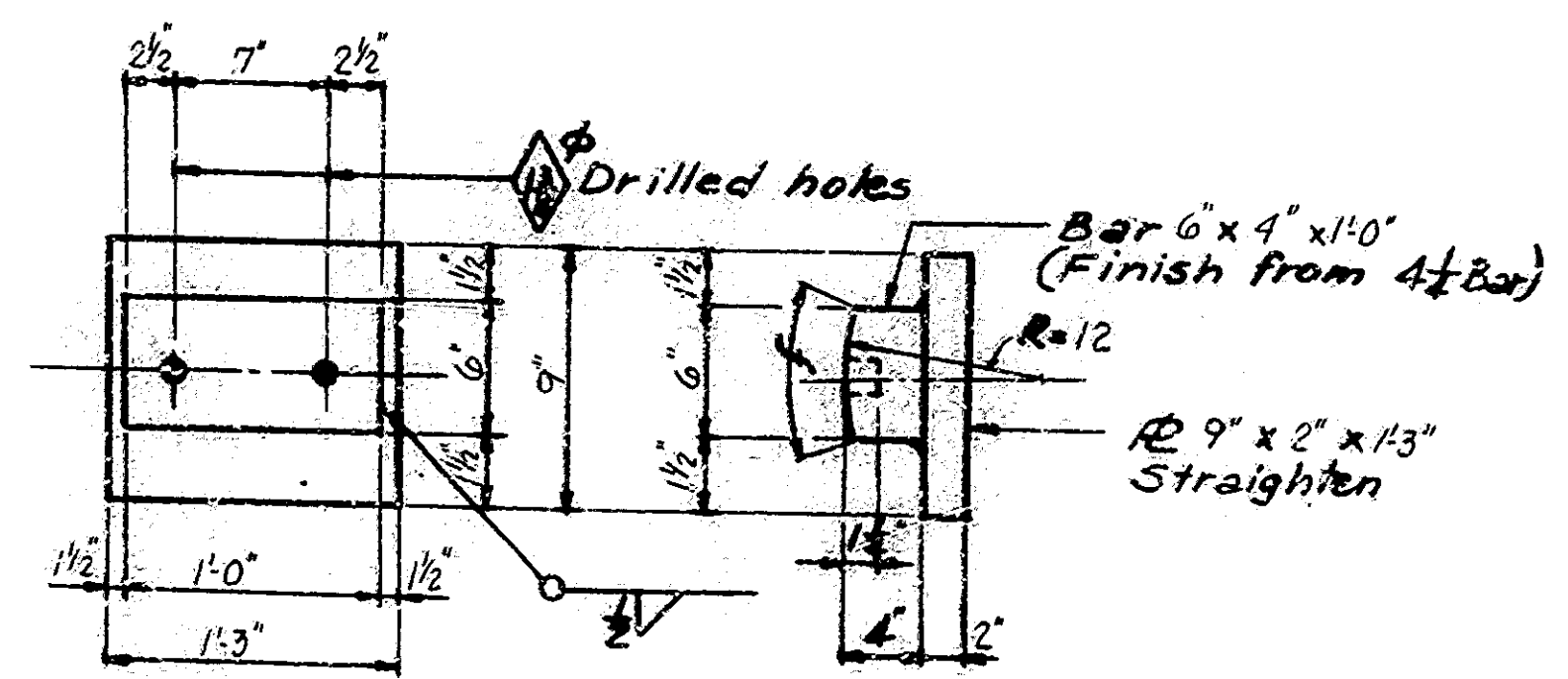
EXPANSION SHOE DIMENSIONS (inches)											
MARK	A	B	C	D	E	F	G	H	P	R	S
ES-1	4	12	1 1/2	2	11	1	8 1/4	15	2 1/2	7 1/2	3 1/2

TOP SHOE DIM. (in.)			
MARK	B	J	P
T5-1	12	1 1/2	2 1/2
T5-2	12	1 3/4	2 1/2

EXPANSION PLATE DIM. (in.)				
MARK	K	L	M	N
EP-1	4	15	9	1 1/2
EP-2	4	15	9	1 3/4



FIXED SHOE ASSEMBLY-TYPICAL



FIXED SHOE FS

See Drwg 52 for General Notes

SUPERSTRUCTURE BEARING DETAILS
INDIANA STATE HIGHWAY COMMISSION

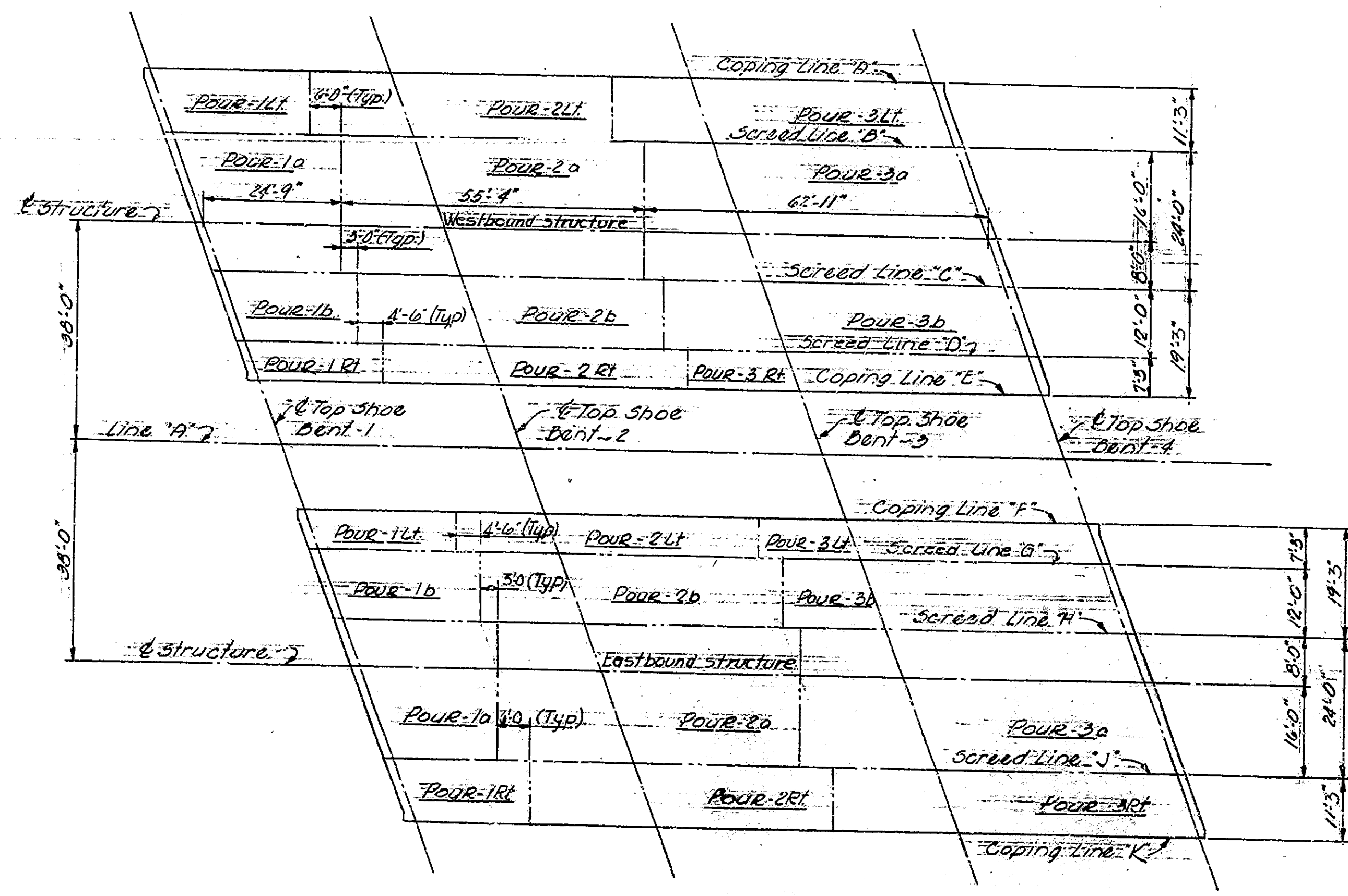
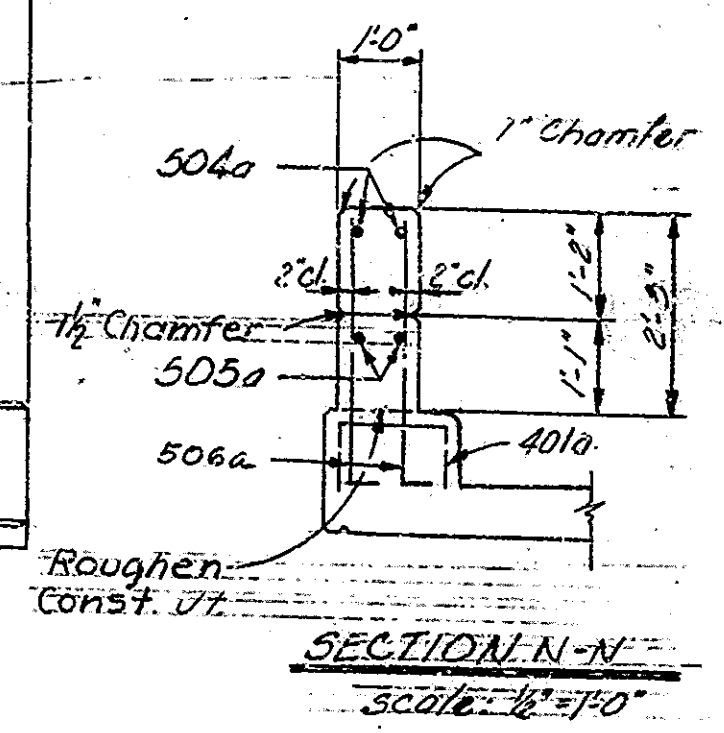
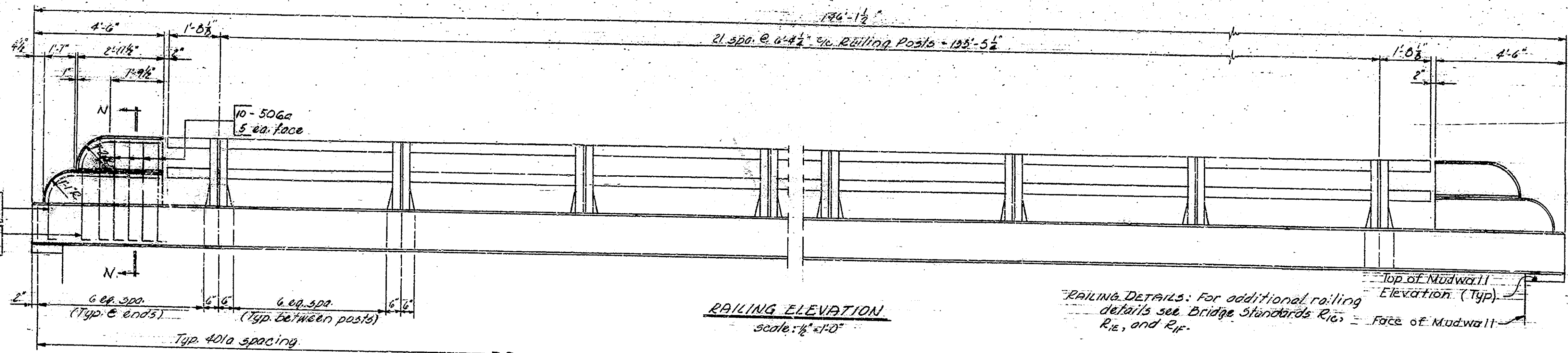
SCALE: No SCALE June 28, 1965

SUBMITTED FOR APPROVAL: Tom P. [Signature]

DRAWING: 512 OF 16
PROJECT: I-465-4 (136) 129
BRIDGE CONTRACT NO. B-7284
BRIDGE FILE: I-465-129-2578

DESIGNED: CKD, GEA
DRAWN: DALY, [Signature] CKD, GEA
TRACED: CKD

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-465-A (36)/129	1965	19	37



Pour Sequence: Sequence of pours to be made in the order of pour numbers. All construction joints in floor slab are optional and pours may be continuous provided the pour terminates at a construction joint indicated on the plan.

For additional details and notes see Drawings 513 & 515

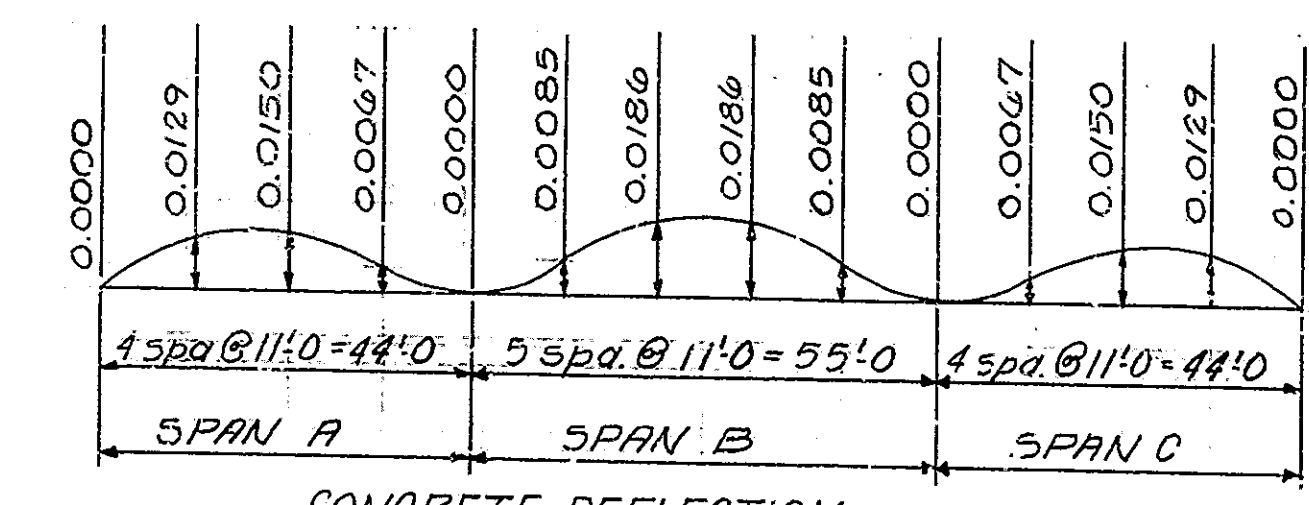
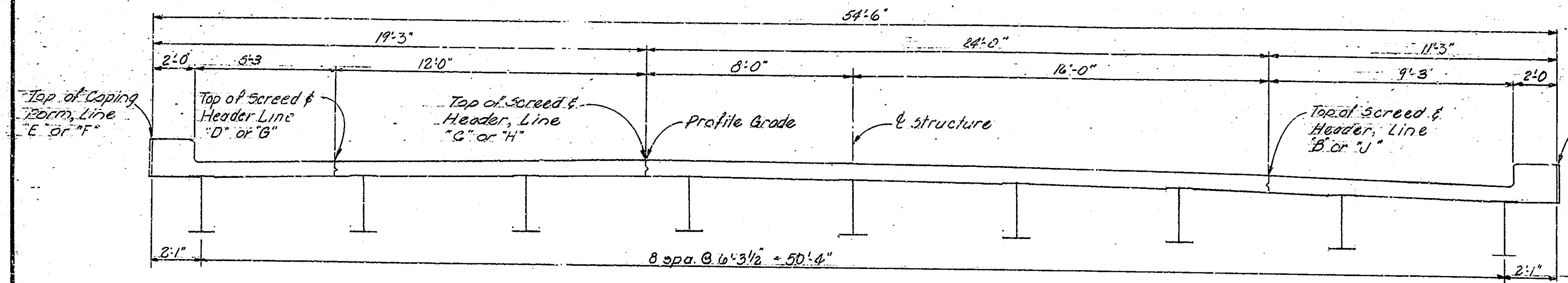
DESIGNED	FWD	CKD	GFA
DRAWN	BOB	CKD	GFA
TRACED		CKD	

INDIANA STATE HIGHWAY COMMISSION

SCALE: as shown
 SUBMITTED FOR APPROVAL: Tom R. [Signature]
 DRAWING: 514 OF 16
 PROJECT: I-465-A (130)129
 BRIDGE CONTRACT NO. B-7284
 BRIDGE FILE: I-465-129-2376

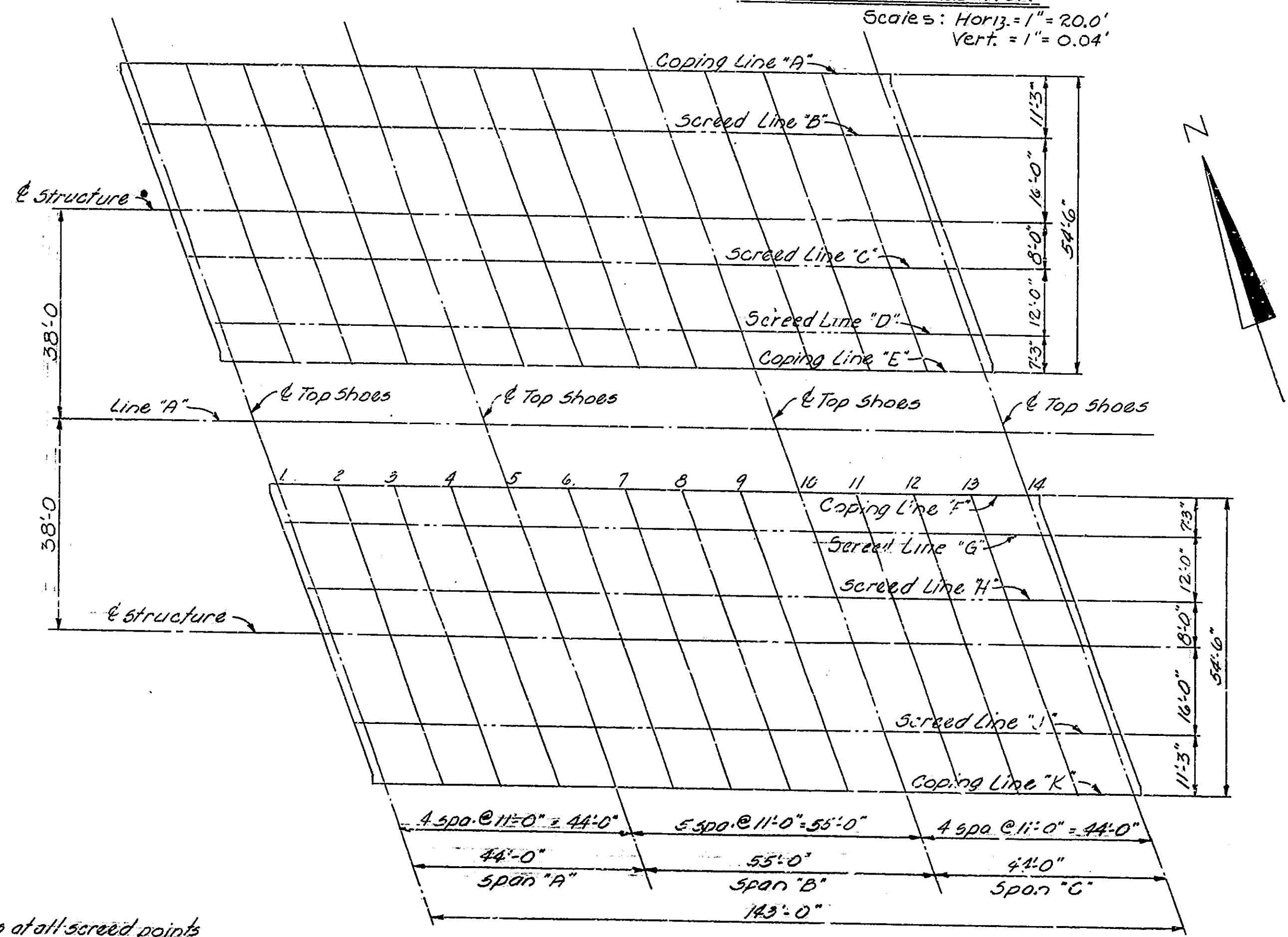
PROJECT NO.	LINE	SHEET	TOTAL SHEETS
I-465-A (130)129	79	79	97

BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.	1445-4 (136)129	1965	27	37



LINE	POINT	SPAN "A"				SPAN "B"				SPAN "C"					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
A	Elev. at top of coping form	834.055	833.990	833.905	833.810	833.710	833.620	833.525	833.415	833.295	833.170	833.045	832.925	832.800	832.655
A	Elev. at top of beam														
A	Dist. top of beam to top of coping														
B	Elev. at top of coping form	833.335	833.270	833.185	833.085	832.930	832.890	832.775	832.685	832.560	832.435	832.315	832.195	832.060	831.910
B	Elev. at top of beam														
B	Dist. top of beam to top of coping														
C	Elev. at top of coping form	833.520	833.445	833.360	833.255	833.150	833.055	832.955	832.840	832.715	832.580	832.460	832.335	832.200	832.045
C	Elev. at top of beam														
C	Dist. top of beam to top of coping														
D	Elev. at top of screed	833.390	833.315	833.225	833.120	833.015	832.915	832.815	832.700	832.570	832.435	832.315	832.185	832.045	831.890
D	Elev. at top of beam														
D	Dist. top of beam to top of screed														
E	Elev. at top of screed	834.120	834.045	833.955	833.840	833.735	833.640	833.535	833.420	833.290	833.155	833.030	832.905	832.760	832.605
E	Elev. at top of beam														
E	Dist. top of beam to top of screed														
F	Elev. at top of coping form	834.055	833.975	833.880	833.770	833.655	833.555	833.450	833.330	833.195	833.065	832.930	832.800	832.655	832.495
F	Elev. at top of beam														
F	Dist. top of beam to top of coping														
G	Elev. at top of coping form	833.280	833.200	833.105	832.995	832.880	832.775	832.670	832.550	832.415	832.275	832.145	832.015	831.865	831.705
G	Elev. at top of beam														
G	Dist. top of beam to top of coping														
H	Elev. at top of screed	833.335	833.255	833.155	833.045	832.930	832.820	832.715	832.590	832.455	832.310	832.180	832.050	831.900	831.735
H	Elev. at top of beam														
H	Dist. top of beam to top of screed														
J	Elev. at top of screed	832.910	832.820	832.720	832.605	832.485	832.360	832.235	832.105	831.970	831.835	831.705	831.575	831.435	831.285
J	Elev. at top of beam														
J	Dist. top of beam to top of screed														
K	Elev. at top of coping form	833.440	833.350	833.245	833.135	833.020	829.900	829.770	829.640	829.500	829.350	829.205	829.055	828.905	828.745
K	Elev. at top of beam														
K	Dist. top of beam to top of coping														

CROSS-SECTION FOR SCREEDS (E.B.L.)
scale: 3/8" = 1'-0"
(W.B.L. opposite hand)



PLAN OF SCREEDS
scale: 1/8" = 1'-0"

- SUPERSTRUCTURE GENERAL PROCEDURE**
- After the structural steel is erected, adjust the superstructure longitudinally so that the distance from the centerline of top shoe to the face of masonry is equal at bents 1 and 4.
 - With the superstructure in the adjusted position called for in (1) above, weld the anchor plates for the fixed shoes at bent number 3.
 - Adjust the expansion plates under each expansion shoe in accordance with Dimension "A" or "B" shown on Drawing 511 for prevailing temperature. Note that dimension "A" is always the distance from a vertical line through the centerline of top shoe in a direction away from the fixed shoe. Weld the anchor plates.

- After the shoes are set, take elevations at all screed points on top of the adjacent beams. Enter these elevations in the "Table of Screed Elevations". Subtract these elevations from the tabulated elevations and use the resulting dimension as the height for setting the screed or coping form above that point. This dimension remains constant regardless of how much or in what order the concrete is poured. Do not set screeds or coping forms by leveling.
- No concrete in the floor is to be poured until the above operations are completed.

GENERAL NOTES - see Drawing 511 for General Notes.

SCREED DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: - as noted
SUBMITTED FOR APPROVAL: *Tim E. McDermott, P.E.*
June 28, 1965
DRAWING: 516 OF 16
PROJECT: I-465-4 (136) 129
BRIDGE CONTRACT NO. B-7284
BRIDGE FILE: I-465-49-2370

DESIGNED: *END* C.W.D. G.E.A.
DRAWN: *END* C.W.D. G.E.A.
CHECKED: *END* C.W.D.

PROJECT NO.	LINE	SHEET	TOTAL	FILE
1465-4(136)129	"A"	27	37	1465-49-2370

