

BRIDGE CONTRACT NO. 6583

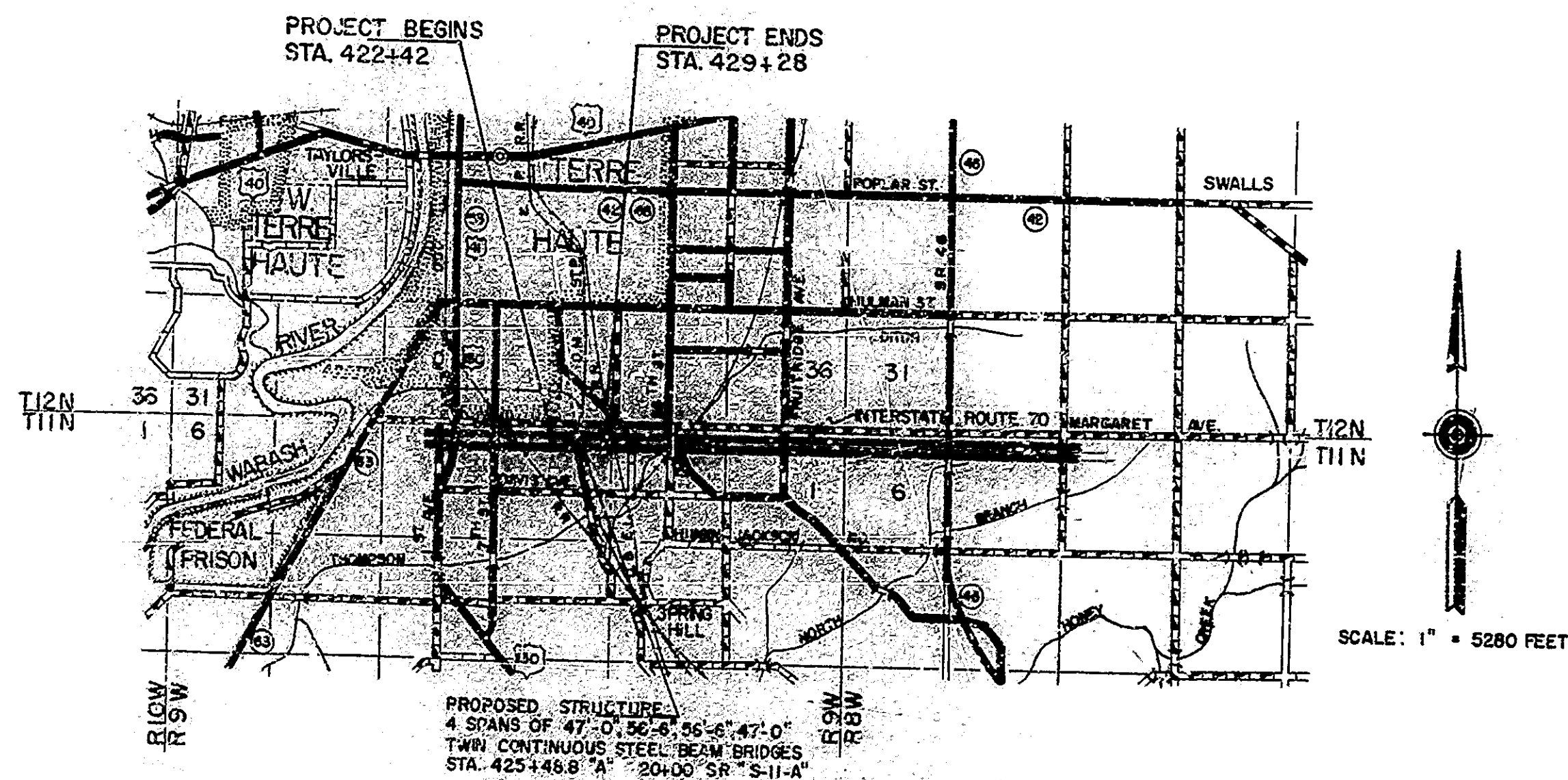
INDEX						
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION	CONTRACT NO.
I-70-1(26)8	I-70-8-2342	CONTINUOUS STEEL BEAM BRIDGES	4 @ 47'-0", 56'-6", 56'-6", 47'-0"	C.M. ST. PRR & CANAL ST.	425+48.8 LINE "A"	6583
SHEET NO.	SHEET DESIGNATION	SUBJECT				
1	ONE SHEET	INDEX & TITLE SHEET				
2	ONE SHEET (ROAD STD.)	STANDARD DIVIDED LANE SECTIONS (REV. 5-15-64) (O.P.R.A. 7-17-64)				
3-4	ROAD SHEETS #1 & 2	PLAN & PROFILE ROAD PROJECT I-70-1(17)7 (STA. 410+00 TO STA. 455+00)				
5	ONE SHEET	TEST BORINGS				
6	S1	LAYOUT				
7	S2	GENERAL PLAN				
8	S3	BENTS 1 & 3 DETAILS EAST BOUND				
9	S4	BENTS 1 & 3 DETAILS WEST BOUND				
10	S5	PIER 2 DETAILS				
11	S6	PIER 3 DETAILS				
12	S7	PIER 4 DETAILS				
13	S8	FRAMING PLAN				
14	S9	STRUCTURAL DETAILS				
15	S10	FLOOR DETAILS				
16	S11	FLOOR DETAILS & BILL OF MATERIALS				
17	S12	SCREEDS				
18	S13	TABLE OF ELEVATIONS				

STATE OF INDIANA  
STATE HIGHWAY COMMISSION

**BRIDGE PLANS**  
**FOR SPANS OVER 20 FEET**  
**ON**  
**INTERSTATE ROUTE NO. 70 SECTION NO. 1**  
**F.A.I. PROJECT NO. I-70-1(26)8**  
**INTERSTATE HIGHWAY OVER C.M. ST. PRR & CANAL STREET**

BEGINNING AT A POINT APPROXIMATELY 2121 FEET WEST OF THE EAST LINE OF SEC. 3, T11N, R9W AND APPROXIMATELY 696 FEET SOUTH OF THE NORTH LINE OF SAID SEC. 3 AND RUNNING EASTERLY 686 FEET TO A POINT APPROXIMATELY 1436 FEET WEST OF THE EAST LINE OF SAID SEC. 3 AND APPROXIMATELY 866 FEET SOUTH OF THE NORTH LINE OF SAID SEC. 3

ROADWAY LENGTH = 0.090 MI.  
BRIDGE LENGTH = 0.040 MI.  
TOTAL LENGTH = 0.130 MI.  
MAX. GRADE = 1.42 %



VIGO COUNTY

BRIDGES OVER 20' SPAN					
PUBLIC ROAD NUMBER	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
4	IND.	1-70-1(26)8	1864	1	43

INDEX CONTINUED STANDARD DRAWINGS				
SHEET NO.	SHEET DESIGNATION	SUBJECT	A.P.R. APPROVAL	ADOPTED DATE
23	BRIDGE STD. C1	STANDARD MISCELLANEOUS DETAILS	8-21-63	8-21-63
24	BRIDGE STD. C2	STANDARD MISCELLANEOUS DETAILS		
25	BRIDGE STD. D	CASTING DETAILS ROADWAY DRAINS		
26	BRIDGE STD. E	ROADWAY DRAIN OUTLET DETAILS		
27	BRIDGE STD. F	TYP. DETAILS OF THICK PAVEMENT & LOC. TOE OF S.I. A.E.W.		
28	BRIDGE STD. G	TYP. DETAILS OF THICK PAVEMENT & LOCATING TOE OF SLOPE		
29	BRIDGE STD. H	MISCELLANEOUS APPROACH DETAILS		
30	BRIDGE STD. I	MISCELLANEOUS APPROACH DETAILS		
31	BRIDGE STD. J	MISCELLANEOUS APPROACH DETAILS		
32	BRIDGE STD. K	MISCELLANEOUS APPROACH DETAILS		
33	BRIDGE STD. L	MISCELLANEOUS APPROACH DETAILS		
34	BRIDGE STD. M	MISCELLANEOUS APPROACH DETAILS		
35	BRIDGE STD. N	MISCELLANEOUS APPROACH DETAILS		
36	BRIDGE STD. O	MISCELLANEOUS APPROACH DETAILS		
37	BRIDGE STD. P	MISCELLANEOUS APPROACH DETAILS		
38	BRIDGE STD. Q	MISCELLANEOUS APPROACH DETAILS		
39	BRIDGE STD. R	MISCELLANEOUS APPROACH DETAILS		
40	BRIDGE STD. S	MISCELLANEOUS APPROACH DETAILS		
41	BRIDGE STD. T	MISCELLANEOUS APPROACH DETAILS		
42	BRIDGE STD. U	MISCELLANEOUS APPROACH DETAILS		
43	BRIDGE STD. V	MISCELLANEOUS APPROACH DETAILS		

TRAFFIC DATA	
A.D.T. (1964)	10,368 V.P.D.
A.D.T. (1975 PROJECTED)	23,904 V.P.D.
TRUCKS	12 %
DESIGN SPEED	70 M.P.H.
ACCESS CONTROL	FULL

\* INDICATES STANDARDS NOT APPROVED BY THE BUREAU OF PUBLIC ROADS AS OF THE DATE OF THESE PLANS

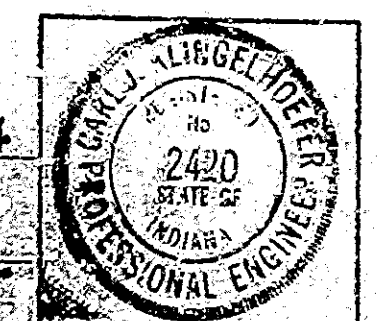
INDIANA STATE HIGHWAY COMMISSION  
STANDARD SPECIFICATIONS DATED 1963  
TO BE USED WITH THESE PLANS.

PREPARED AND SUBMITTED BY  
HURST-ROSCHE & ASSOCIATES  
CONSULTING ENGINEERS  
HILLSBORO, ILLINOIS  
*[Signature]*

E-26-64

REVISIONS	
DATE	SHEET NO.

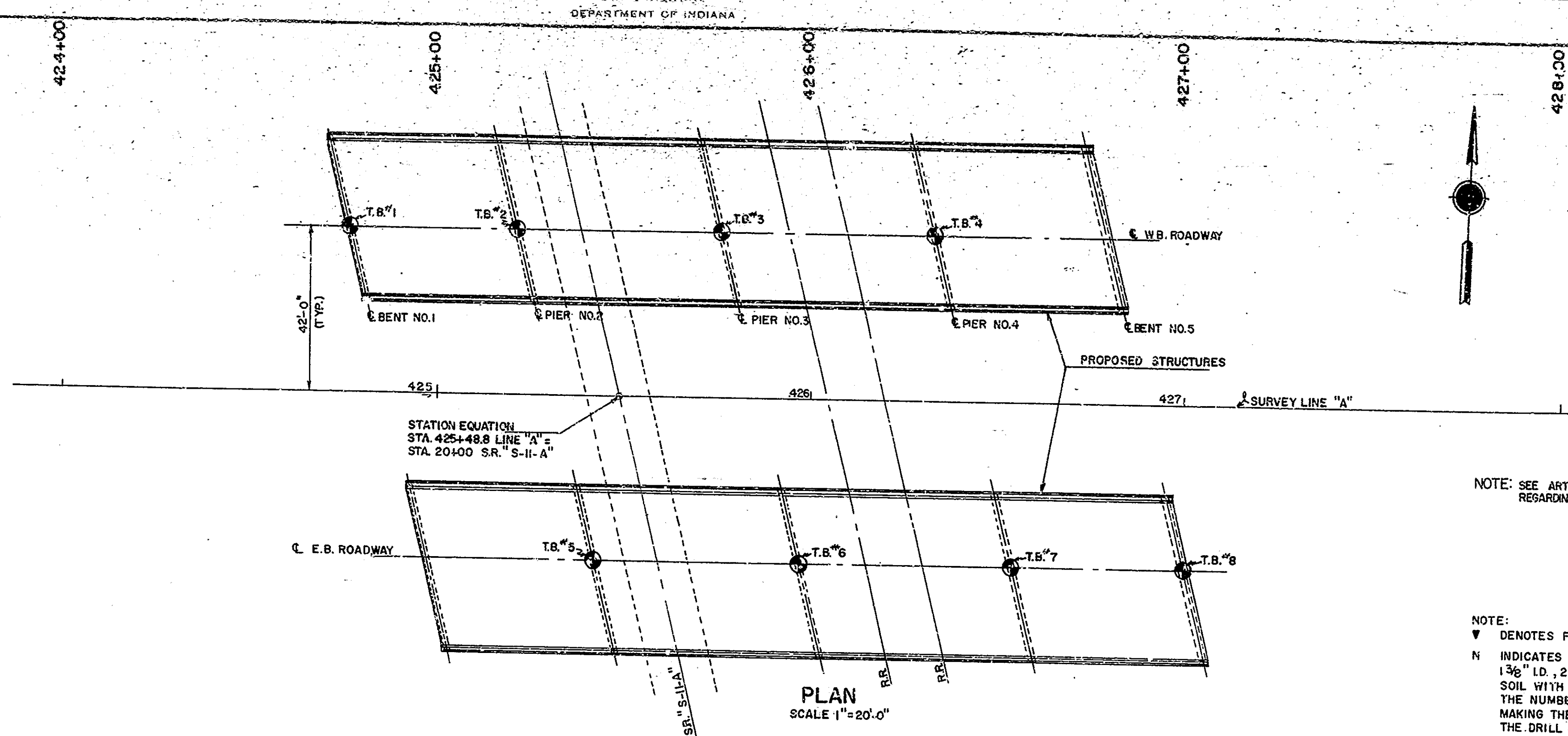
RECOMMENDED FOR APPROVAL 10-5-64  
*[Signature]*



APPROVED: 11-9-64  
*[Signature]*  
CHIEF ENGINEER, BUREAU OF PUBLIC ROADS  
DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS  
APPROVED: \_\_\_\_\_  
DIVISION ENGINEER  
DATE: \_\_\_\_\_

BRIDGE FILE: I-70-8-2342





STATION EQUATION  
STA. 425+48.8 LINE "A"  
STA. 20+00 S.R. "S-II-A"

PLAN  
SCALE 1"=20'-0"

NOTE: SEE ARTICLE A-203 OF THE SPECIFICATIONS  
REGARDING TEST PIT DATA

NOTE:  
▼ DENOTES FREE GROUND WATER TABLE  
N INDICATES THE NUMBER OF BLOWS REQUIRED TO DRIVE A  
1 3/8" I.D., 2" O.D. SAMPLER A DISTANCE OF 10' INTO UNDISTURBED  
SOIL WITH A 140 LB. HAMMER FREE FALLING A DISTANCE OF 300"  
THE NUMBER OF HAMMER BLOWS FOR SEATING THE SPOON AND  
MAKING THE TESTS ARE RECORDED FOR EACH 6.0' OF PENETRATION ON  
THE DRILL LOG (EXAMPLE - 6/8/9). THE STANDARD PENETRATION  
TEST RESULTS CAN BE OBTAINED BY ADDING THE LAST TWO FIGURES  
(i.e. 8+9=17 BLOWS/FT.).

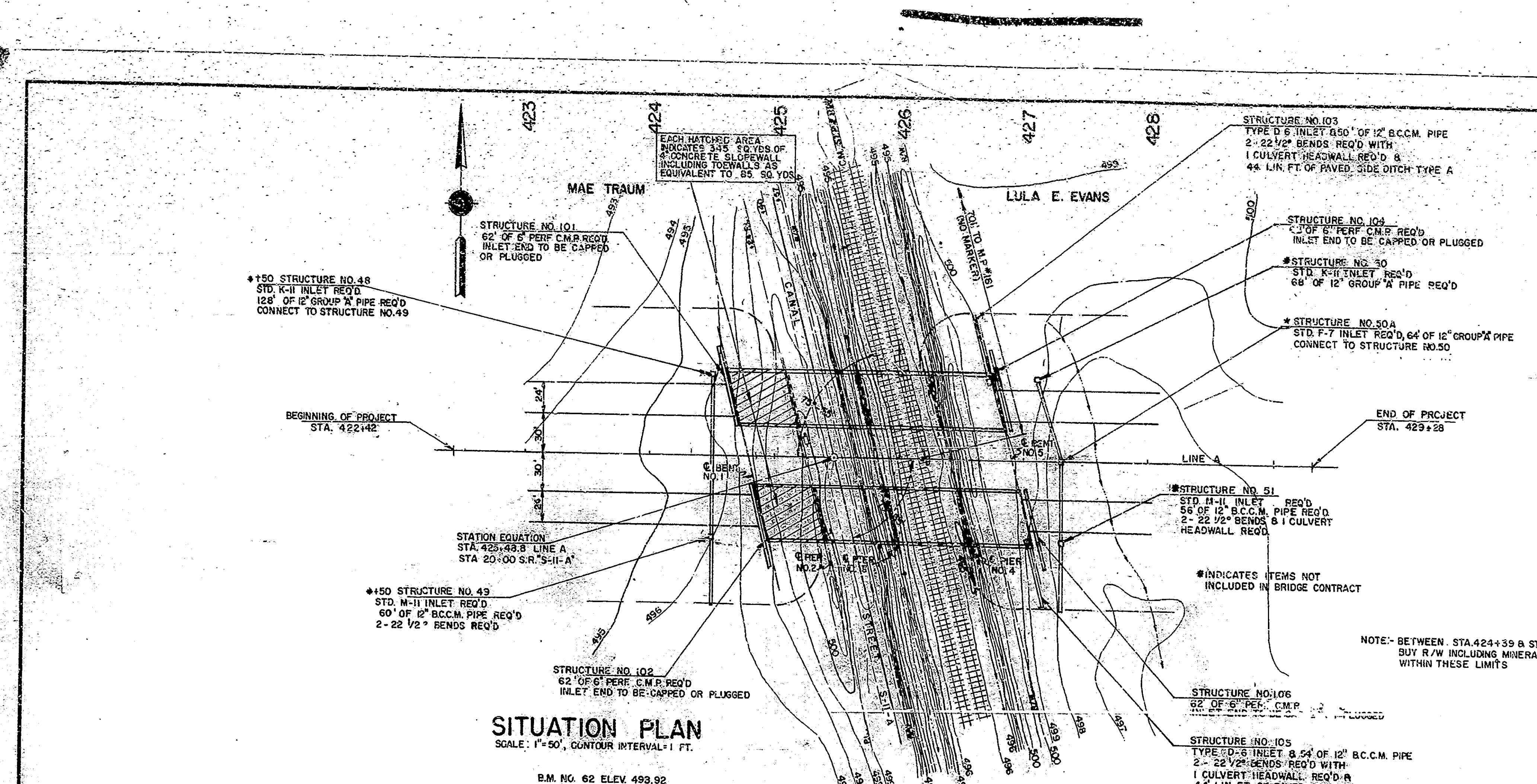
BORING NO.	T.B.#1	T.B.#2	T.B.#3	T.B.#4	T.B.#5	T.B.#6	T.B.#7	T.B.#8
STATION	424+72.66	425+20.16	425+76.6	426+33.16	425+41.22	425+97.7	425+54.22	427+01.72
OFFSET	42 FT.	42 FT.	42 FT.	42 FT.	42 FT.	42 FT.	42 FT.	42 FT.
GROUND ELEV.	497.3	499.8	499.1	497.0	499.1	499.5	498.5	499.6
497	1 497.3 3/4	1 494.8 3/3	1 493.1 2/2	1 494.1 3/2	1 493.5 3/2	1 493.5 3/2	1 494.6 3/3	1 498.5 3/3
492	2 492.3 3/4	2 489.8 2/4	2 491.1 2/2	2 492.0 2/2	2 491.5 2/2	2 491.5 2/2	2 494.6 3/3	2 496.3 3/3
487	3 487.3 4/6	3 484.8 5/9	3 488.1 5/10	3 487.0 4/4	3 486.1 5/7	3 485.5 6/8	3 488.5 4/4	3 489.0 4/6
482	4 482.3 6/15	4 479.8 5/9	4 483.1 5/11	4 482.0 4/4	4 481.1 5/7	4 480.5 6/8	4 483.5 4/4	4 484.6 5/7
477	5 477.3 9/17	5 474.8 14/23	5 478.1 16/24	5 477.0 3/3	5 476.1 8/15	5 475.5 10/18	5 478.5 10/10	5 480.5 8/8
472	6 472.3 21/25	6 469.8 17/23	6 473.1 17/21	6 472.0 9/9	6 471.1 20/22	6 470.5 12/25	6 473.5 10/17	6 475.6 18/22
467	7 467.3 17/25	7 464.8 13/23	7 468.1 12/16	7 467.0 11/11	7 466.1 15/14	7 465.5 13/14	7 468.5 11/10	7 469.6 15/15
462	8 462.3 10/20	8 459.8 10/20	8 463.1 10/14	8 462.0 9/9	8 461.1 10/17	8 460.5 10/18	8 463.5 9/13	8 465.6 13/18
457	9 457.3 9/17	9 454.8 9/17	9 458.1 9/11	9 457.0 8/8	9 456.1 11/14	9 455.5 9/16	9 458.5 9/16	9 459.6 14/16
452	10 452.3 11/17	10 449.8 11/17	10 453.1 11/17	10 452.0 11/17	10 451.1 11/17	10 450.5 11/17	10 453.5 11/17	10 454.6 11/17
447	11 447.3 11/17	11 444.8 11/17	11 448.1 11/17	11 447.0 11/17	11 446.1 11/17	11 445.5 11/17	11 448.5 11/17	11 449.6 11/17

PLAN  
NOTE: SEE ARTICLE A-203 OF THE SPECIFICATIONS  
REGARDING TEST PIT DATA

PROFILE  
NOTE: SEE ARTICLE A-203 OF THE SPECIFICATIONS  
REGARDING TEST PIT DATA

TEST BORINGS  
SCALE: HORIZ. 1"=20', VERT. 1"=5'-0"  
SUBMITTED FOR APPROVAL  
PROJECT I-70-1268  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342

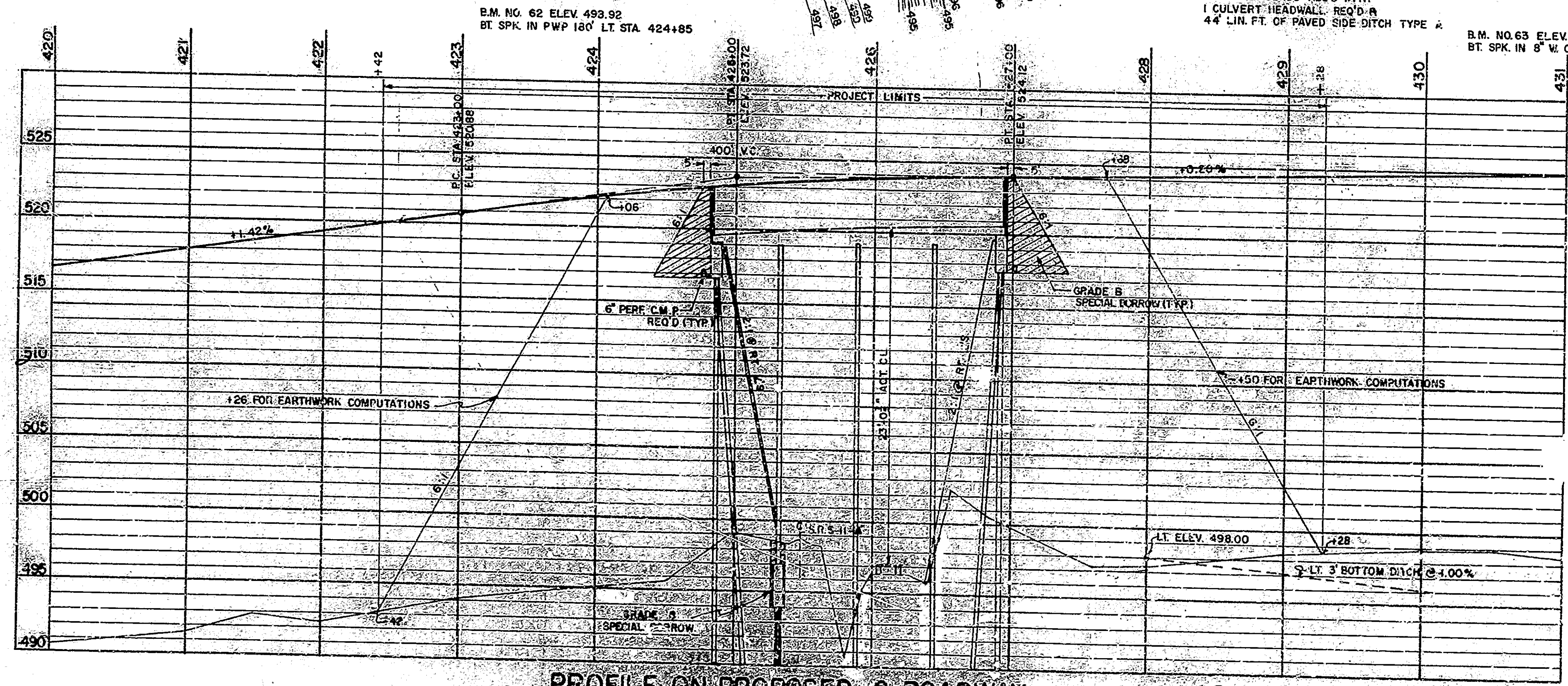




BRIDGES OVER 20' SPAN					
PIE. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.	I-70-1	1964	6	43
		(2618)			

**EARTHWORK TABULATION**

FILL +20% = 75,914 CU. YDS.  
GRADE B SPEC. BORROW = 1,120 CU. YDS.  
COMMON EXCAVATION = 21 CU. YDS.  
SURPLUS EXCAVATION = 210 CU. YDS.  
SPECIAL BORROW = 74,563 CU. YDS.

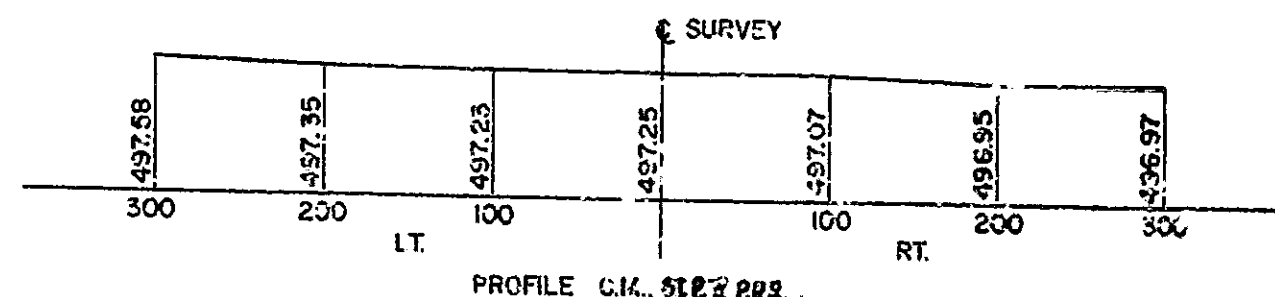


**UTILITIES**

PUBLIC SERVICE CO. OF INDIANA  
725 WABASH AVENUE  
TERRE HAUTE, INDIANA

GENERAL TELEPHONE CO. OF INDIANA  
711 POPLAR STREET  
TERRE HAUTE, INDIANA

AMERICAN TELEPHONE & TELEGRAPH CO.  
665 OHIO STREET  
TERRE HAUTE, INDIANA  
PHONE CR. 4228



**TWIN CONTINUOUS STEEL BEAM BRIDGES**  
4 SPANS OF 47'-0", 56'-6", 56'-6", 47'-0", 39'-6" ROADWAY  
INTERSTATE HIGHWAY OVER C.M. ST. 22R.  
14°-05' SKEW LT.

**STATE HIGHWAY DEPARTMENT OF INDIANA**  
VIGO COUNTY

SCALE: AS NOTED

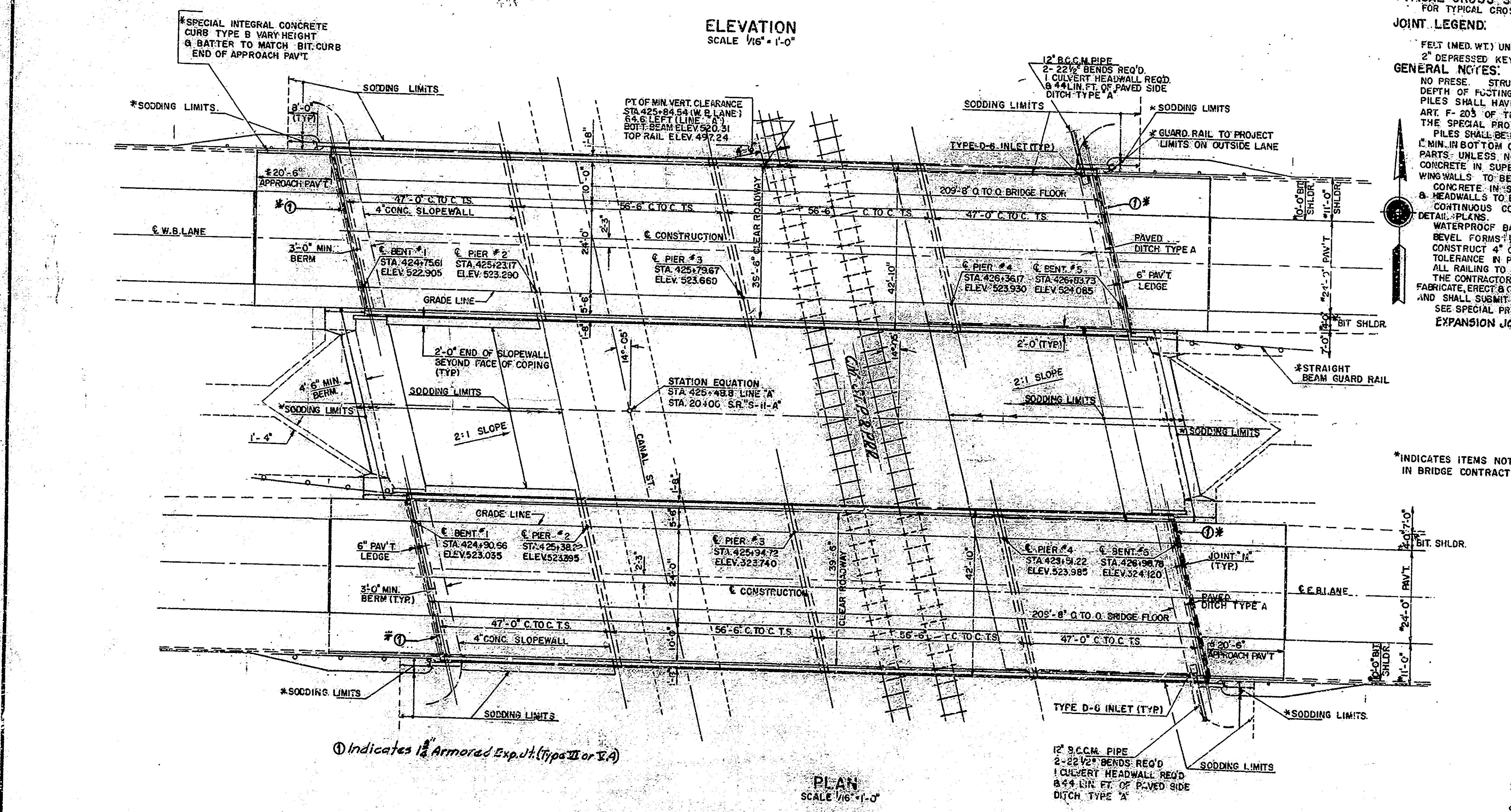
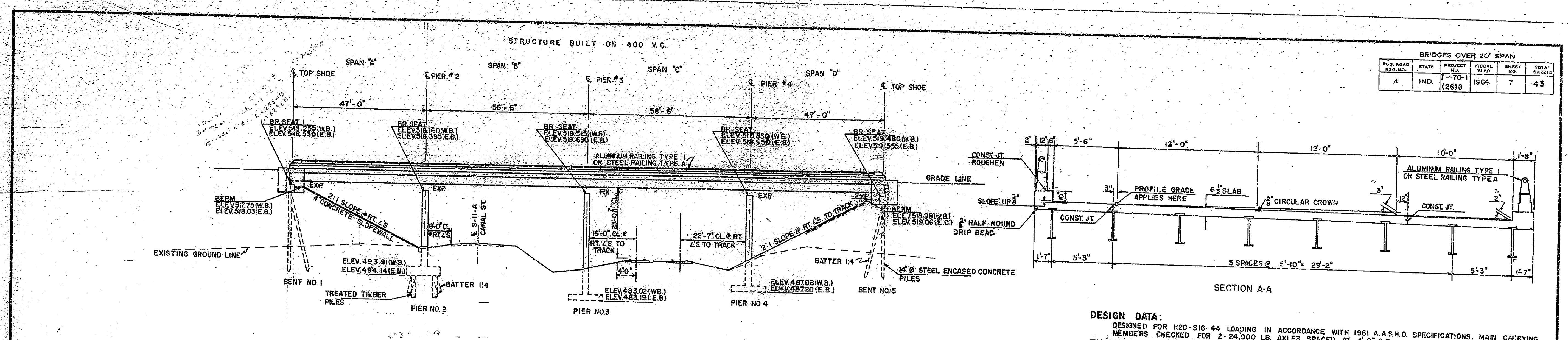
SUBMITTED FOR APPROVAL: *[Signature]*

DRAWING: S1 OF S13  
PROJECT: I-70-1(2618)  
BRIDGE CONTRACT NO. 6563  
BRIDGE FILE: I-70-8-2392

8-26-64

DESIGNED: B.K.	CWD	G.P.
DRAWN: J.E.	CWD	G.P.
TRACED: J.P.E.	CWD	B.K.





**DESIGN DATA:**  
 DESIGNED FOR H20-S16-44 LOADING IN ACCORDANCE WITH 1961 A.A.S.H.O. SPECIFICATIONS. MAIN CARRYING MEMBERS CHECKED FOR 2-24,000 LB. AXLES SPACED AT 4'-0" O.C.

**TYPICAL CROSS SECTION:**  
 FOR TYPICAL CROSS SECTION SEE STANDARD DIVIDED LANE SECTIONS FOR INTERSTATE PROJECTS, SHEET NO.2

**JOINT LEGEND:**  
 \* FELT (MED. WT.) UNDER HORIZONTAL BEARING SURFACES AND 1/4" EXPANSION JT. MATERIAL ALONG VERT. SIDE OF DEPRESSED KEYWAYS IN MUDWALL.

**GENERAL NOTES:**  
 NO PRE-CAST STRUCTURE AT PROPOSED BRIDGE SITE.  
 DEPTH OF FOOTINGS TO BE EXTENDED IF FOUND NECESSARY. SEE ARTICLE B403.2(A) OF THE SPECIFICATIONS. PILES SHALL HAVE MINIMUM BEARING VALUE SHOWN ON DETAIL DRAWINGS. DETERMINE PILE LENGTHS BY THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES OF THE SPECIFICATIONS.  
 PILES SHALL BE DRIVEN TO ELEV. NECESSARY TO OBTAIN DESIRED BEARINGS. REINSTEEL COVERING SHALL BE 1 1/2" IN TOP AND PARTS UNLESS NOTED. CONCRETE IN FOOTING & PIER STEMS TO CONSTR. JT. NO. 1 TO BE CLASS "E". ALL OTHER CONCRETE IN SUPERSTRUCTURE, INCLUDING RAILING, BENT CAPS, TOP OF PIERS ABOVE CONSTR. JT. NO. 1 AND WING WALLS TO BE CLASS "F".  
 CONCRETE IN STRUCTURE NOT NOTED ABOVE, IN STEEL ENCASED CONCRETE PILES, CONCRETE SLOPEWALLS & HEADWALLS TO BE CLASS "D".  
 CONTINUOUS CONCRETE POURS SHALL BE REQUIRED BETWEEN CONSTRUCTION JOINTS AS SHOWN ON WATERPROOF BACK OF MUDWALL & WINGS AT END BENTS IN ACCORDANCE WITH SPECIFICATIONS. BEVEL FORMS 1/4" UNDER COPINGS, AND CHAMFER EXPOSED EDGES 1" UNLESS NOTED.  
 CONSTRUCT 4" CONCRETE SLOPEWALLS AT LOCATIONS AS SHOWN ON LAYOUT.  
 TOLERANCE IN POSITION OF PILE HEAD MAXIMUM 2".  
 ALL RAILING TO BE CONSTRUCTED PERPENDICULAR TO GRADE.  
 THE CONTRACTOR SHALL PREPARE DETAILED WORKING DRAWINGS OR SHOP DRAWINGS TO ENABLE HIM TO FABRICATE, ERECT & CONSTRUCT ALL PARTS OF THE WORK IN CONFORMITY WITH THE ENGINEERS DRAWINGS & SPECIFICATION AND SHALL SUBMIT FIVE (5) COPIES OF THESE TO THE ENGINEER. SEE ARTICLE 1103.2 OF THE SPECIFICATIONS FOR SPECIAL PROVISIONS FOR ITEMS INCLUDED IN THIS CONTRACT.  
 EXPANSION JOINT ARMOR TO CONFORM TO ROADWAY CROWN.

BR. STD. ROAD STD.	PURPOSE
C1	NOTCH IN SLAB @ END OF BEAMS, METHOD OF SPLICING STEEL PILE SHEETS
M	BAR BENDING DETAILS, TEST BAR SAMPLES, REINFORCING BAR NOTES
M1	LIMITS FOR BRIDGE CONTRACT, TYPE A PAVED SIDE DITCH
M2	SLOPEWALL & DRAINAGE DETAILS
RIA	ALUMINUM RAILING DETAILS
RS-B	STEEL RAILING DETAILS
S2	DETAILS FOR PLACING GRADE B SPECIAL BORROW
J	EXPANSION JOINTS
MP	KINDS OF PIPE FOR SURFACE DRAINAGE
MR-1	PIPE GAUGES
MA	PAVEMENT OFFSETS
MC	TYPE S CASTING
MD	TYPE D INLET
ME	HEADWALLS
MN	BACKFILL FOR PILES
SHEET 1	CONSTRUCTION IDENTIFICATION SIGNS
SHEET 2	STANDARD DETOUR SIGNS
SHEET 3	STANDARD DETOUR SIGNS
SHEET 3A	STANDARD DETOUR SIGNS
SHEET 5	SIGN DESIGN DETAILS

**GENERAL PLAN**  
 TWIN CONTINUOUS STEEL BEAM BRIDGES  
 4 SPANS OF 47'-0", 56'-6", 56'-6", 47'-0" & 39'-6" ROADWAY  
 OVER CANAL ST. & C.M. ST. & RR. ON I-70 SKEW 14°-05' E.

**STATE HIGHWAY DEPARTMENT OF INDIANA**  
 WAGO COUNTY

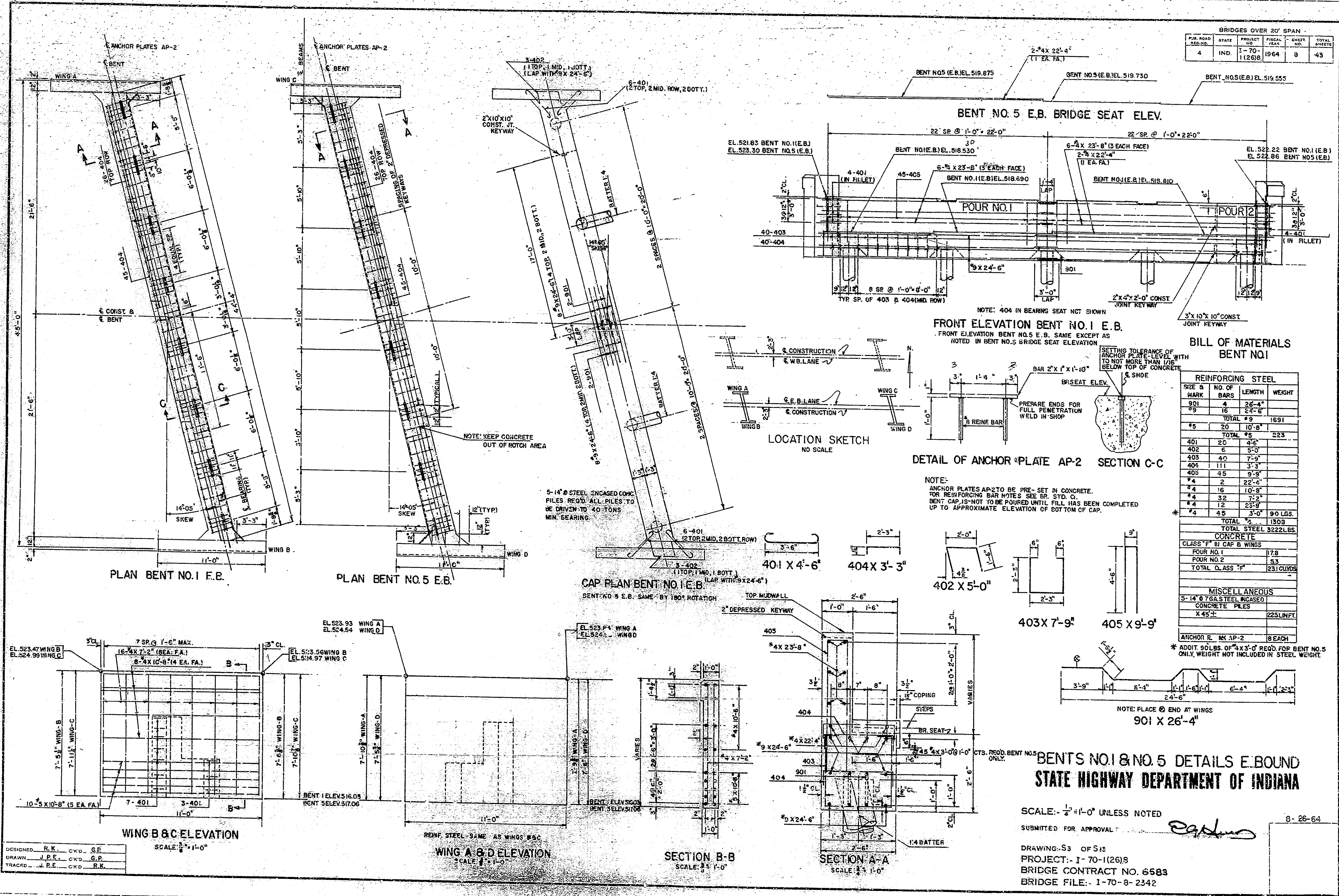
SCALE: AS NOTED  
 SUBMITTED FOR APPROVAL *Caplan*  
 DRAWING: S2 OF S18  
 PROJECT: 1-70-1(26) 8  
 BRIDGE CONTRACT NO. 6583  
 BRIDGE FILE: 1-70-8-2342

8-26-64

DESIGNED	R.K.	CHK'D	G.P.
DRAWN	DE	CHK'D	G.P.
TRACED	DE	CHK'D	R.K.



BRIDGES OVER 20' SPAN					
PUB. ROAD NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-1(26)8	1964	8	45



**BENT NO. 5 E.B. BRIDGE SEAT ELEV.**

**FRONT ELEVATION BENT NO. 1 E.B.**  
 FRONT ELEVATION BENT NO. 5 E.B. SAME EXCEPT AS NOTED IN BENT NO. 5 BRIDGE SEAT ELEVATION

**BILL OF MATERIALS BENT NO. 1**

REINFORCING STEEL			
SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT
#9	4	26'-4"	
#9	16	24'-8"	
TOTAL #9			1691
#5	20	10'-8"	
TOTAL #5			223
401	20	4'-6"	
402	6	5'-0"	
403	40	7'-9"	
404	111	3'-3"	
405	45	2'-5"	
#4	2	22'-4"	
#4	16	10'-9"	
#4	32	7'-2"	
#4	12	23'-9"	
#4	45	3'-0"	90 LBS.
TOTAL #4			1303
TOTAL STEEL 3222 LBS.			
CONCRETE			
CLASS #1 CAP & WINGS			
POUR NO. 1		17.8	
POUR NO. 2		53	
TOTAL CLASS #1			231 CUBIC YDS.
MISCELLANEOUS			
5-1/4" @ 7 GA. STEEL ENCASED CONCRETE PILES			
X 45 ±			225 LBS.
ANCHOR PLATE AP-2			8 EACH

**DETAIL OF ANCHOR PLATE AP-2 SECTION C-C**

**BENTS NO. 1 & NO. 5 DETAILS E. BOUND**

**STATE HIGHWAY DEPARTMENT OF INDIANA**

SCALE: 1/4" = 1'-0" UNLESS NOTED

SUBMITTED FOR APPROVAL

DRAWING: S3 OF S12  
 PROJECT: 1-70-1(26)8  
 BRIDGE CONTRACT NO. 6583  
 BRIDGE FILE: 1-70-8-2342

8-26-64

DESIGNED: R.K. CKD: G.P.  
 DRAWN: J.P.E. CKD: G.P.  
 TRACED: J.P.E. CKD: R.K.

**WING B & C ELEVATION**  
 SCALE: 3/8" = 1'-0"

**WING A & D ELEVATION**  
 SCALE: 3/8" = 1'-0"

**SECTION B-B**  
 SCALE: 3/8" = 1'-0"

**SECTION A-A**  
 SCALE: 3/8" = 1'-0"

NOTE: PLACE @ END AT WINGS  
 901 X 26'-4"

NOTE: ANCHOR PLATES AP-2 TO BE PRE-SET IN CONCRETE. FOR REINFORCING BAR NOTES SEE BR. STD. C. BENT CAP IS NOT TO BE POURED UNTIL FILL HAS BEEN COMPLETED UP TO APPROXIMATE ELEVATION OF BOTTOM OF CAP.

NOTE: KEEP CONCRETE OUT OF NOTCH AREA

NOTE: 404 IN BEARING SEAT NOT SHOWN

SETTING TOLERANCE OF ANCHOR PLATE LEVEL WITH NOT MORE THAN 1/16" BELOW TOP OF CONCRETE

PREPARE ENDS FOR FULL PENETRATION WELD IN SHOP

LOCATION SKETCH  
 NO SCALE

**CAP PLAN BENT NO. 1 E.B.**  
 BENT NO. 5 E.B. SAME BY 180° ROTATION

NOTE: 5-1/4" @ 7 GA. STEEL ENCASED CONCRETE PILES REQ'D. ALL PILES TO BE DRIVEN TO 40 TONS MIN. BEARING.

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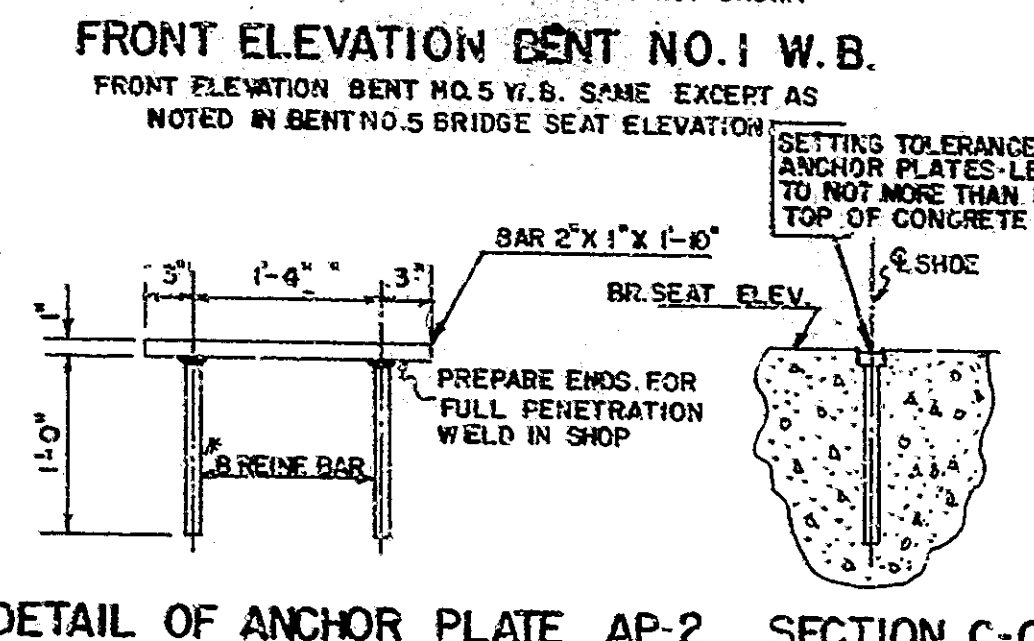
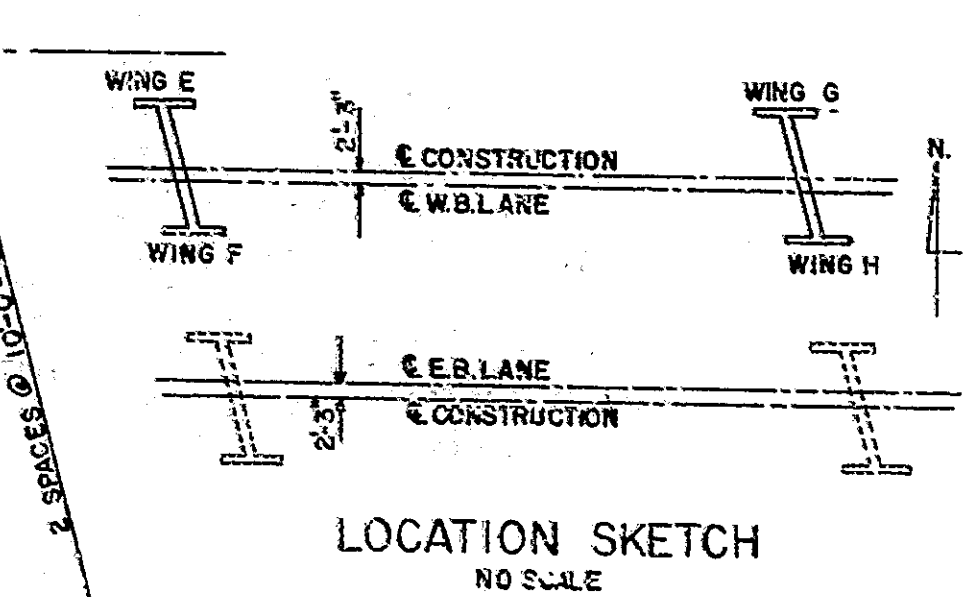
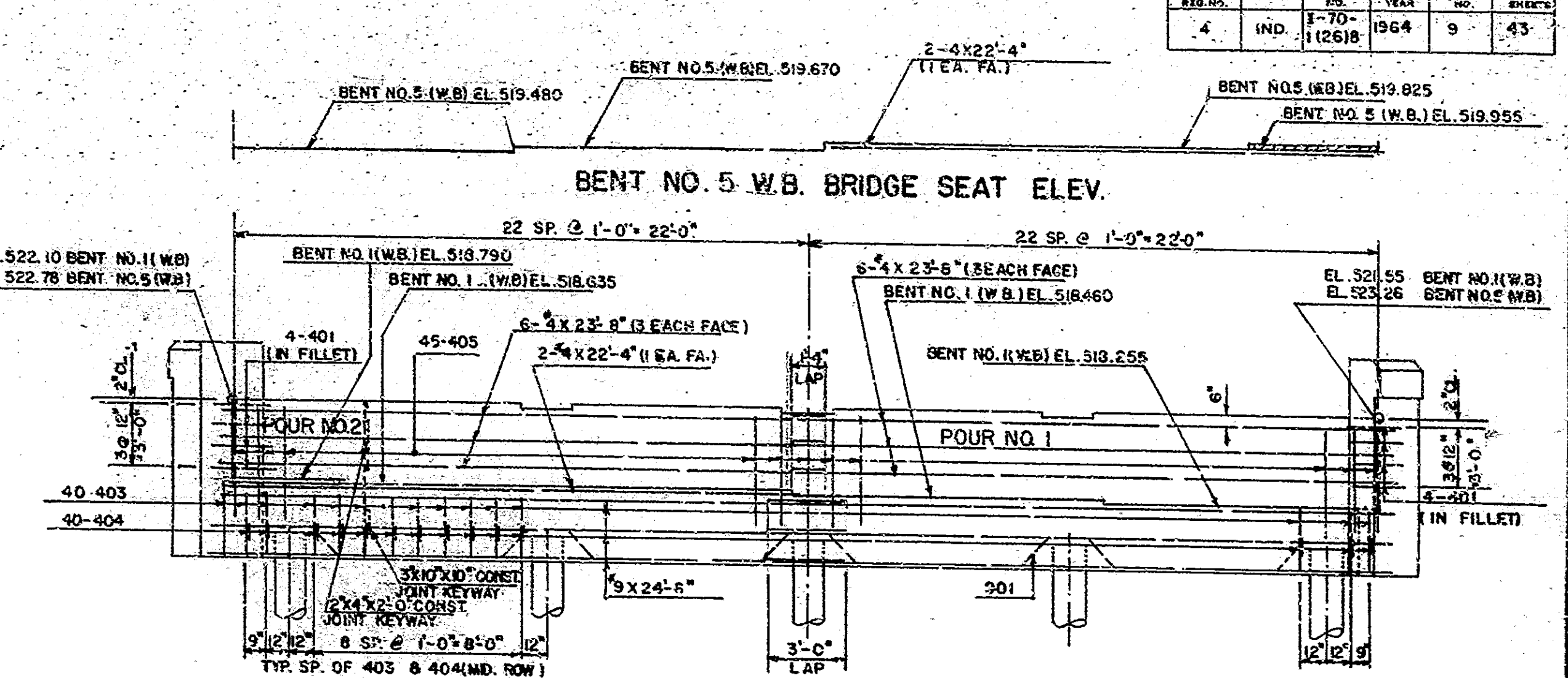
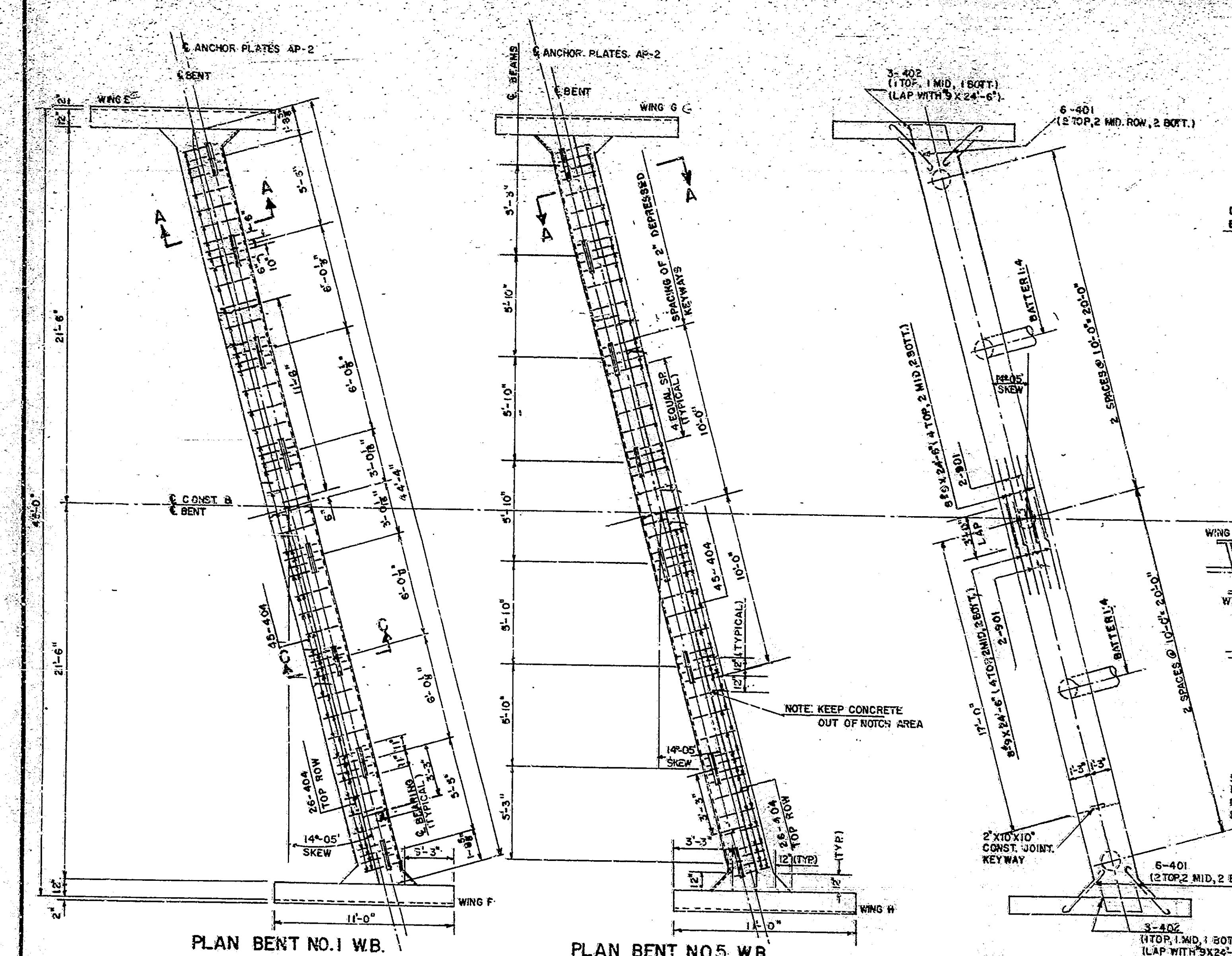
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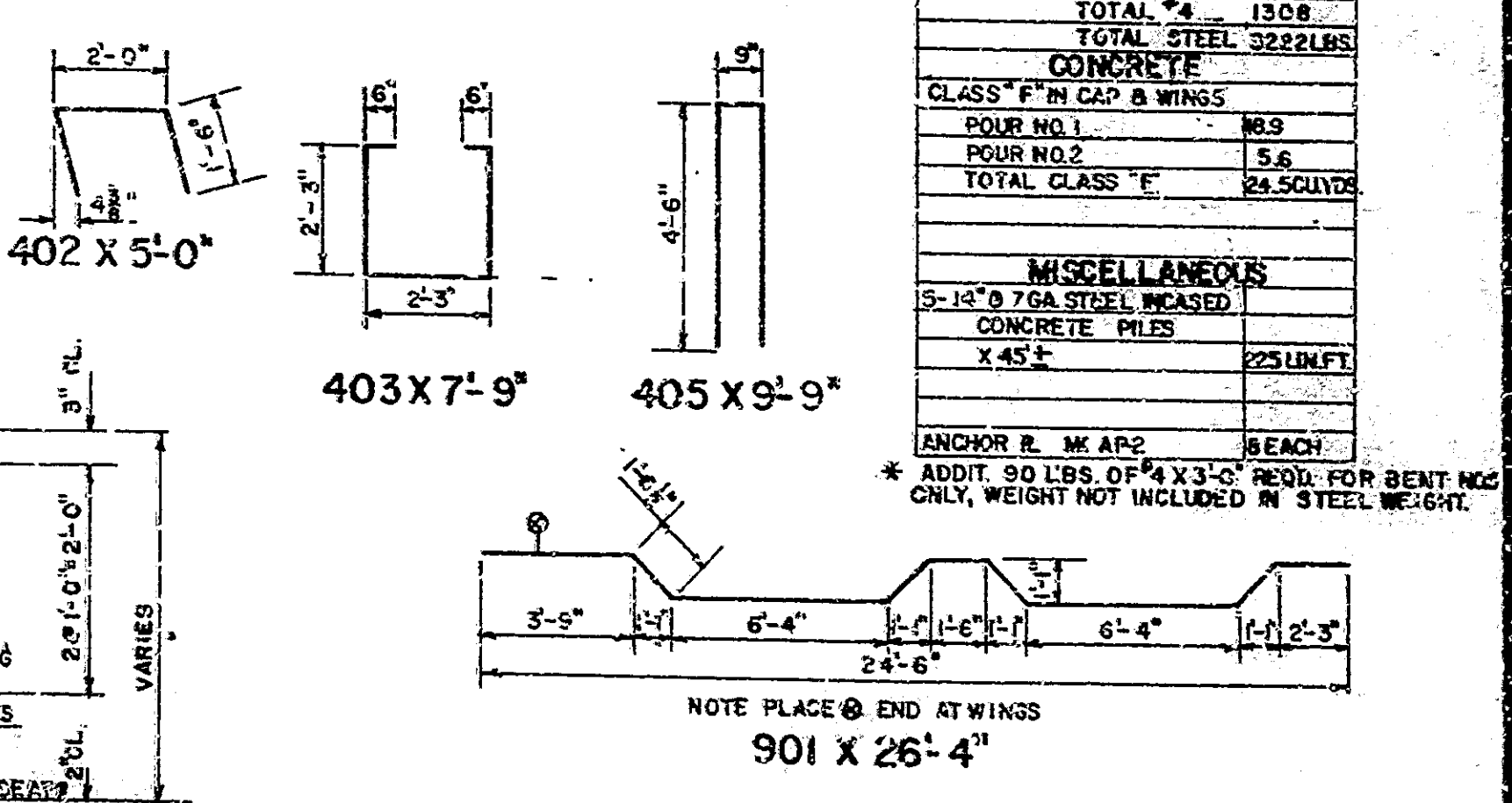
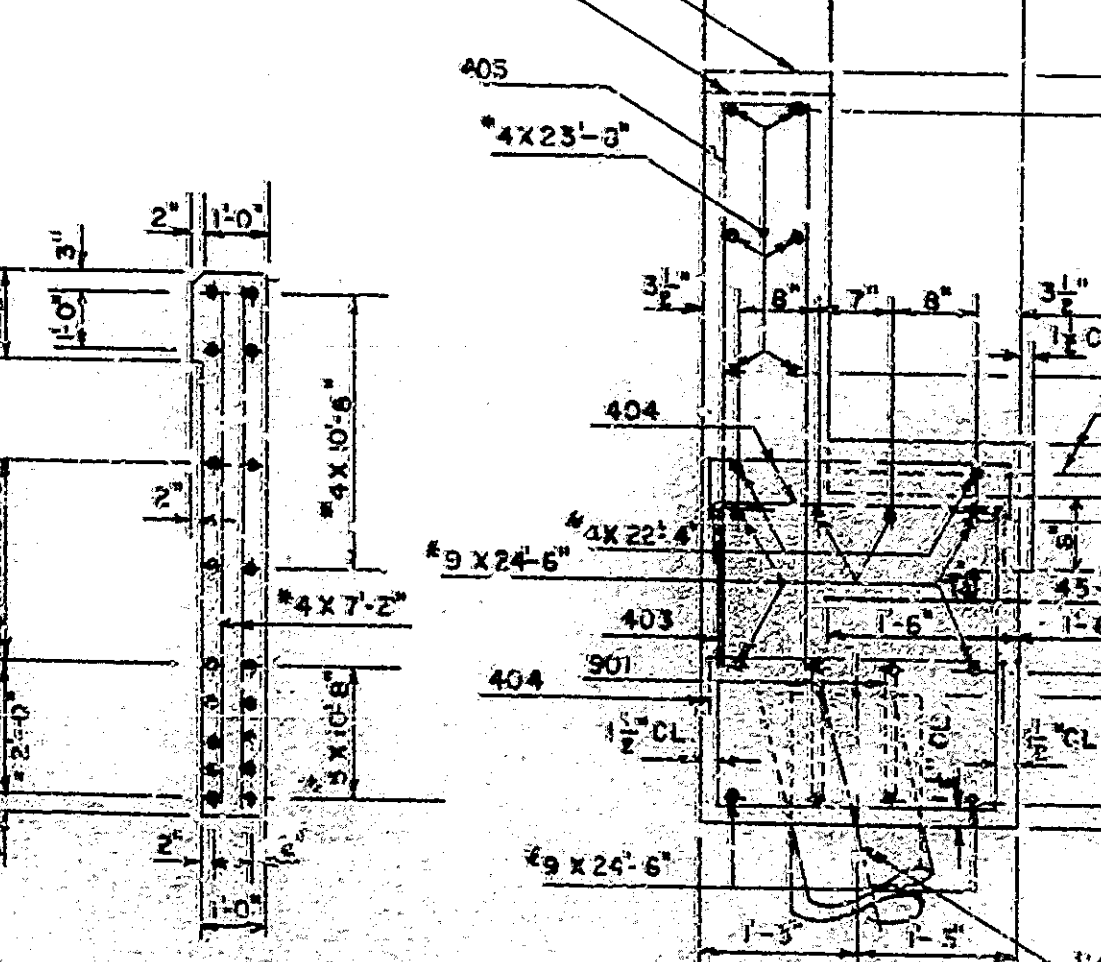
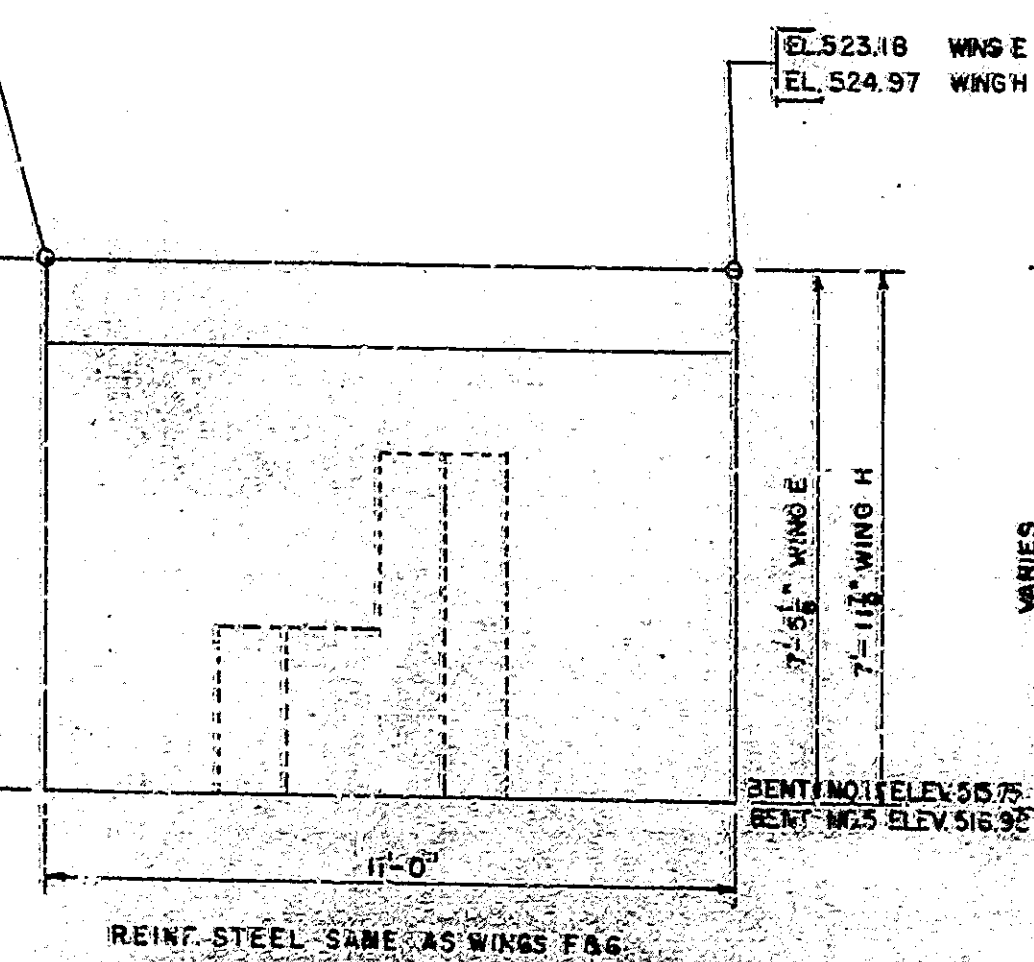
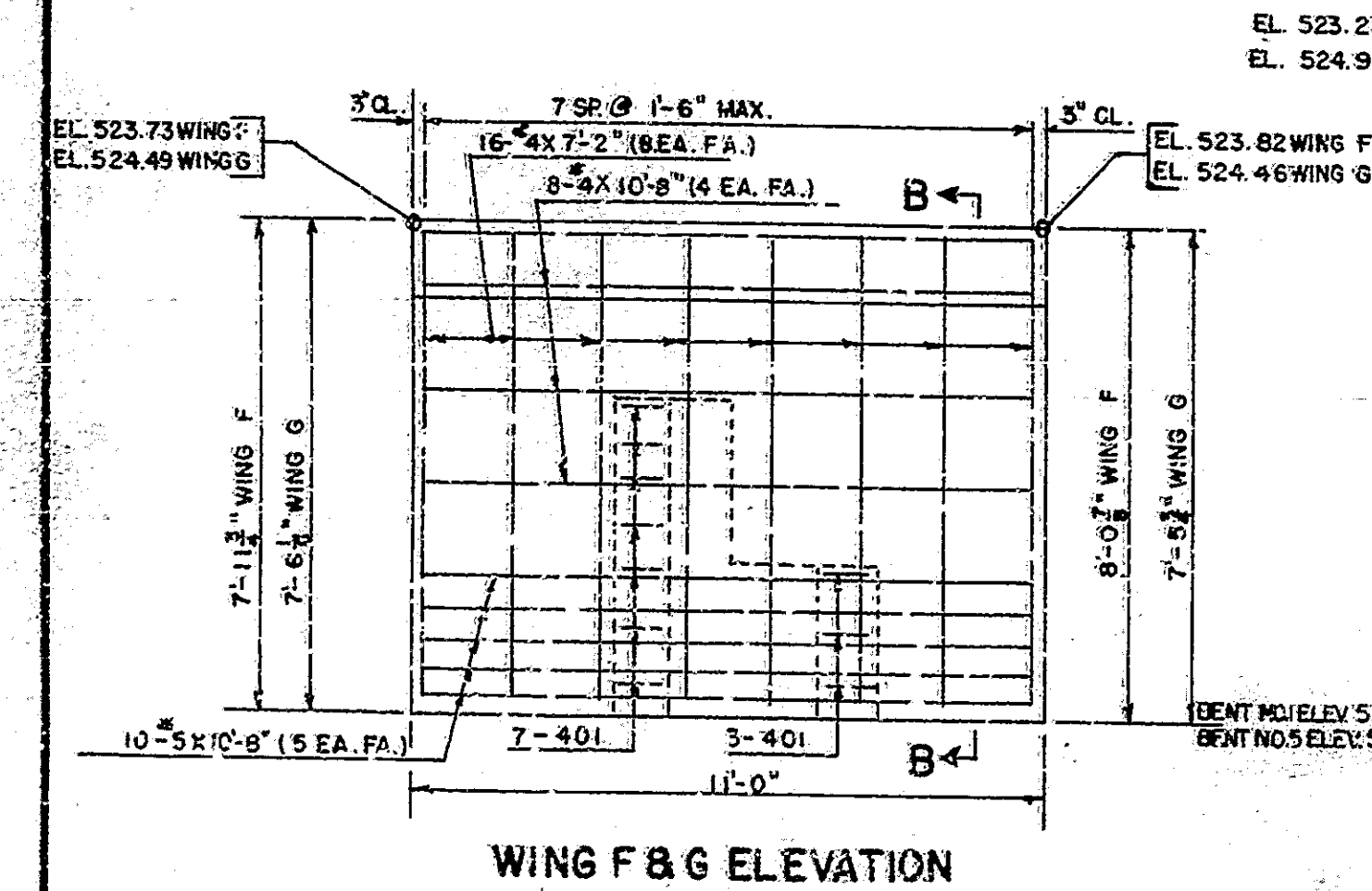


BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-112618	1964	9	43



**BILL OF MATERIALS  
BENT NO.1**

SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT
#1	4	26'-4"	
#2	16	24'-6"	
TOTAL #1			1591
#5	20	10'-8"	
TOTAL #5			223
#4	20	4'-6"	
#4	6	5'-0"	
#4	40	7'-9"	
#4	111	3'-5"	
#4	45	9'-9"	
#4	2	22'-4"	
#4	16	10'-8"	
#4	32	7'-2"	
#4	12	23'-8"	
#4	45	3'-0"	90 LBS
TOTAL #4			1308
TOTAL STEEL			3222 LBS
CONCRETE			
CLASS 'F' IN CAP & WINGS			
POUR NO. 1			69
POUR NO. 2			5.6
TOTAL CLASS 'F'			24.50 CY
MISCELLANEOUS			
5-10" Ø 7GA STEEL ENCASED CONCRETE PILES			
X 45'			225 LBS
ANCHOR PLATE MARKS			
ANCHOR PLATE MARKS			BEACH

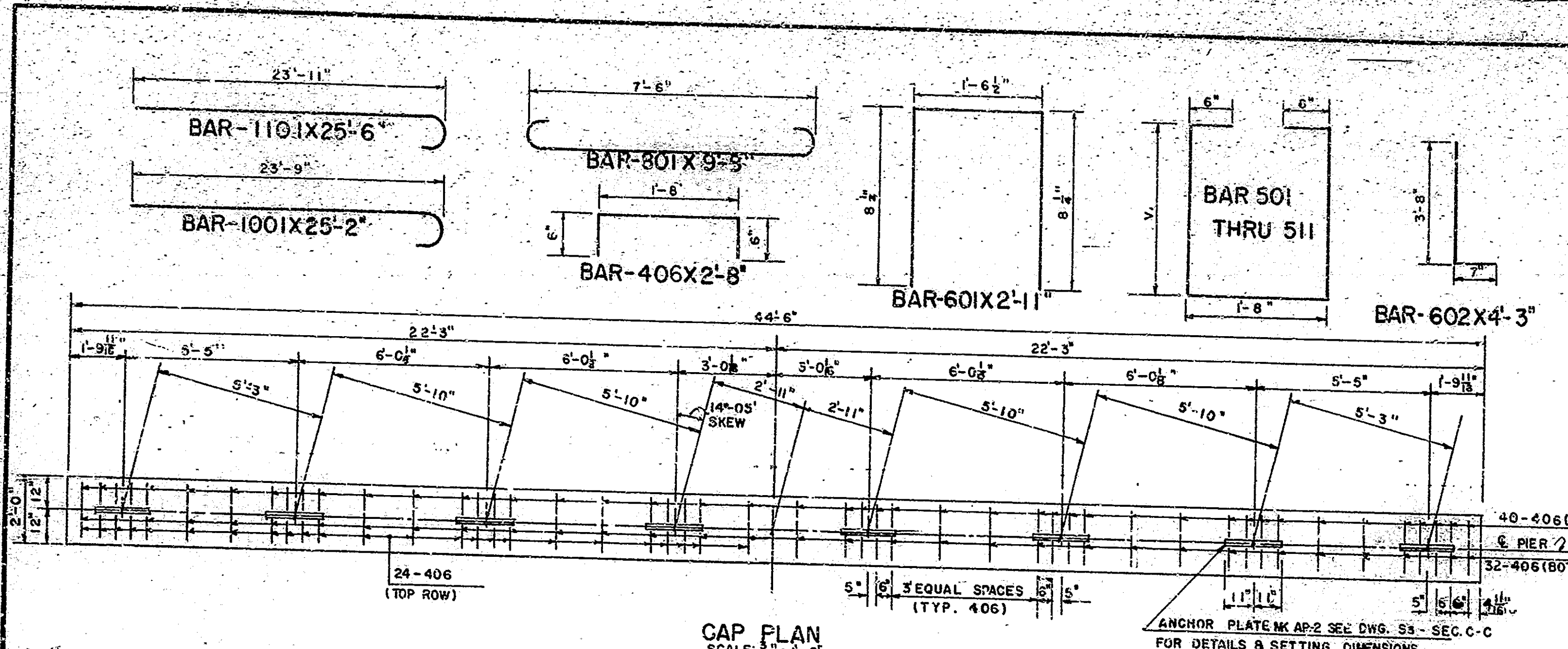


**BENTS NO.1 & NO.5 DETAILS W.BOUND  
STATE HIGHWAY DEPARTMENT OF INDIANA**

SCALE: 1/4" = 1'-0" UNLESS NOTED  
 SUBMITTED FOR APPROVAL: *Elptm*  
 DRAWING: S4 OF S13  
 PROJECT: 1-70-112618  
 BRIDGE CONTRACT NO. 6583  
 BRIDGE FILE: 1-70-8-2342

DESIGNED: R.K. CKD: G.P.  
 DRAWN: J.P.E. CKD: G.P.  
 TRACED: J.P.E. CKD: R.K.





**CONCRETE**

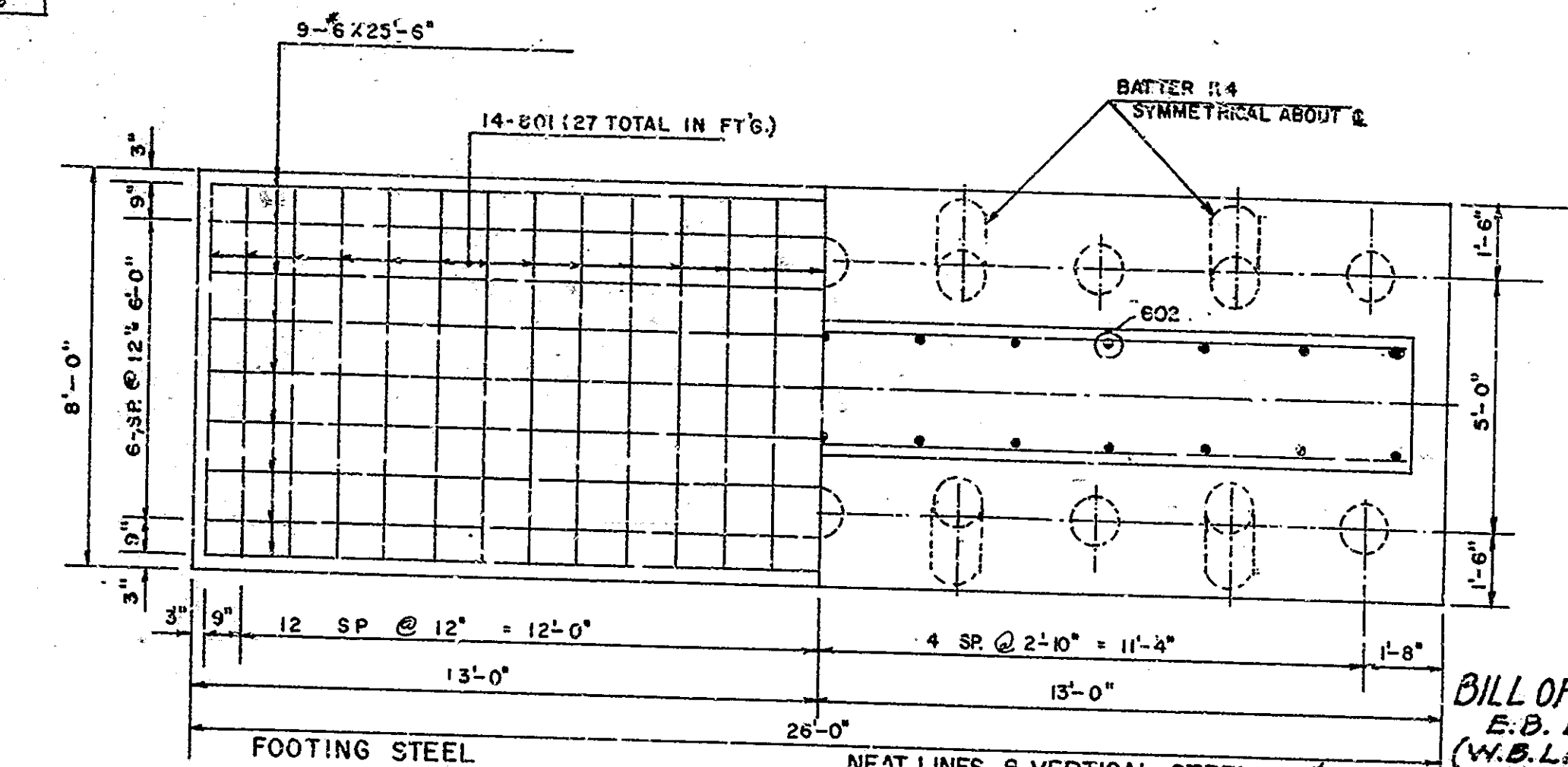
CLASS. F. CAP. FOUR	2
CLASS. F. ABOVE FTG. FOUR	24
CLASS. F. IN FTG.	20

**MISCELLANEOUS**

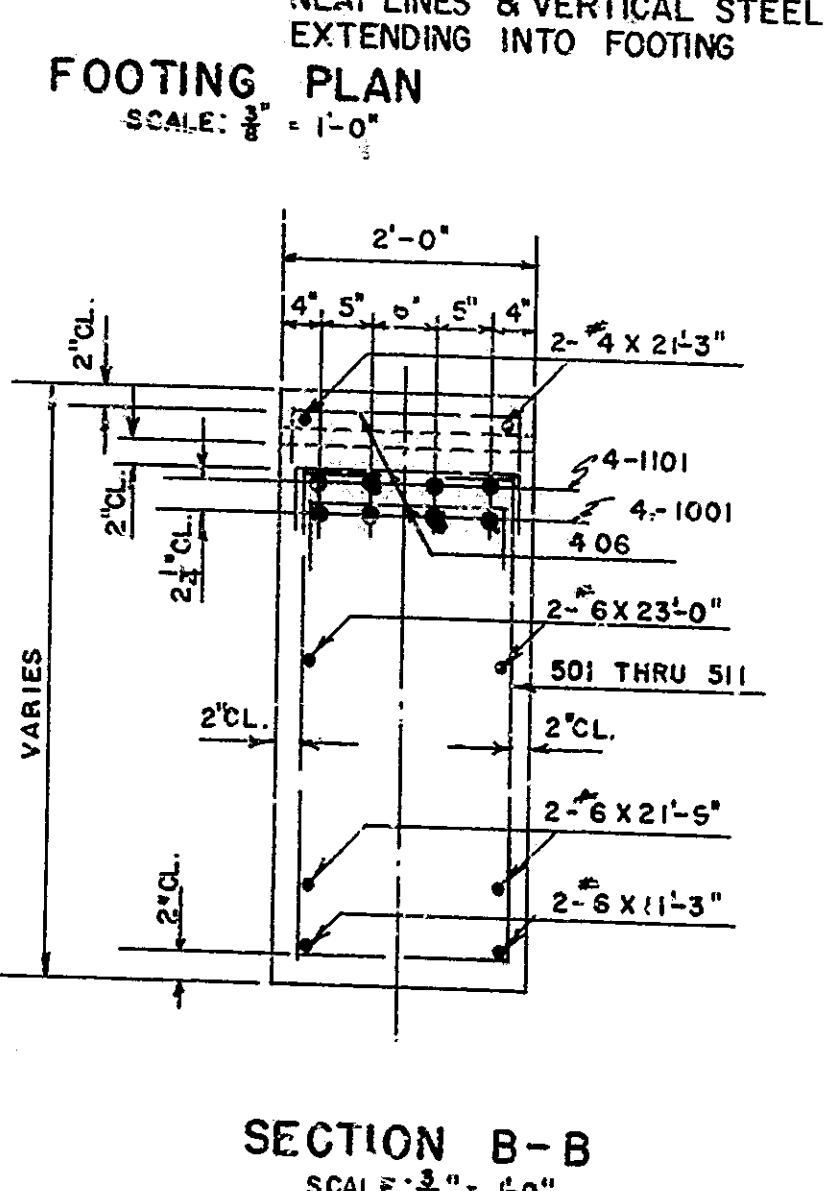
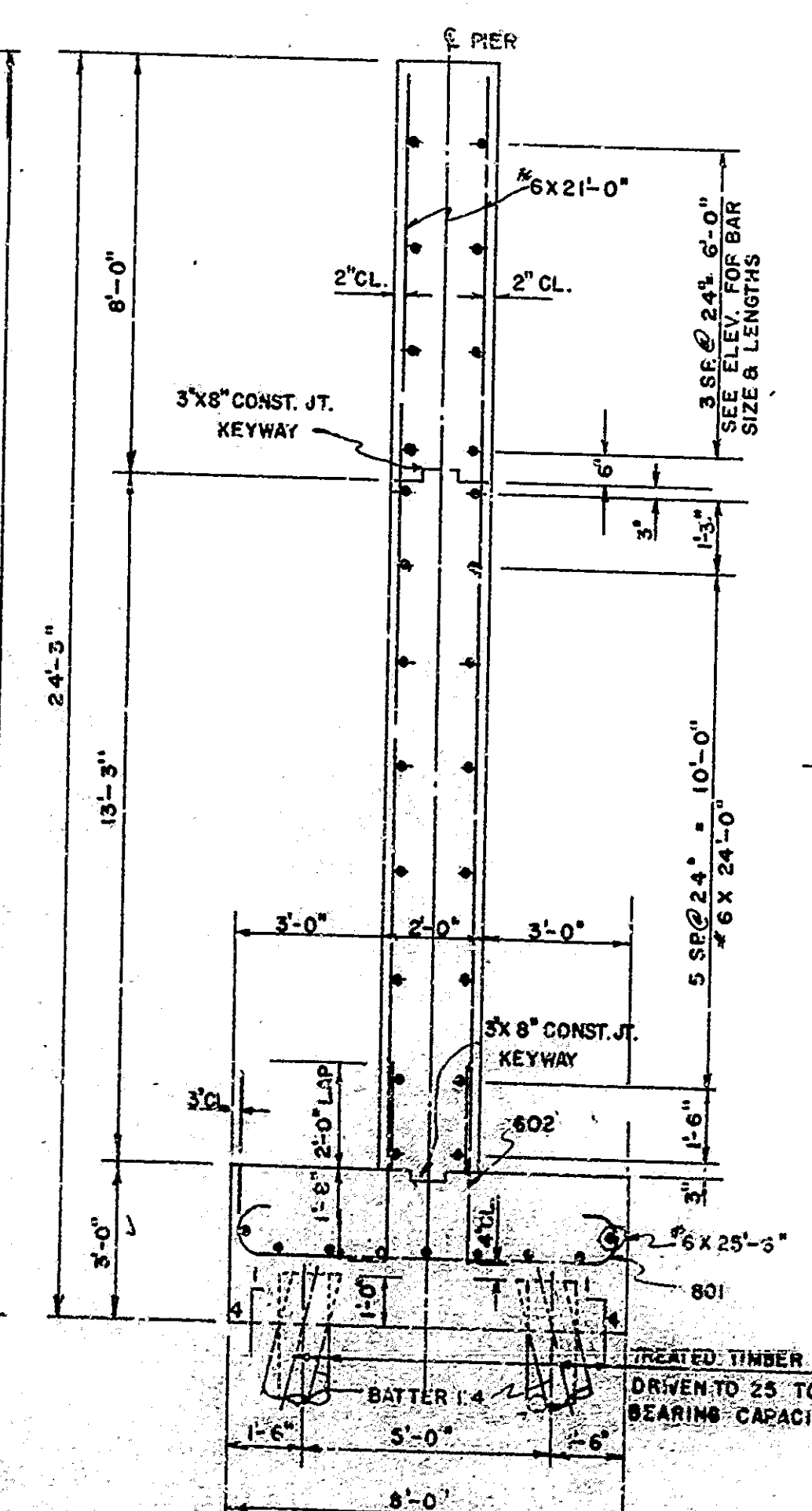
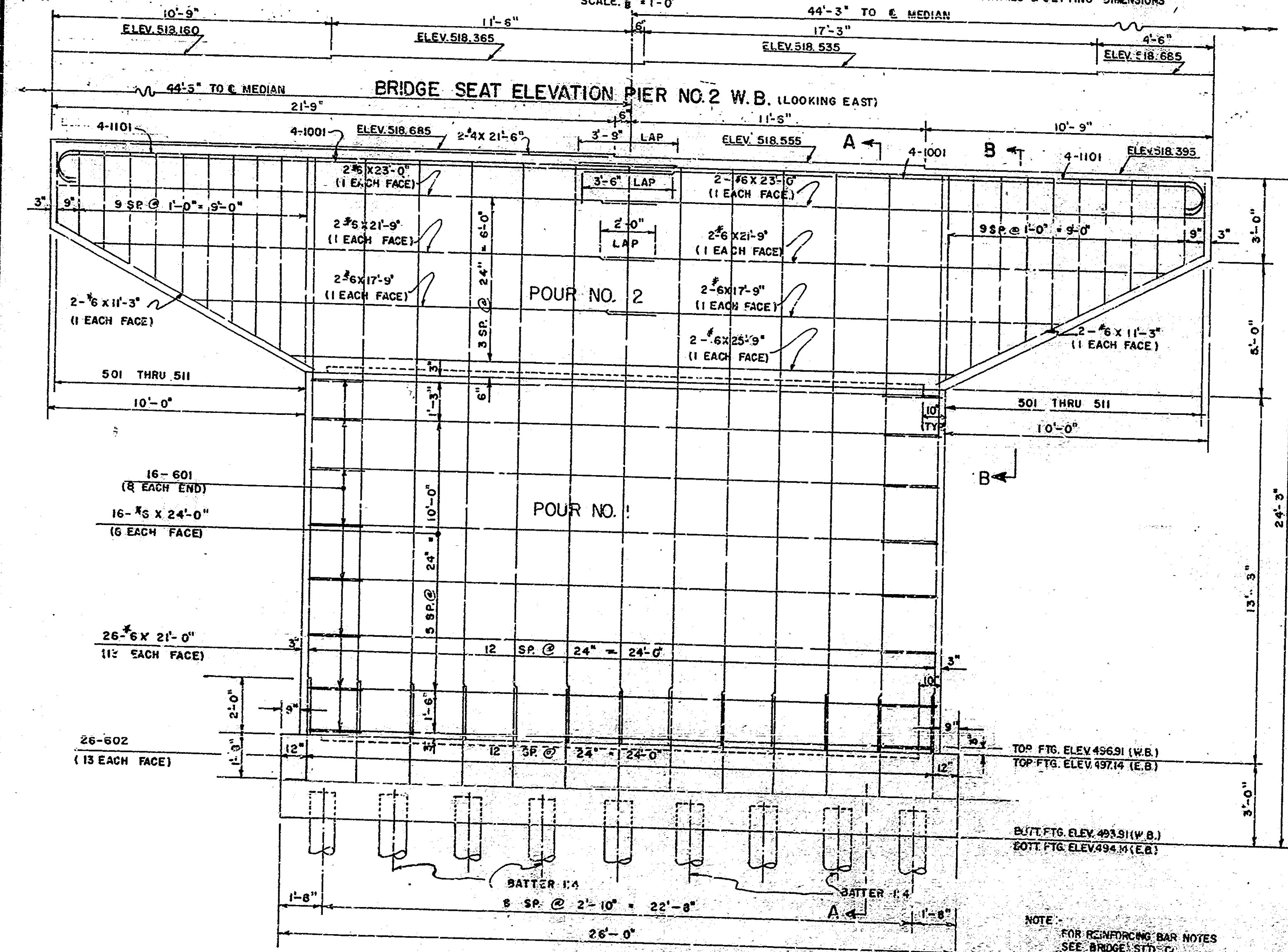
ANCHOR PLATES IN CAP	8 EACH
18" TREATED TIMBER PILES	
25 TON MIN. CAP.	234
	450 LIN. FT.

**BRIDGES OVER 20' SPAN**

PUB. ROAD	STATE	PROJECT	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-1 (26)B	1966	10	43



**BILL OF MATERIALS**  
E.B. LANE  
(W.B. LANE SAME)



**REINFORCING STEEL**

SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT LBS.
1101	8	25'-6"	
TOTAL #11			1084
1001	8	25'-2"	
TOTAL #10			866
801	27	9'-8"	
TOTAL #8			697
601	16	2'-11"	
602	26	4'-3"	
#6	4	21'-3"	
#6	4	17'-9"	
#6	2	25'-9"	
#6	16	24'-0"	
#6	26	21'-0"	
#6	4	23'-0"	
#6	9	17'-3"	
#6	4	25'-6"	
TOTAL #6			2498
501	2	8'-4"	
502	2	9'-0"	
503	2	10'-0"	
504	2	11'-0"	
505	2	12'-0"	
506	2	13'-0"	
507	2	14'-0"	
508	2	15'-0"	
509	2	16'-0"	
510	2	17'-0"	
511	2	18'-0"	
TOTAL #5			299
406	96	2'-8"	
#4	2	21'-3"	
TOTAL #4			139
TOTAL STEEL			5649 LBS.

**PIER NO. 2 DETAILS**  
**STATE HIGHWAY DEPARTMENT OF INDIANA**

SCALE: - 3/8" = 1'-0" UNLESS NOTED  
SUBMITTED FOR APPROVAL  
DRAWING: S5 OF S12  
PROJECT: I-70-1(26)B  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342

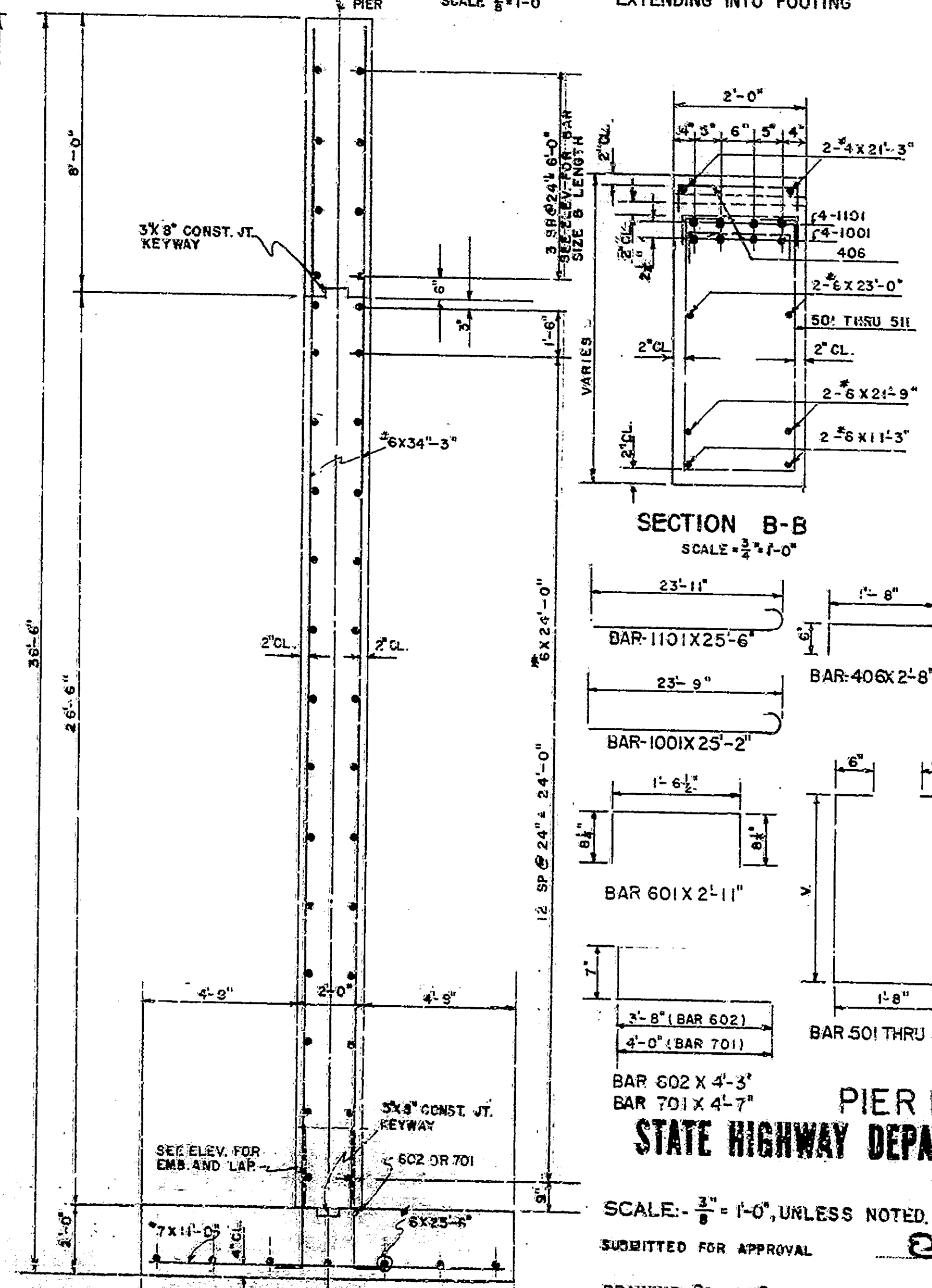
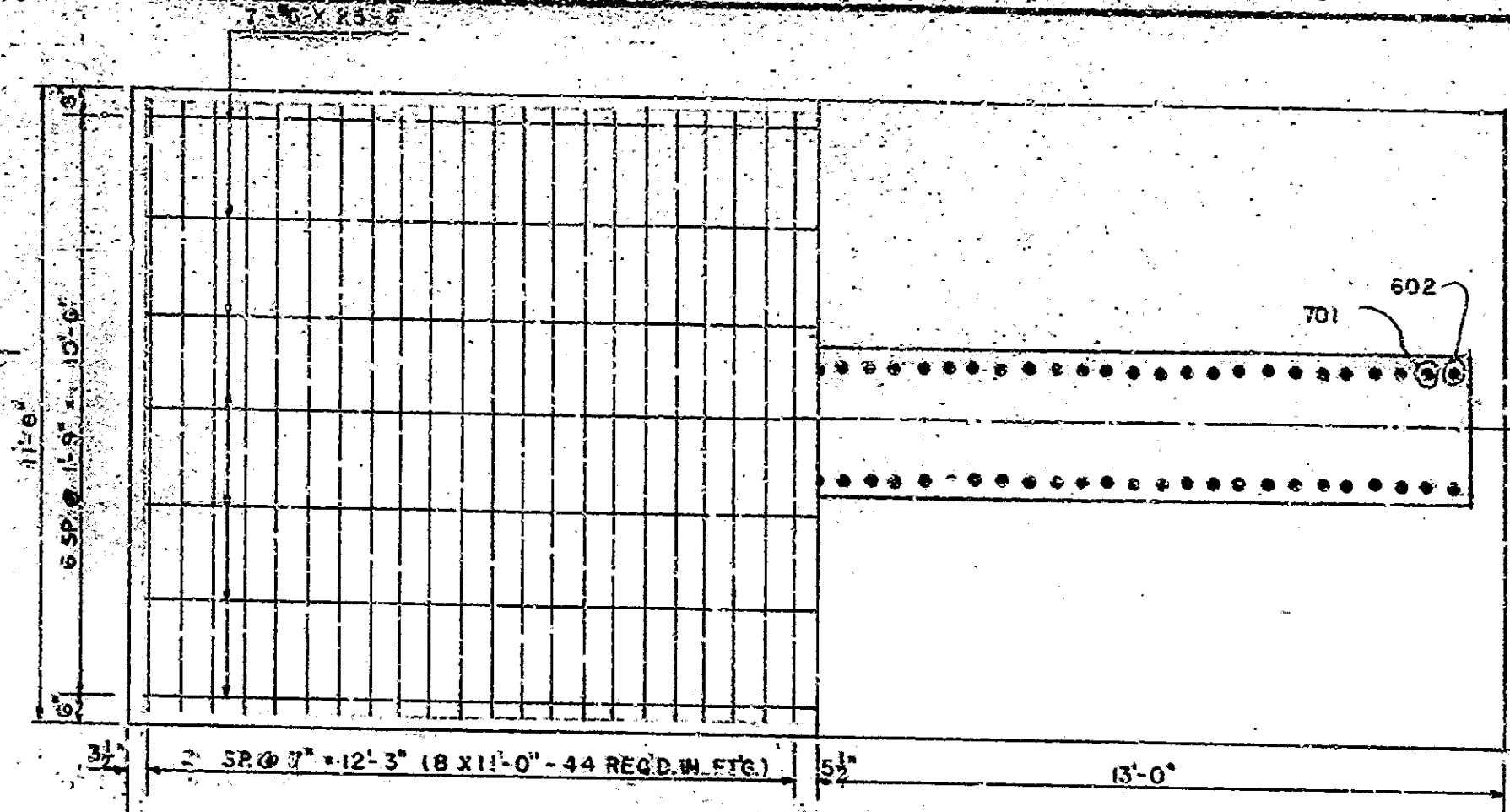
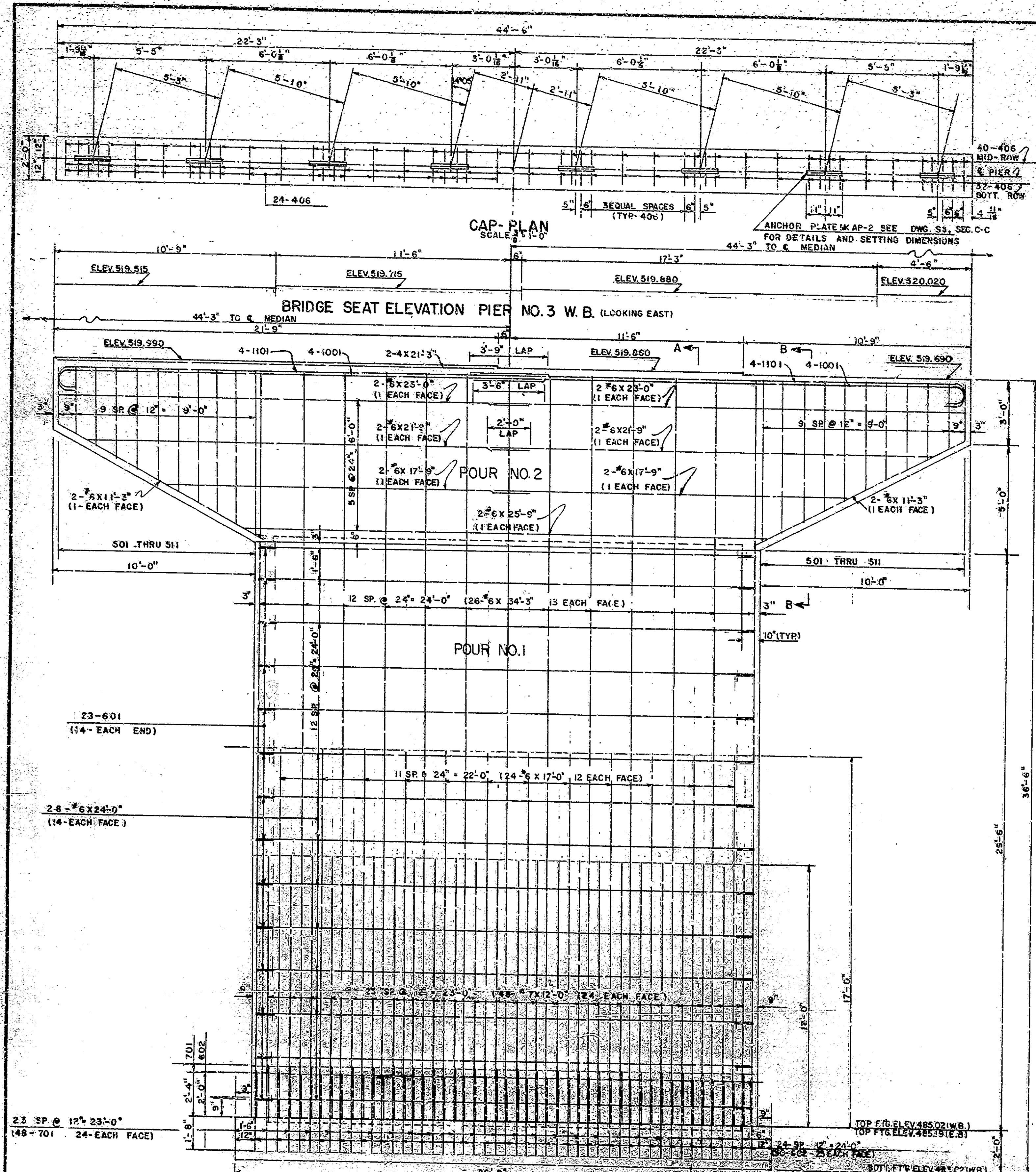
8-26-64

DESIGNED: R.E. CKD G.P.  
DRAWN: J.B.E. CKD G.P.  
TRACED: J.B.E. CKD G.P.

E.B. ELEVATION (LOOKING EAST)  
SCALE: 3/8" = 1'-0"  
W.B. ELEV. SAME (EXCEPT AS NOTED)

NOTE:  
FOR REINFORCING BAR NOTES  
SEE BRIDGE STD. C.  
ANCHOR PLATES IN CAP-2 TO  
BE PRE-SET IN CONCRETE.  
SEE DWG. S3, SEC. C-5 FOR DETAILS





BRIDGES OVER 20' SPAN						
DIST. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
4	IND.	I-70-1 (2618)	1964	11	43	

**BILL OF MATERIALS**  
E. B. LANE  
(W.B. LANE SAME)

REINFORCING STEEL			
SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT LBS.
1101	8	25'-6"	
TOTAL #11			1094
1001	8	25'-2"	
TOTAL #10			866
#8	44	11'-0"	
TOTAL #8			1292
701	48	4'-7"	
#7	48	13'-0"	
TOTAL #7			1627
601	28	2'-11"	
602	50	4'-3"	
#6	4	21'-9"	
#6	4	17'-9"	
#6	2	25'-9"	
#6	28	24'-0"	
#6	4	11'-3"	
#6	26	34'-3"	
#6	24	17'-0"	
#6	4	23'-0"	
#6	7	25'-6"	
TOTAL #6			4190
501	2	6'-4"	
502	2	9'-0"	
503	2	10'-0"	
504	2	11'-0"	
505	2	12'-0"	
506	2	13'-0"	
507	2	14'-0"	
508	2	15'-0"	
509	2	16'-0"	
510	2	17'-0"	
511	2	18'-0"	
TOTAL #5			299
406	56	2'-6"	
#4	2	21'-3"	
TOTAL #4			199
TOTAL STEEL			9557 LBS.
CONCRETE			
CLASS 'F' IN CAP POUR NO. 2 211 CU. YDS.			
CLASS 'E' ABOVE FTG. POUR NO. 1 484 CU. YDS.			
CLASS 'E' IN FTG. 220 CU. YDS.			
MISCELLANEOUS			
ANCHOR PLATES MK AP-2 8 EACH			

BAR	QTY.
501	2-10"
502	3-2"
503	3-5"
504	1-2"
505	4-2"
506	2-2"
507	3-0"
508	6-2"
509	8-5"
510	7-2"
511	7-8"

**PIER NO. 3**  
**STATE HIGHWAY DEPARTMENT OF INDIANA**

SCALE -  $\frac{3}{8}'' = 1'-0''$ , UNLESS NOTED.  
SUBMITTED FOR APPROVAL  
DRAWING - S6 OF S13  
PROJECT - I-70-1(2618)  
BRIDGE CONTRACT NO. 65B3  
BRIDGE FILE - I-70-8-2342

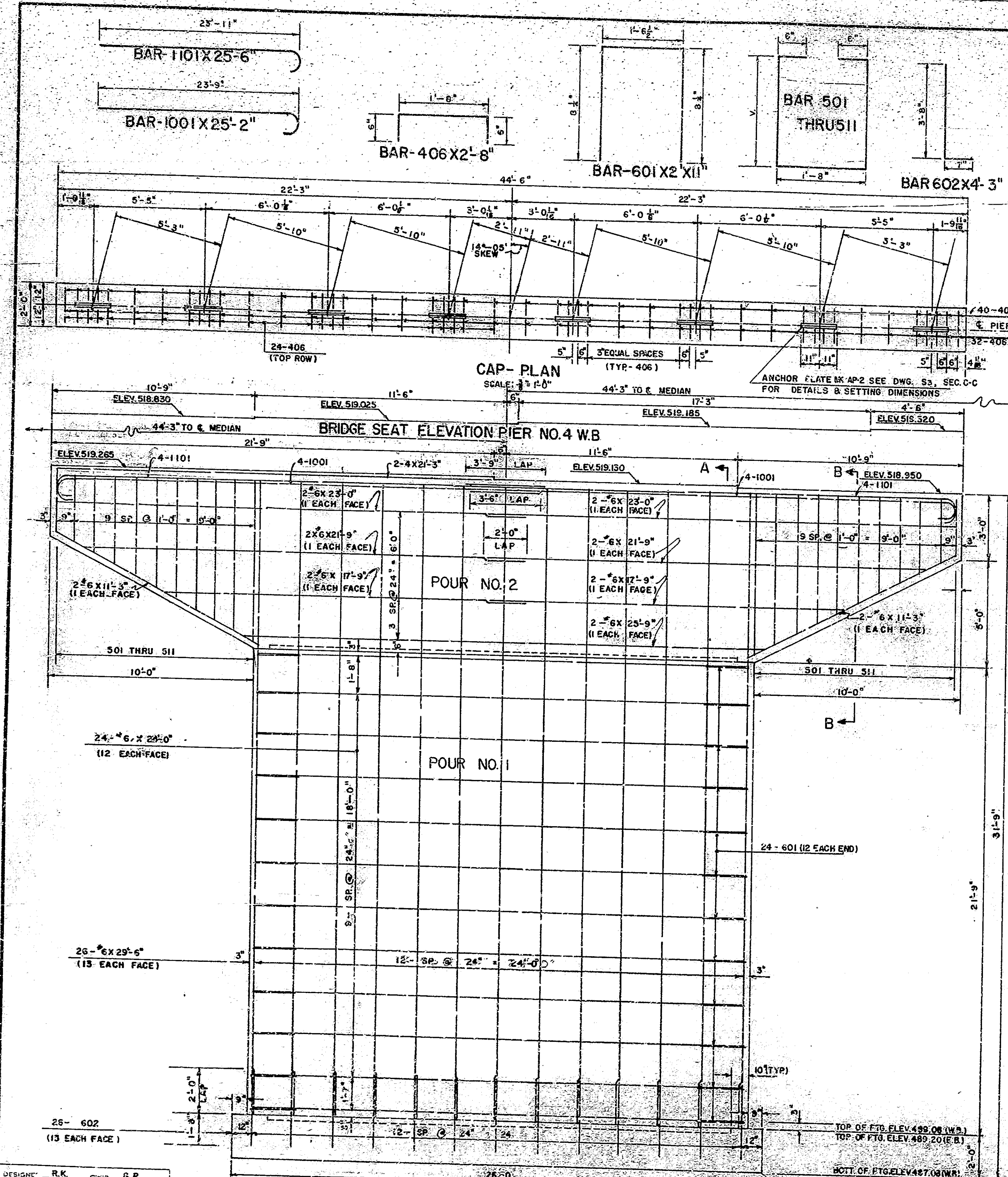
DESIGNED: R.K. C.K.D. G.P.  
DRAWN: J.P.E. C.K.D. G.P.  
TRACED: J.P.E. C.K.D. R.K.

**E.B. ELEVATION** (LOOKING EAST)  
SCALE:  $\frac{3}{8}'' = 1'-0''$   
W.B. ELEV. SAME (EXCEPT AS NOTED)

NOTE: FOR REINFORCING BAR NOTES  
SEE DRAWING S13 OF S13  
ANCHOR PLATES MK AP-2 TO BE  
USED IN CONCRETE. SEE DWG. S3,  
S4, S5, S6, S7, S8, S9, S10,  
S11, S12, S13.

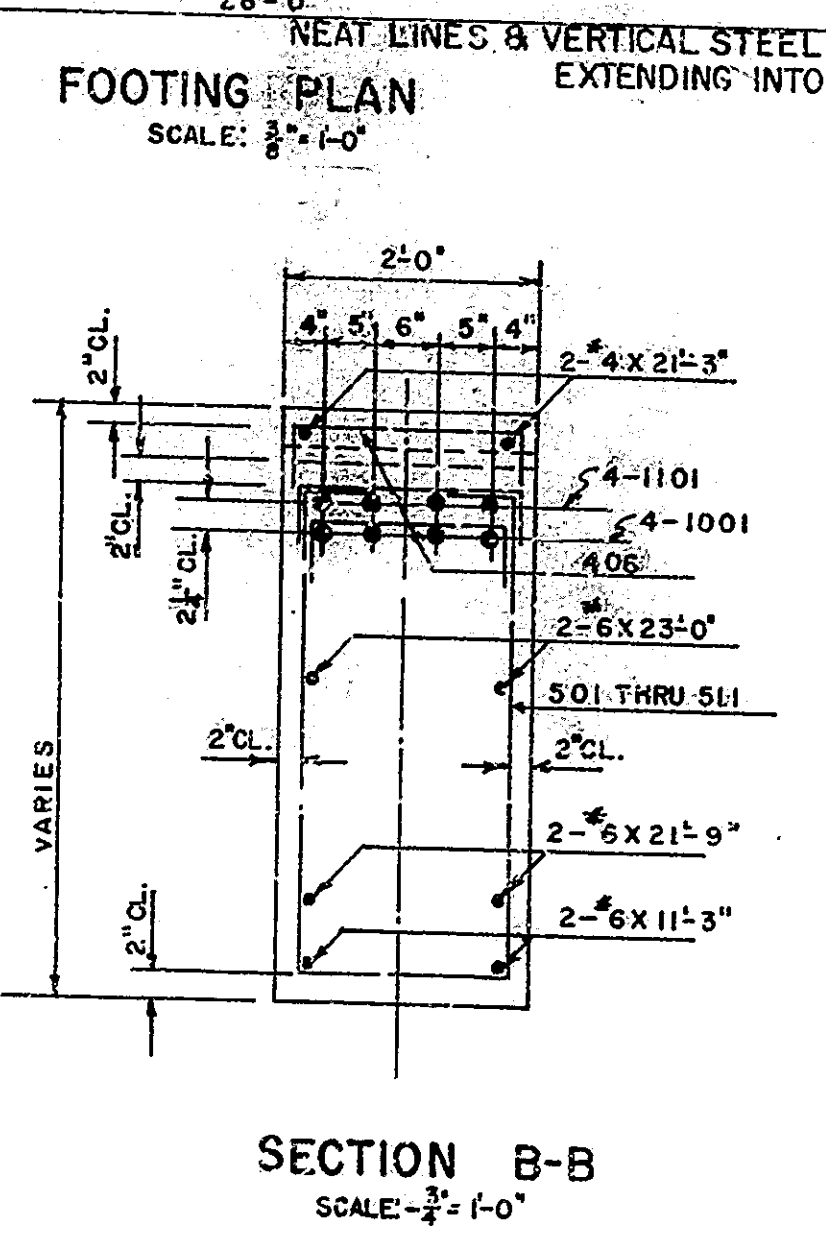
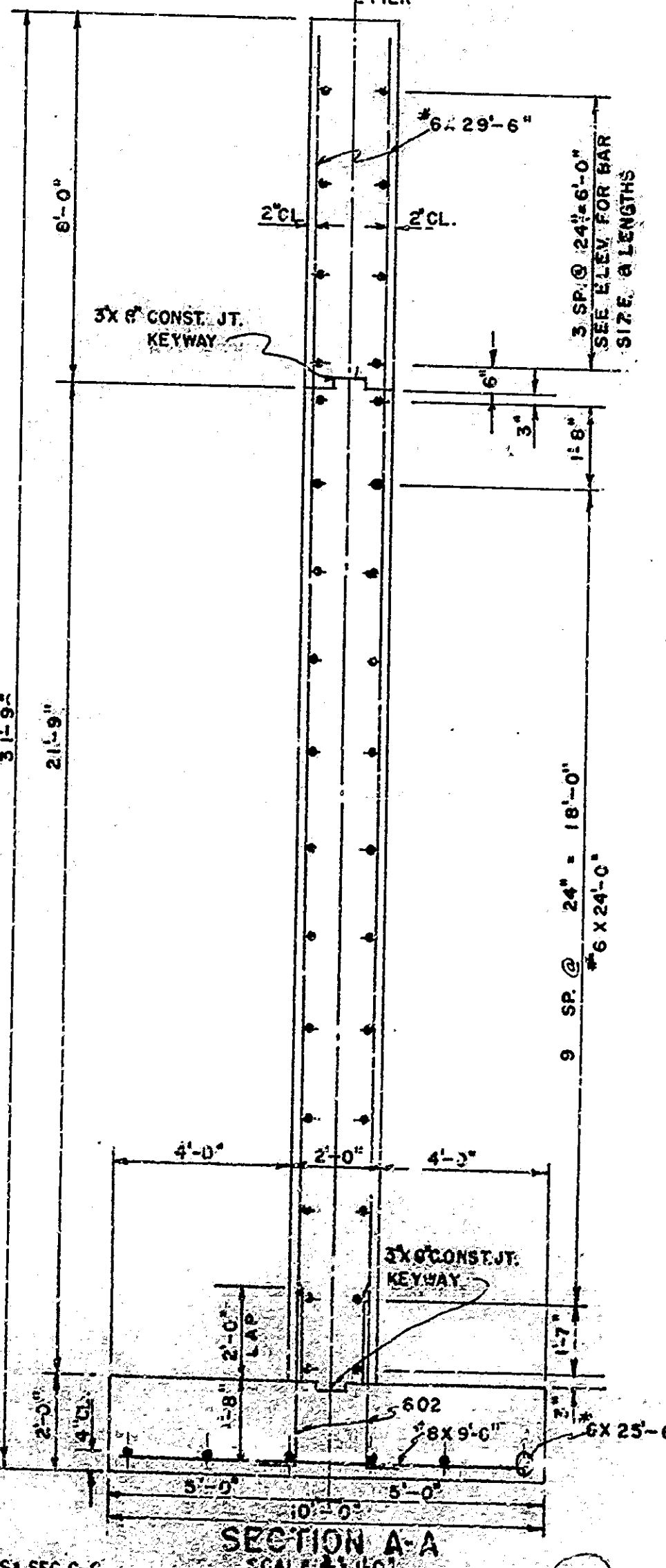
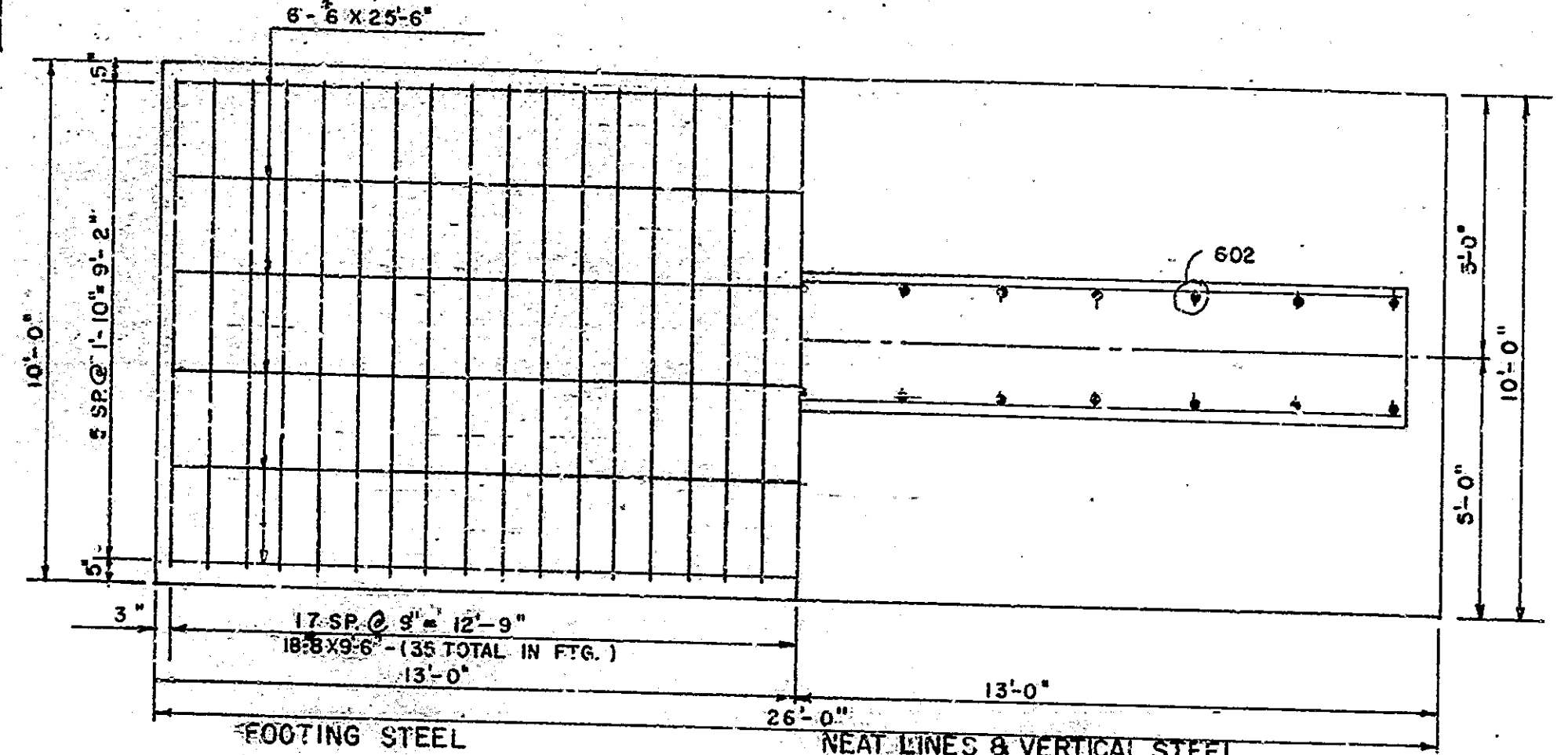
**SECTION A-A**  
SCALE:  $\frac{3}{8}'' = 1'-0''$   
MAX. SOIL PRESSURE = 2.3 TYD





BAR	Y
501	2'-10"
502	3'-2"
503	3'-8"
504	4'-2"
505	4'-8"
506	5'-2"
507	5'-8"
508	6'-2"
509	6'-8"
510	7'-2"
511	7'-8"

BRIDGES OVER 20' SPAN					
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-70-1 (26) 8	1964	12	43



**BILL OF MATERIALS**  
E.B. LANE  
(W.B. LANE SAME)

SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT LBS.
1101	8	25'-6"	1084
1001	8	25'-2"	866
#8	25	9'-6"	888
601	24	2'-11"	
602	26	4'-3"	
#6	4	21'-9"	
#6	4	17'-9"	
#6	2	25'-9"	
#6	4	11'-3"	
#6	26	24'-0"	
#6	4	23'-0"	
#6	6	25'-6"	
#6	28	29'-6"	
TOTAL #6			3111
501	2	8'-4"	
502	2	9'-0"	
503	2	10'-0"	
504	2	11'-0"	
505	2	12'-0"	
506	2	13'-0"	
507	2	14'-0"	
508	2	15'-0"	
509	2	16'-0"	
510	2	17'-0"	
511	2	18'-0"	
TOTAL #5			299
406	96	2'-8"	
#4	2	21'-3"	
TOTAL #4			199
TOTAL STEEL			6447 LBS.
<b>CONCRETE</b>			
CLASS 'F' IN CAP POUR NO. 2	211 CU. YDS.		
CLASS 'E' ABOVE FTG. POUR NO. 1	1397 CU. YDS.		
CLASS 'E' IN FTG.	191 CU. YDS.		
<b>MISCELLANEOUS</b>			
ANCHOR PLATES MK AP-2	18 EACH		

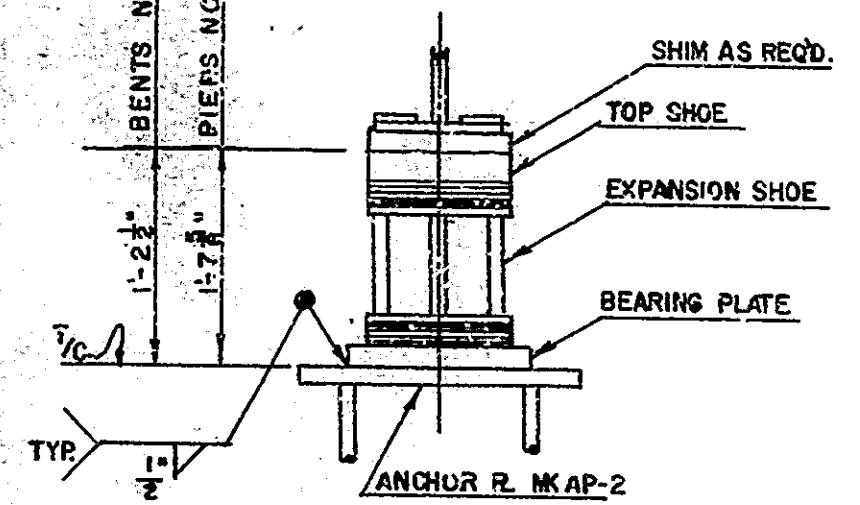
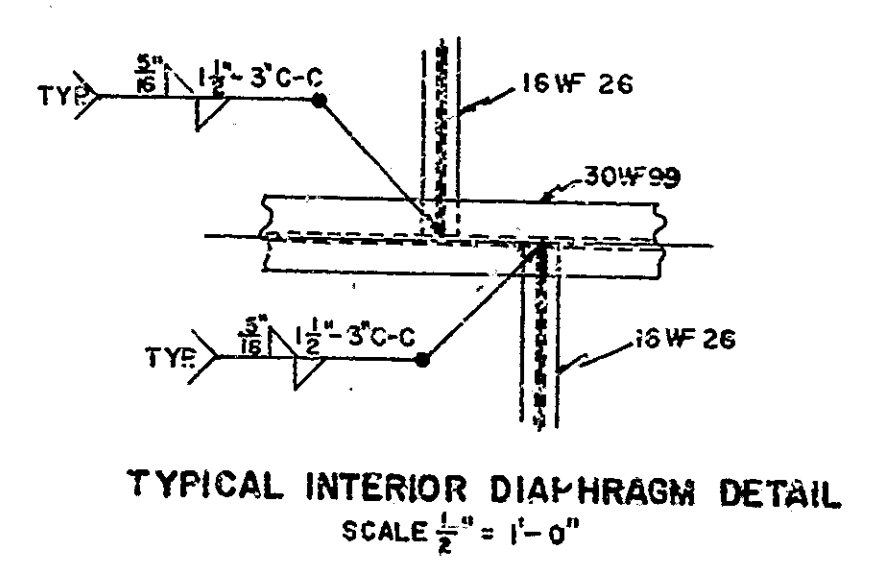
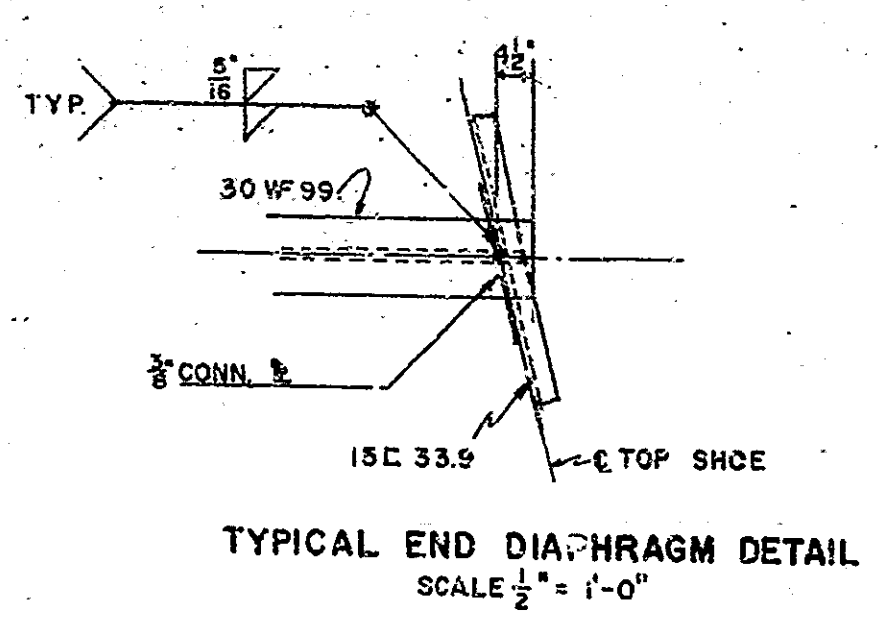
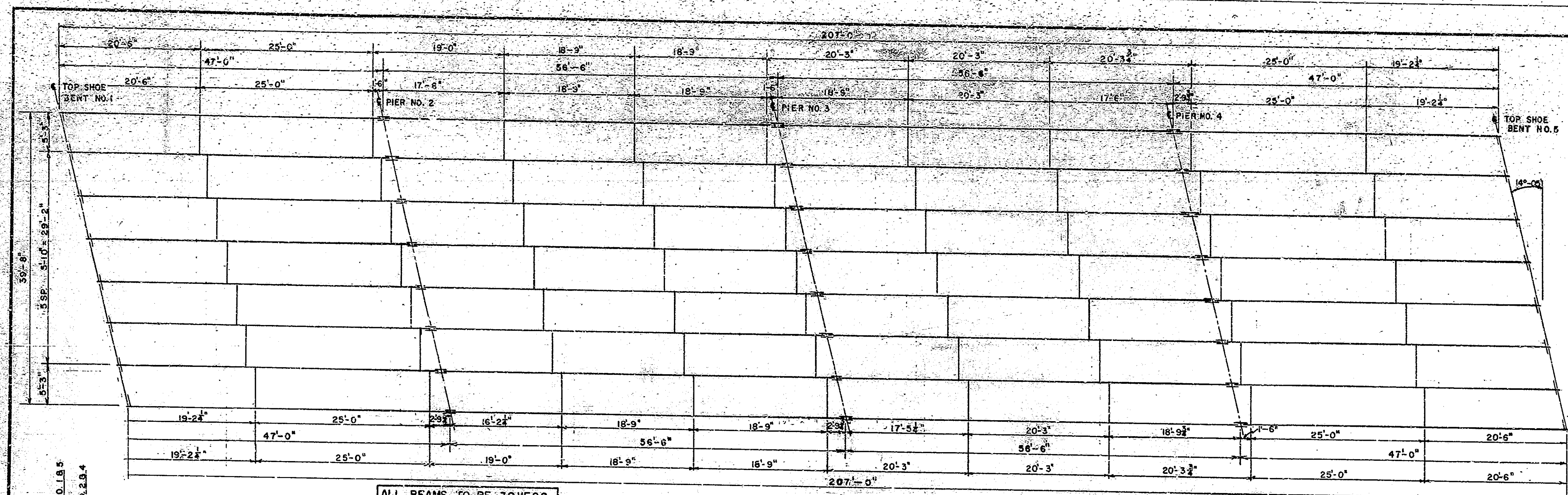
**PIER NO. 4 DETAILS**  
STATE HIGHWAY DEPARTMENT OF INDIANA

SCALE: 3/8" = 1'-0", UNLESS NOTED

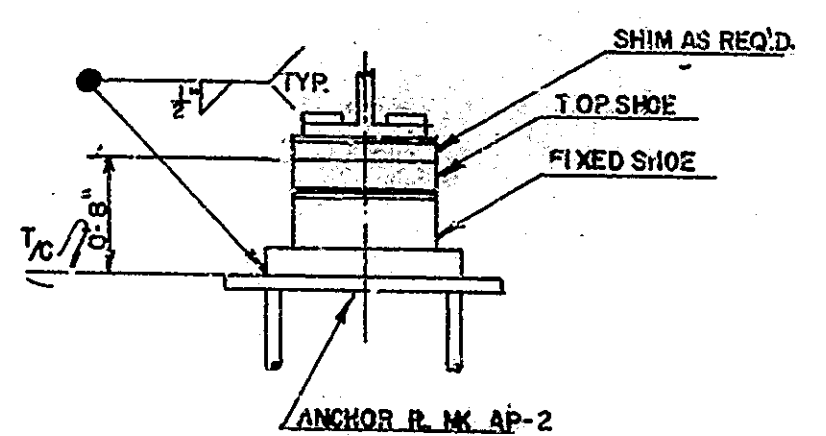
SUBMITTED FOR APPROVAL: [Signature]  
DRAWING: S7 OF S13  
PROJECT: 1-70-1(26) 8  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: 1-70-8-2342



BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-1(26)8	1964	13	43



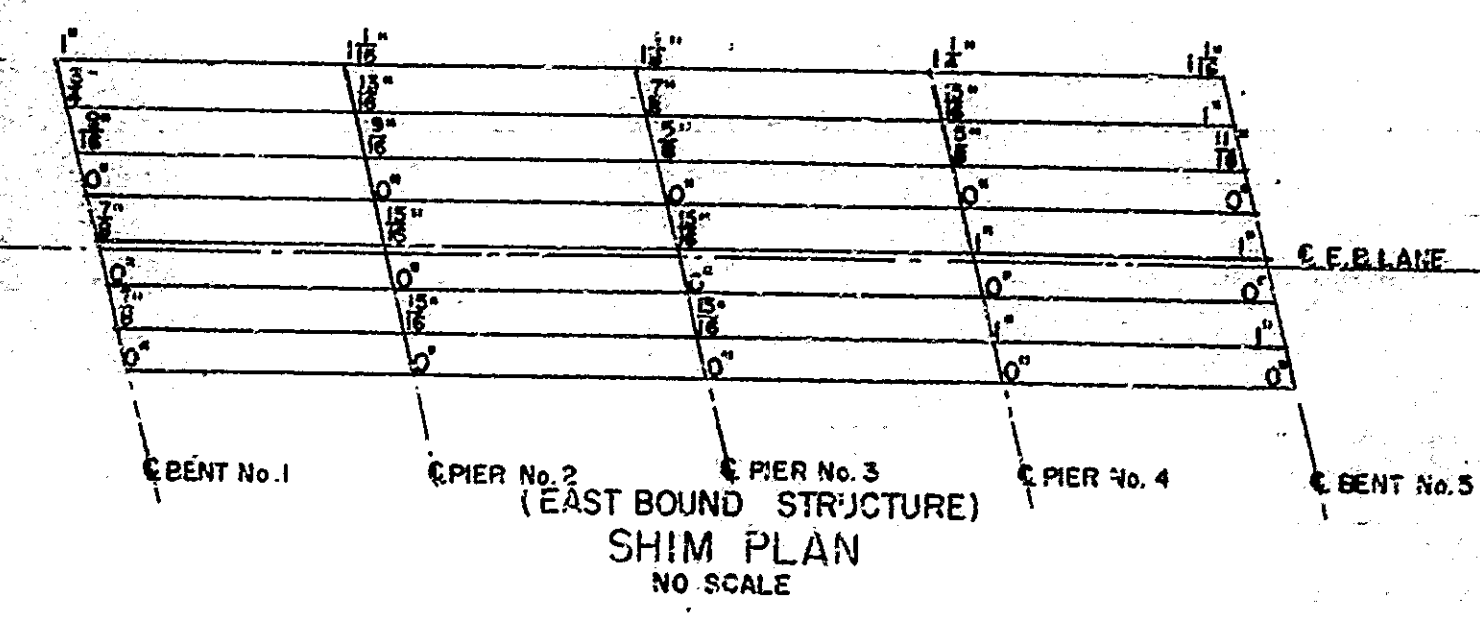
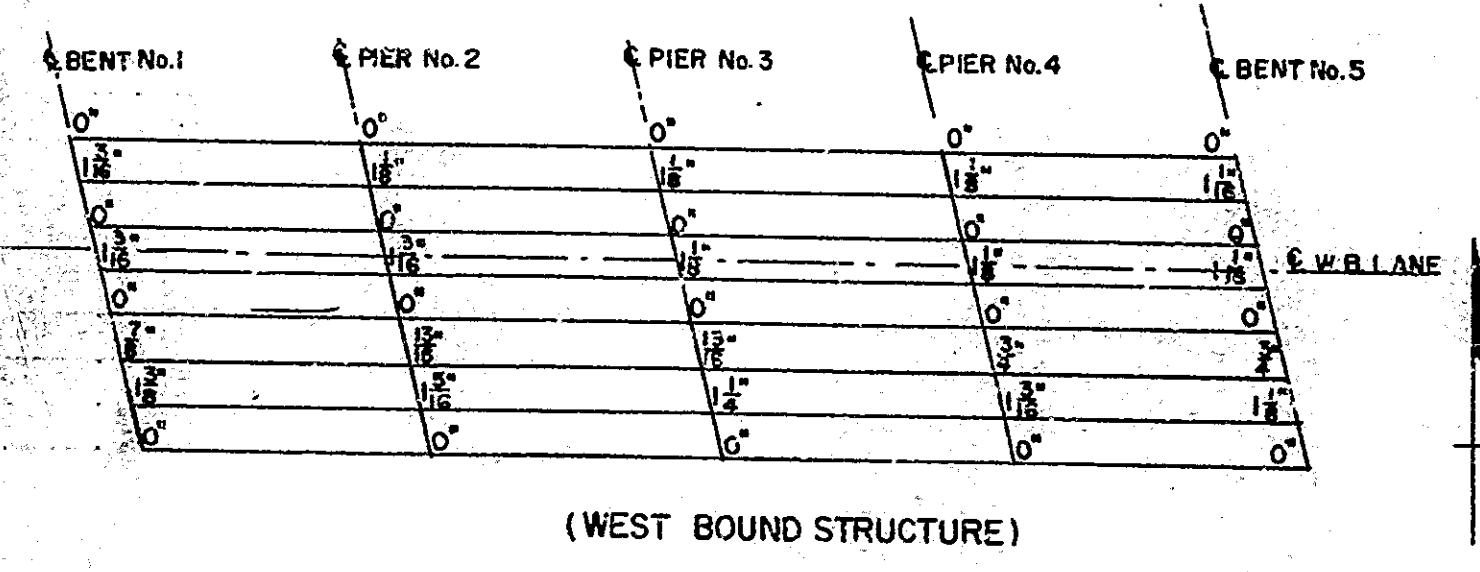
EXPANSION SHOE ASSEMBLY  
BENTS 1 & 5, & PIERS 2 & 4  
NO SCALE



FIXED SHOE ASSEMBLY  
PIER NO. 3  
NO SCALE

FRAMING PLAN - E.B. LANE  
W.B. LANE SAME  
E.B. & W.B. STRUCTURES TO HAVE  
SEPARATE ERECTION MARKS

ALL INTERIOR DIAPHRAGMS TO BE 16WF26  
ALL END DIAPHRAGMS TO BE 15C33.9



MOMENT SUMMARY									
MOMENTS IN FOOT-KIPS									
ASPHALT OR SPAN	SPAN 1		SPAN 2		SPAN 3		SPAN 4		PIER 5
	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	
DEAD LOAD	155.48	160.78	134.37	213.46	202.05	251.17	218.53	243.62	
LIVE LOAD	245.02	218.72	221.88	217.69	214.75	193.28	222.07	201.60	
IMPACT	70.72	83.85	76.78	60.86	60.77	57.06	61.84	58.06	
TOTAL	450.22	443.15	443.03	491.23	477.55	502.06	481.44	503.34	

REACTION SUMMARY									
REACTIONS IN KIPS									
BENT 1	PIER 2		PIER 3		PIER 4		PIER 5		BENT 5
	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	
DEAD LOAD	14.74	17.55	44.53	54.17	44.47	33.44			
LIVE LOAD	39.02	26.72	35.64	32.06	35.60	32.04			
IMPACT	3.44	7.50	10.09	8.08	9.83	8.84			
TOTAL	57.20	51.27	90.26	94.31	89.90	74.32			

GENERAL NOTES

- RIVETS - 7/8"
- OPEN HOLES - 1/8" UNLESS NOTED.
- PAINT - ALL PAINT SHALL BE IN ACCORDANCE WITH CURRENT STATE HIGHWAY SPECIFICATIONS. SHOP - ONE COAT RED LEAD TYPE I OR II EXCEPT AS NOTED. FIELD - TWO (2) COATS ALUMINUM.
- 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 THE SPECIFICATIONS AND SHALL SUBMIT FIVE (5) COPIES OF THESE TO THE ENGINEER. SEE ART. E1103.2 OF THE SPECIFICATIONS.
- BEAMS TO BE STRAIGHT WITHIN A TOLERANCE OF 3/8" AT CENTER. IF LATER EXISTS, LAY OUT BEAMS WITH CAMBER UP. BEAMS SHALL BE CHECKED FOR CAMBER WHILE SUPPORTED IN SUCH A MANNER AS TO HAVE NO BENDING MOMENT IN THE DIRECTION OF CAMBER.
- HOLES FOR BEAM SPLICES SHALL BE SUB-SUNCHED OR SUB-DRILLED & REAMED TO SIZE - WHILE ASSEMBLED - SEE ART. E1103.1(D) OF THE SPECIFICATIONS.
- THE SHOP PLANS SHALL INDICATE WHETHER REAMING 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. THE SHOP DETAILS SHALL SHOW A PLAN OF MATCH-MARKING FOR ALL REAMED PIECES. ALL SPLICE PLATES TO BE REMOVED, CLEANED, & PAINTED AFTER REAMING. SPLICE PLATES SHALL NOT EXTEND BEYOND THE END OF THE BEAM AFTER BOLTING FOR SHIPMENT.
- FLANGE SPLICE BARS SHALL HAVE PLANED OR ROLLED EDGES AND HOLES IN BARS SHALL BE SUB-DRILLED & REAMED OR DRILLED - FULL SIZE WHILE ASSEMBLED.
- 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.
- DIAMETER OF HOLES IN ALL MATERIAL CONNECTING TOP SHOES TO BEAM FLANGES SHALL BE 1/8" BOLTS CONNECTING BEAM FLANGE TO TOP SHOE SHALL EXTEND INTO TOP SHOE A MIN. OF ONE (1) INCH.
- SHIMS BETWEEN BEAMS AND TOP SHOES MAY BE BUILT UP. NO SHIM SHALL BE LESS THAN 1/2" IN THICKNESS. WEIGHT OF STRUCTURAL STEEL (ESTIMATED) EAST BOUND STRUCT. 200,870 LBS. WEST BOUND STRUCT. 200,840 LBS. TOTAL WEIGHT 401,710 LBS.

DATA USED FOR DESIGN AND DETAILS

LIVE LOAD - H20-S16-44 WITH IMPACT & DISTRIBUTION OF LOAD IN ACCORDANCE WITH 1961 A.A.S.H.O. SPECIFICATIONS. [MAIN CARRYING MEMBERS CHECKED FOR 2-24,000 LB AXLES SPACED AT 4'-0" ON CENTER]	
DEAD LOAD - ACTUAL WEIGHT PLUS 35 LBS. PER SQ. FT. TO PROVIDE FOR FUTURE WEARING SURFACE.	
SLAB - DESIGNED WITH 16,000 LB. WHEEL PLUS IMPACT AND WITH 1/2" MONOLITHIC WEARING SURFACE.	
UNIT STRESSES -	
STRUCTURAL STEEL BENDING (TENSION)	20,000 LBS. PER SQ. IN.
SHEAR ON RIVETS	13,500 LBS. PER SQ. IN.
STRUCTURAL STEEL BEARING (RIVETS & H.S. BOLTS)	50,000 LBS. PER SQ. IN.
STRUCTURAL STEEL BEARING (EXCEPT RIVETS) & H.S. BOLTS	29,500 LBS. PER SQ. IN.
BEARING STEEL ON CONCRETE (INCLUDING OVERTURNING & ECCENTRIC LOADINGS)	1,000 LBS. PER SQ. IN.
REINFORCING STEEL (TENSION)	20,000 LBS. PER SQ. IN.
CONCRETE (COMPRESSION)	1,200 LBS. PER SQ. IN.

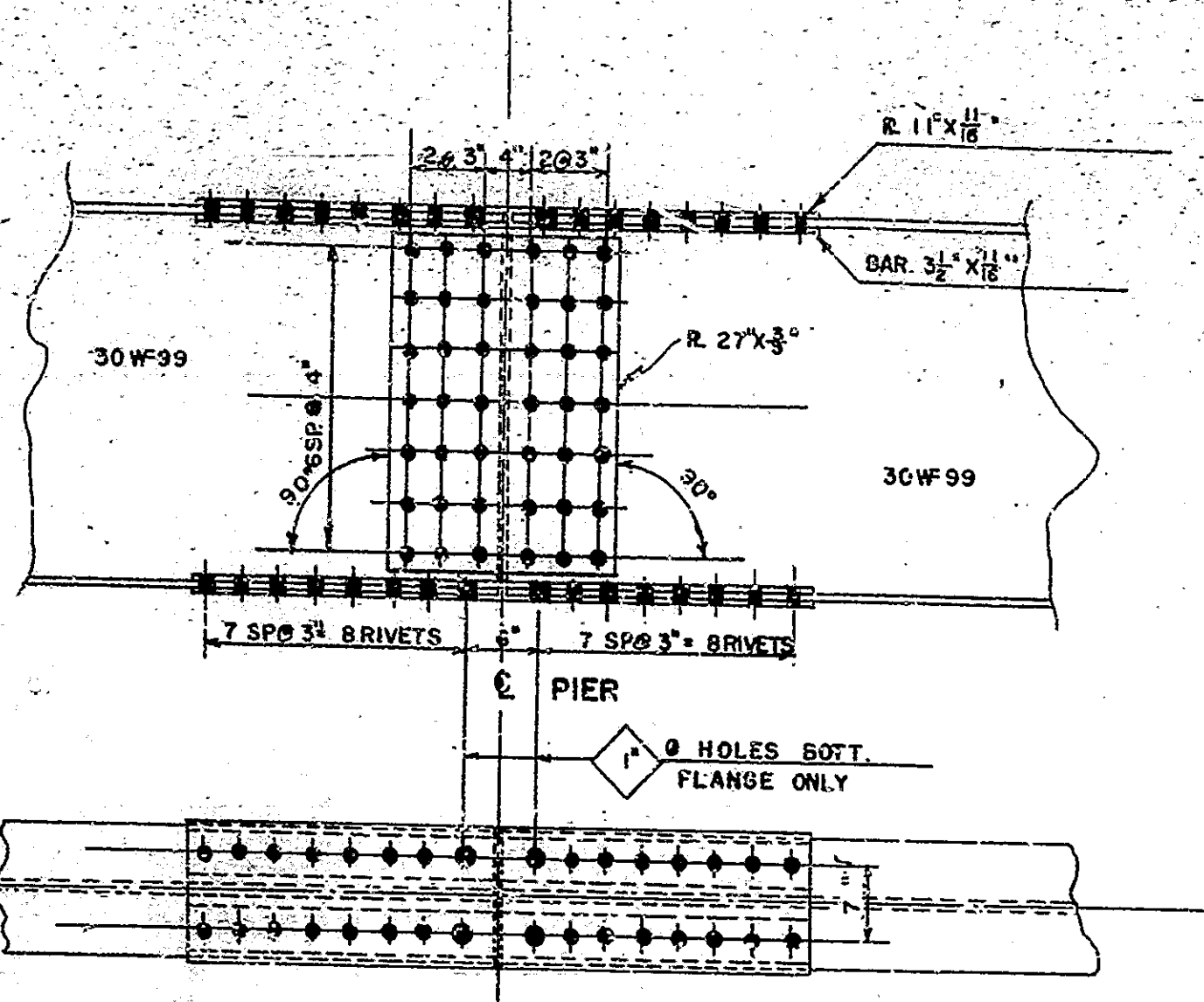
ALL STRUCTURAL STEEL TO BE FABRICATED FROM A.S.T.M. A-36 STEEL UNLESS NOTED

FRAMING PLAN  
STATE HIGHWAY DEPARTMENT OF INDIANA  
SCALE: 1/8" = 1'-0" UNLESS NOTED  
SUBMITTED FOR APPROVAL [Signature]  
DRAWING: S8 OF S8  
PROJECT: I-70-1(26)8  
BRIDGE CONTRACT NO. 6588  
BRIDGE FILE: I-70-8-2342

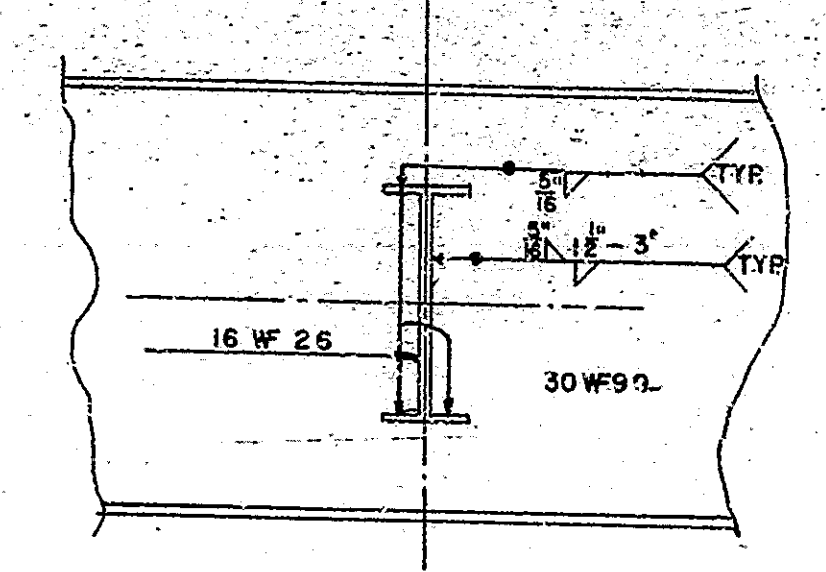
DESIGNED	R.K.	CKD	G.P.
DRAWN	J.P.E.	CKD	G.P.
TRACED	J.P.E.	CKD	R.K.



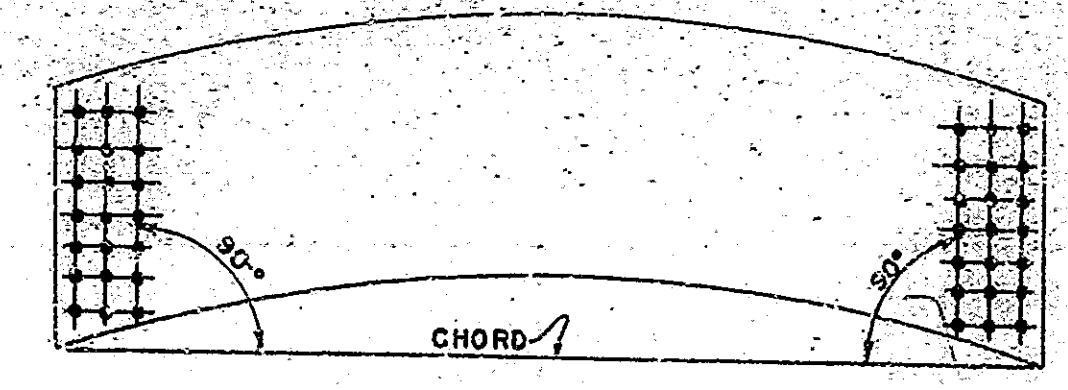
BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.	I-70-1 (26)8	1964	14	43



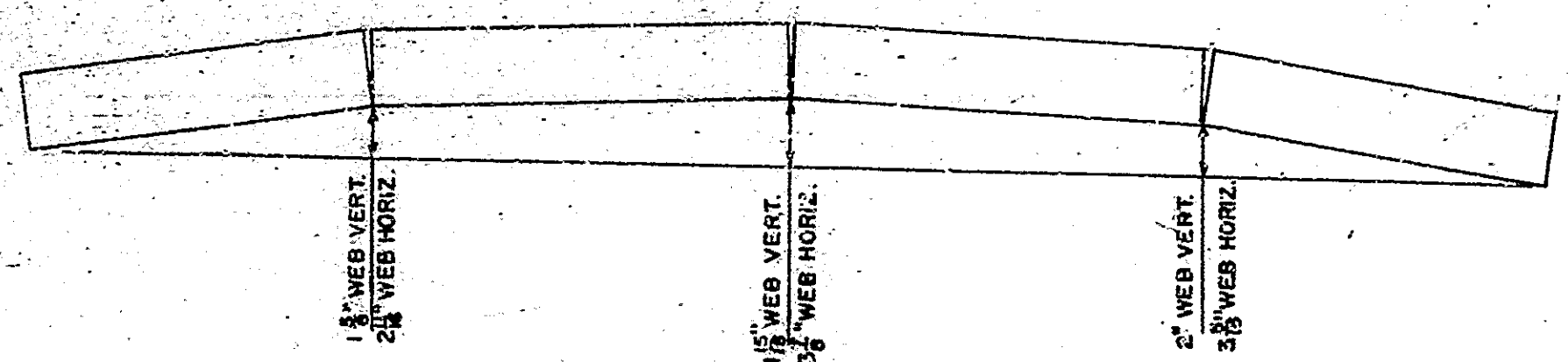
FIELD SPLICE PIERS 2,3&4  
SCALE 1" = 1'-0"



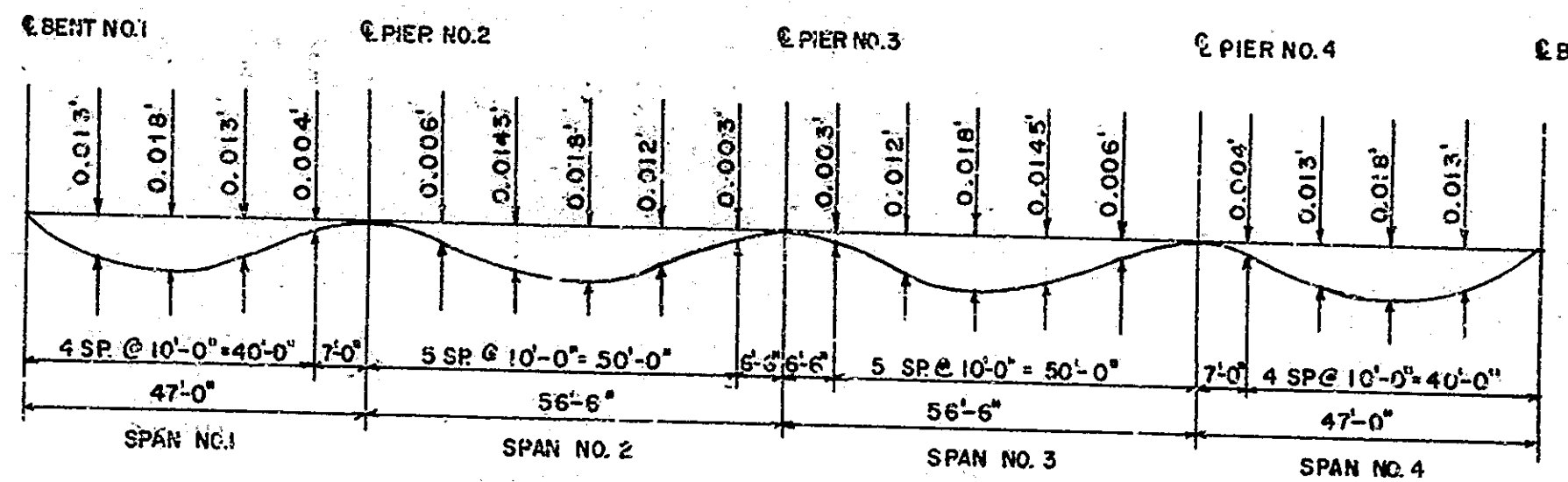
FIELD WELDMENT  
OF INTERIOR DIAPHRAGMS  
SCALE 1" = 1'-0"



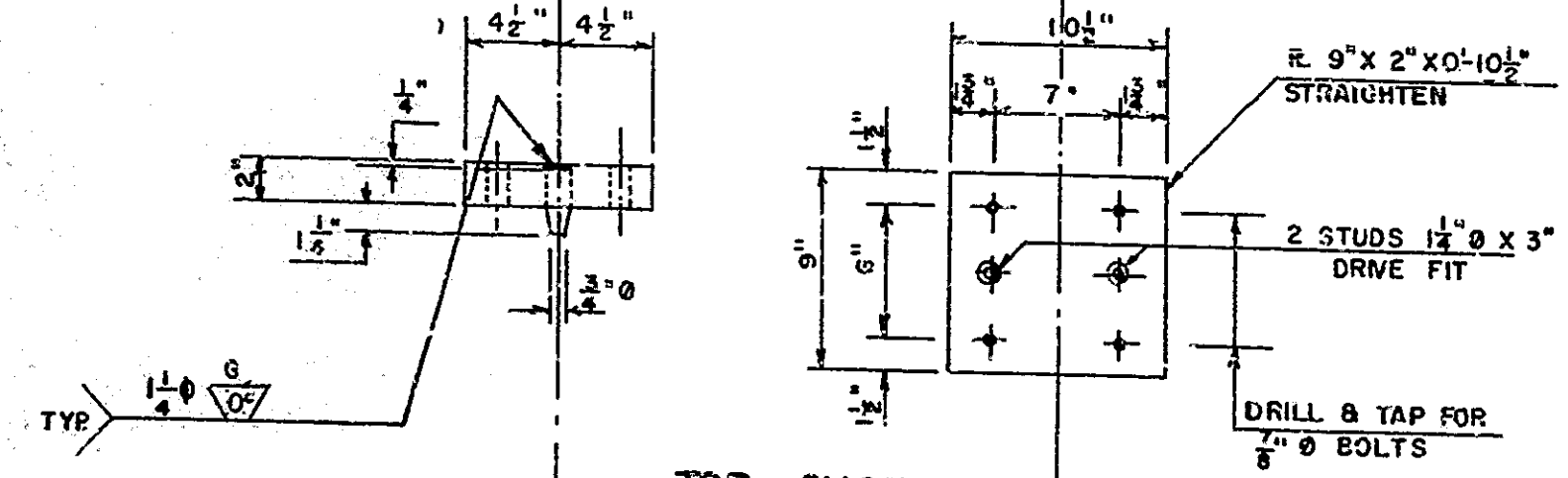
WEB PUNCHING SKETCH  
NO SCALE



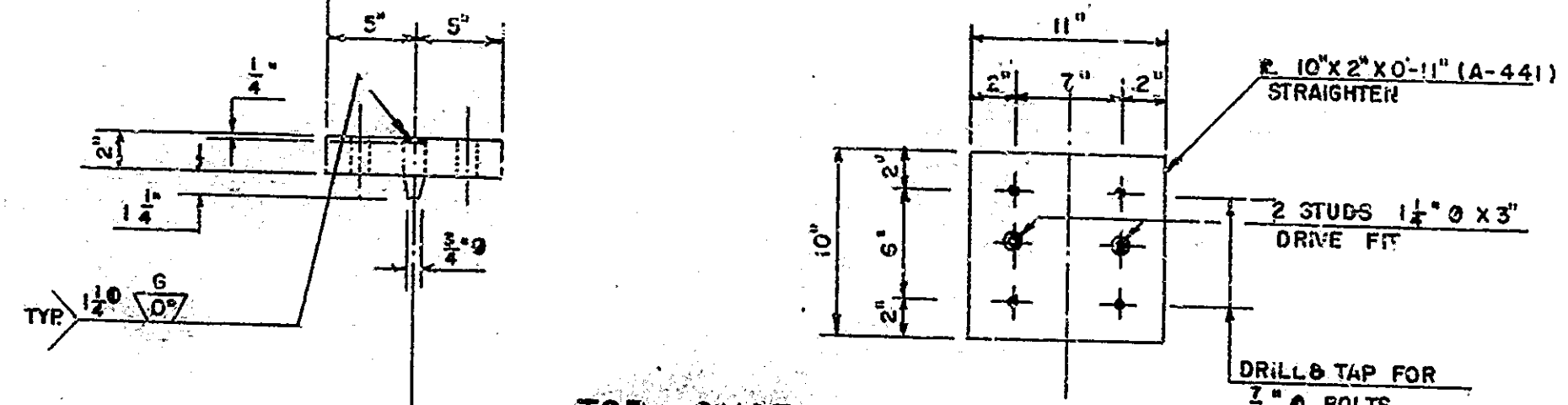
REAMING DIAGRAM  
NO. SCALE



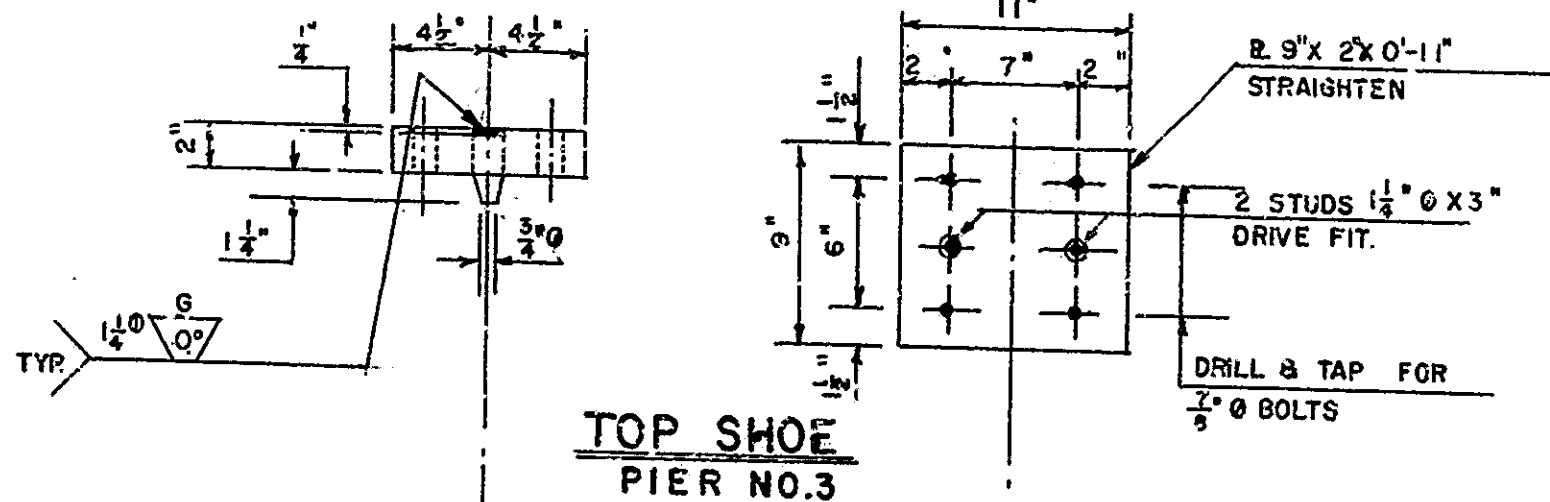
CONCRETE DEAD LOAD DEFLECTION  
SCALE: HORIZ. 1" = 20'-0"; VERT. 2" = 1"



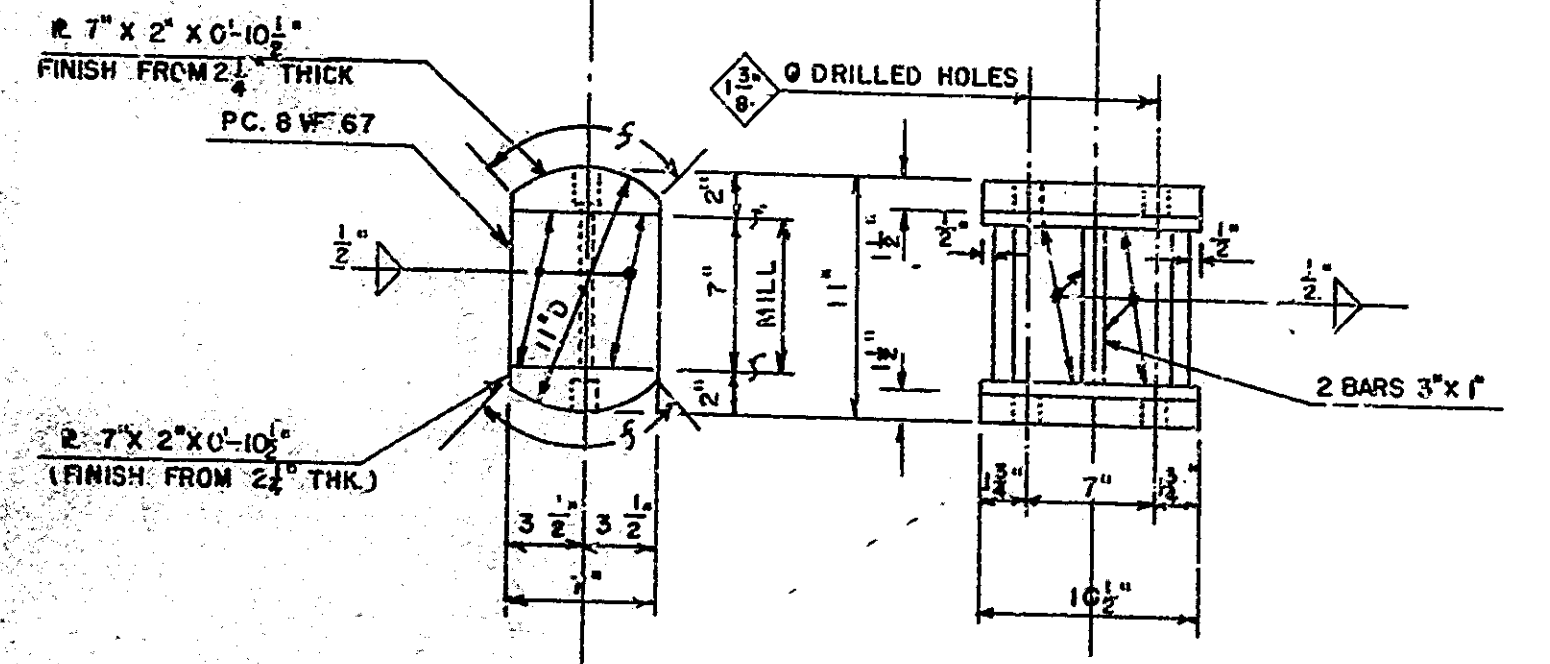
TOP SHOE  
BENTS NO. 1&5



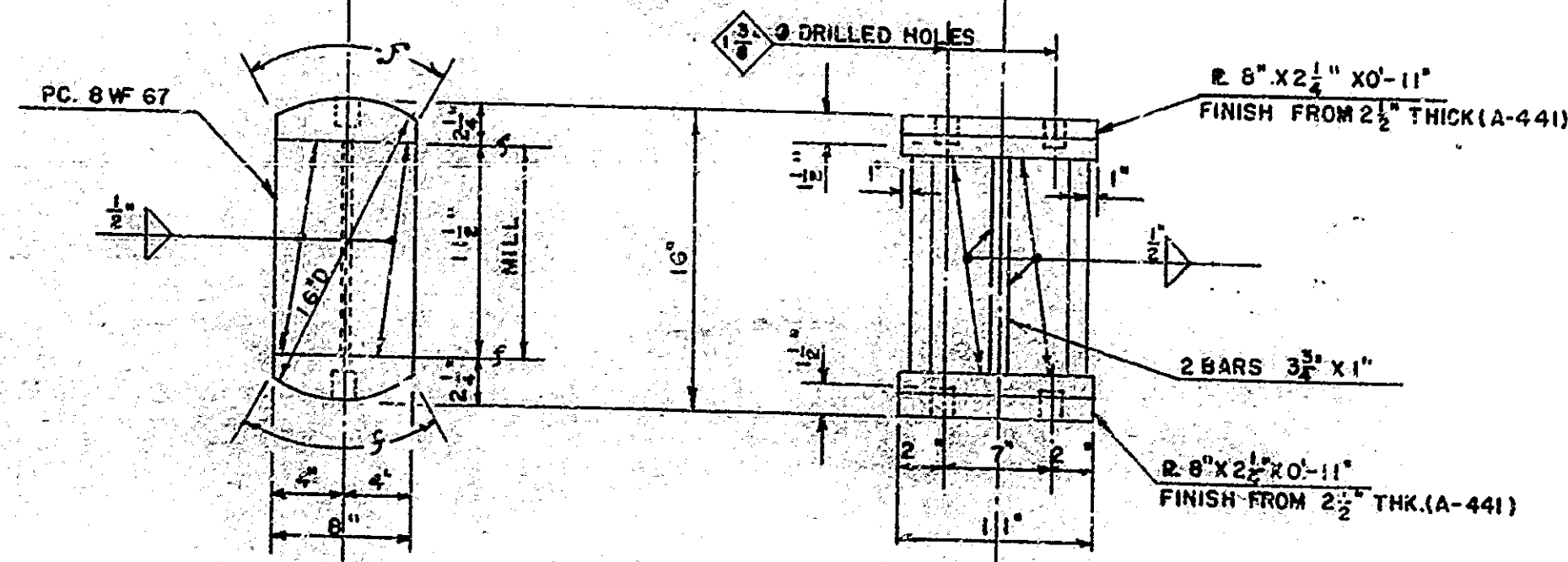
TOP SHOE  
PIERS NO. 2&4



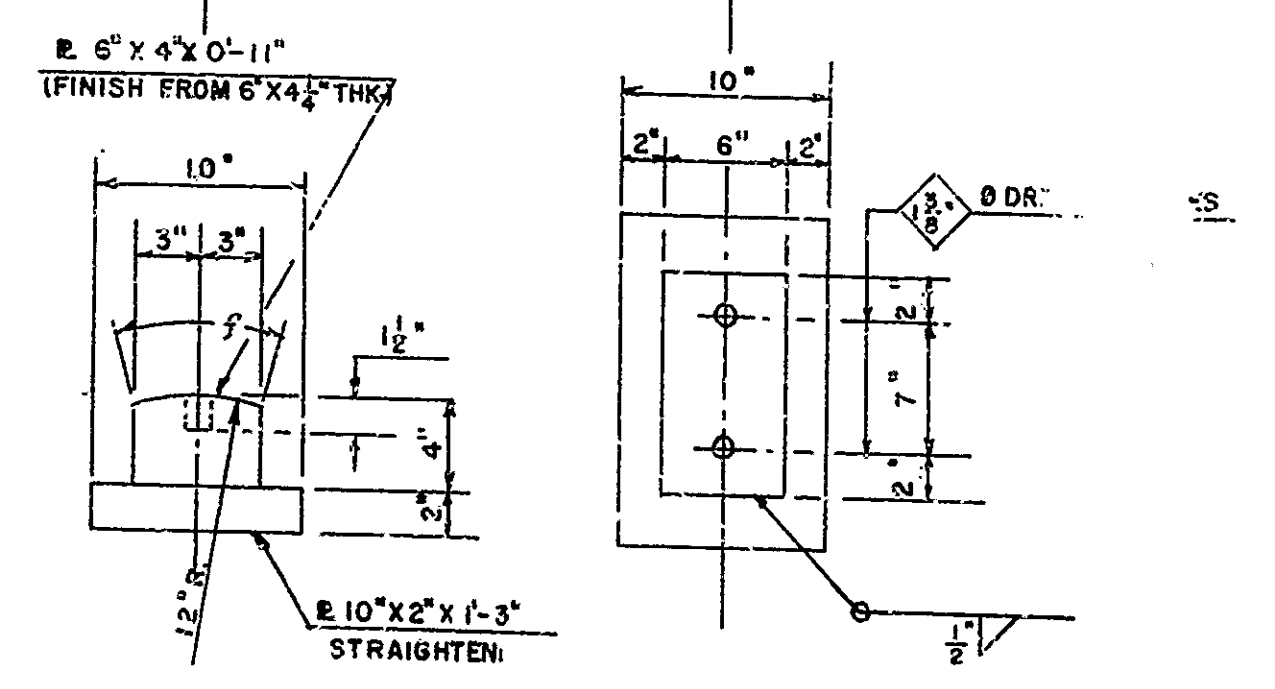
TOP SHOE  
PIER NO. 3



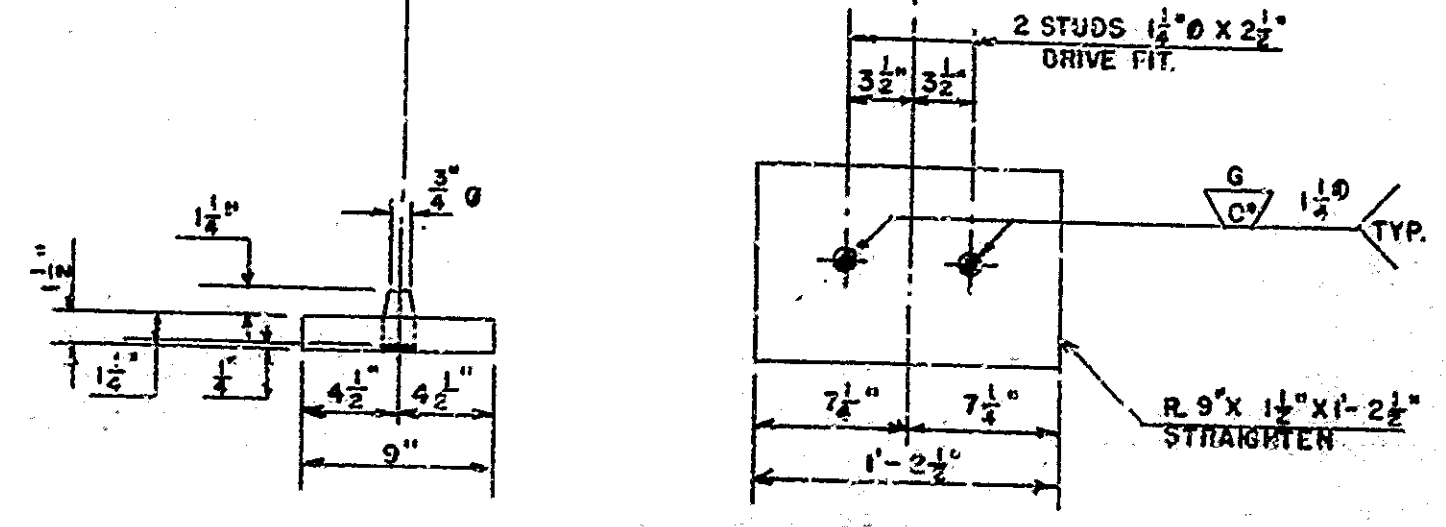
ROLLER  
BENTS NO. 1&5



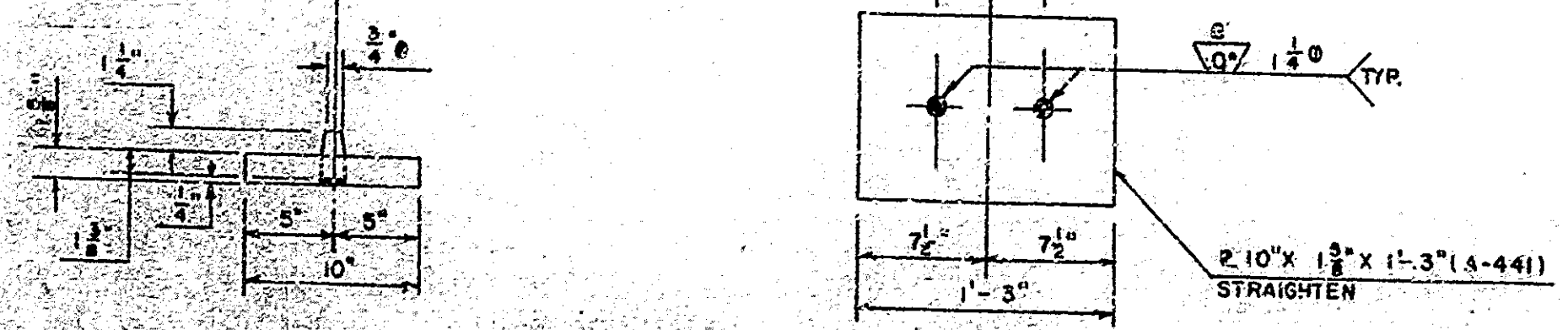
ROLLER  
PIERS NO. 2&4



FIXED SHOE  
PIER NO. 3  
SCALE: 1 1/2" = 1'-0"



BEARING PLATE  
BENTS NO. 1&5  
SCALE: 1 1/2" = 1'-0"



BEARING PLATE  
PIERS NO. 2&4  
SCALE: 1 1/2" = 1'-0"

DESIGNED R.K. CKD. G.F.  
DRAWN J.P.E. CKD. G.F.  
TRACED J.P.E. CKD. R.K.

STRUCTURAL DETAILS  
STATE HIGHWAY DEPARTMENT OF INDIANA

SCALE: 1 1/2" = 1'-0" UNLESS NOTED  
SUBMITTED FOR APPROVAL

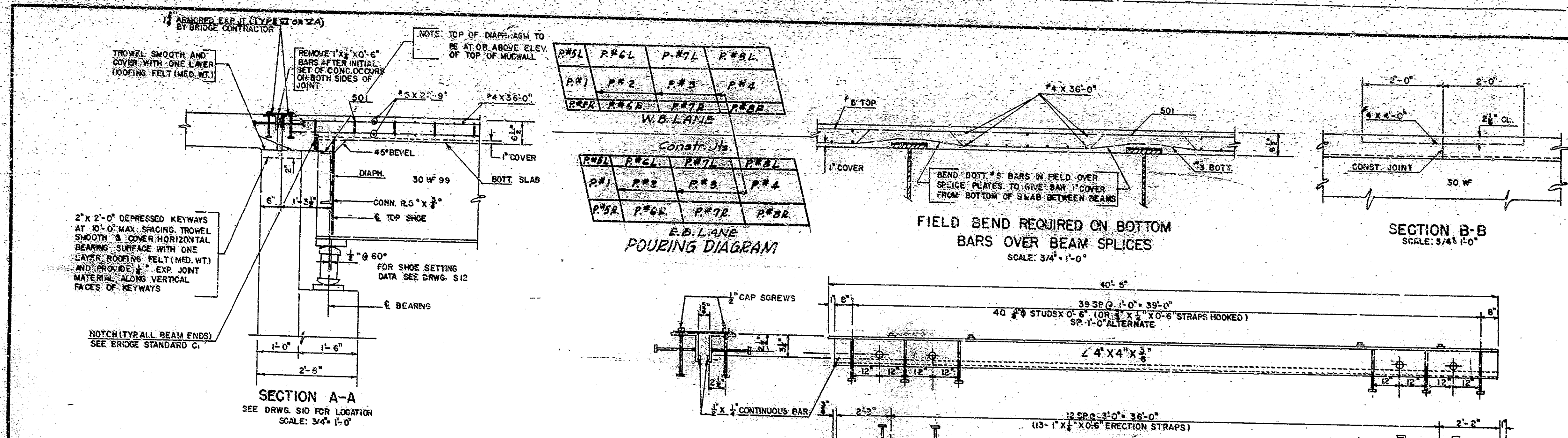
DRAWING: S9 OF S13  
PROJECT: I-70-1(26)8  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342

8-26-64







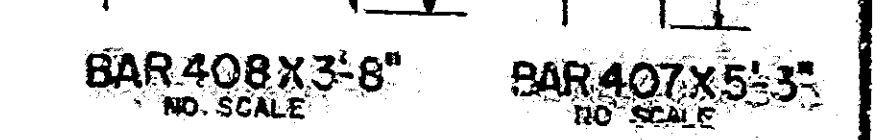
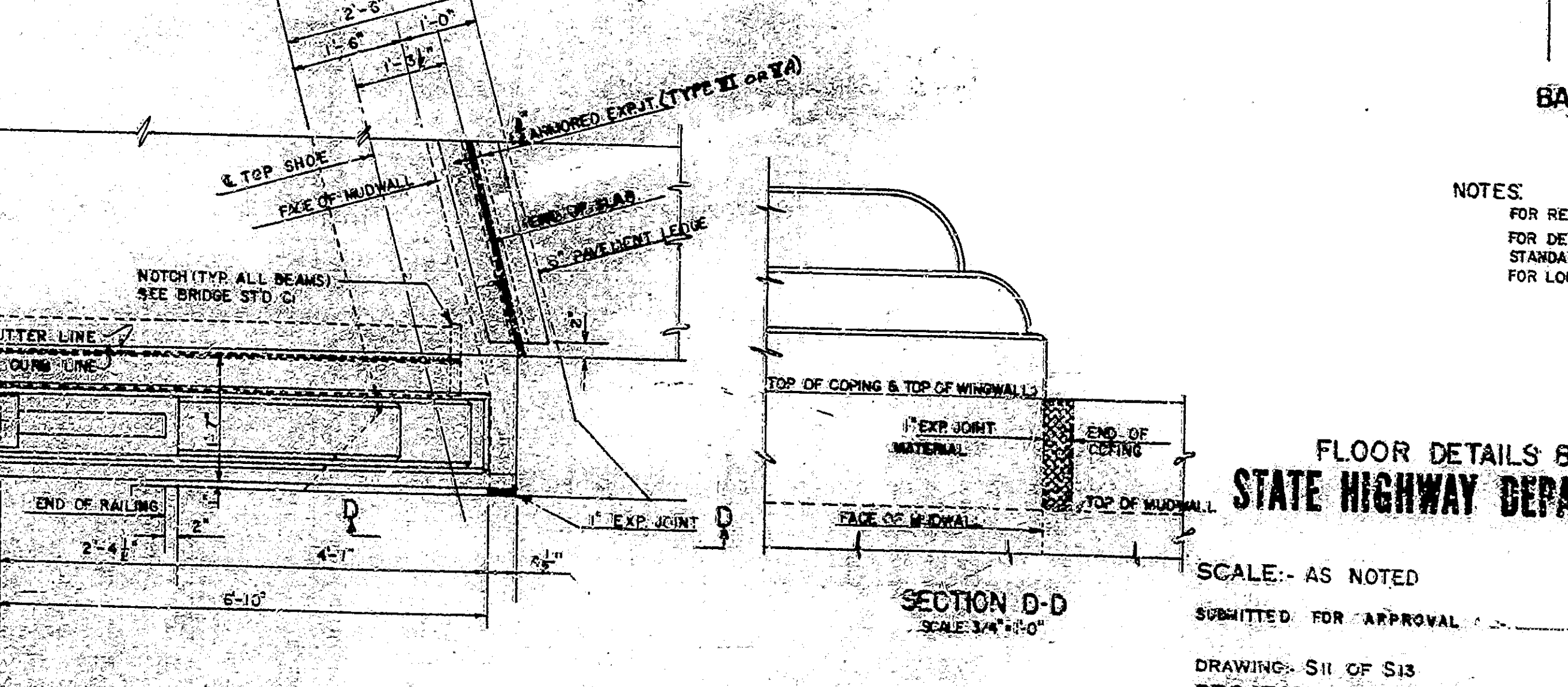
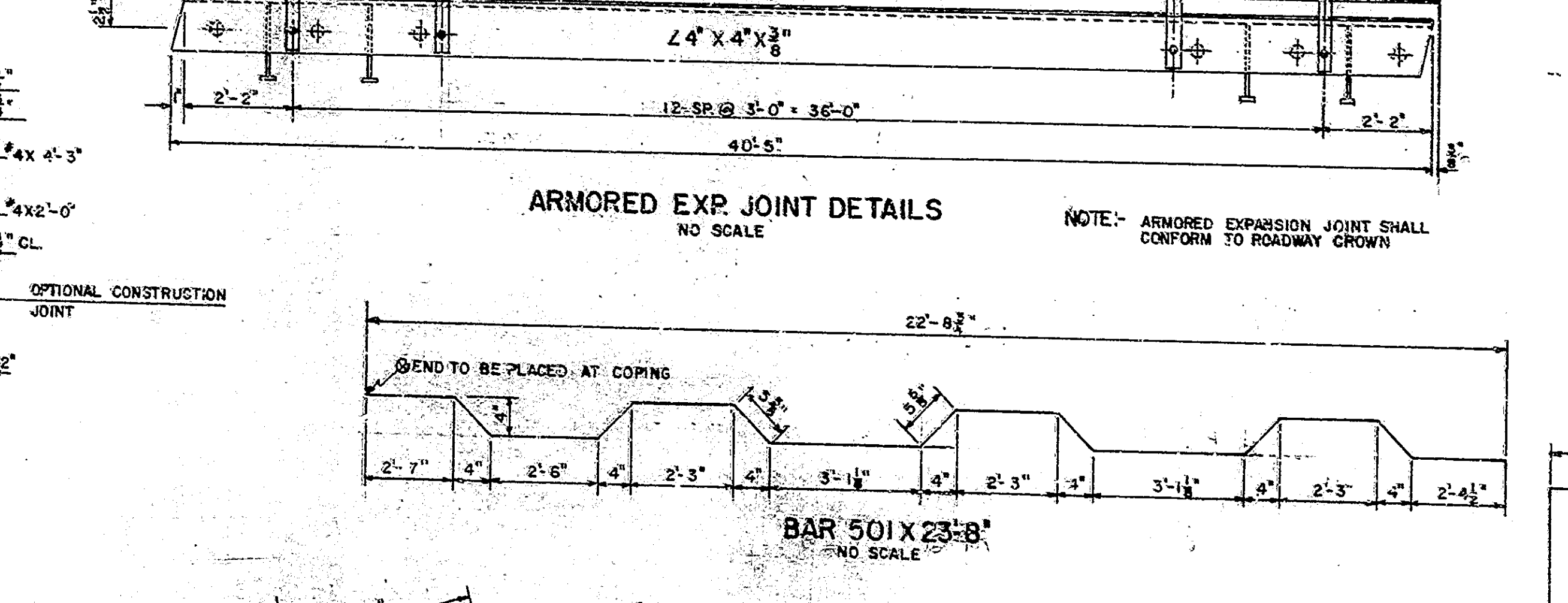
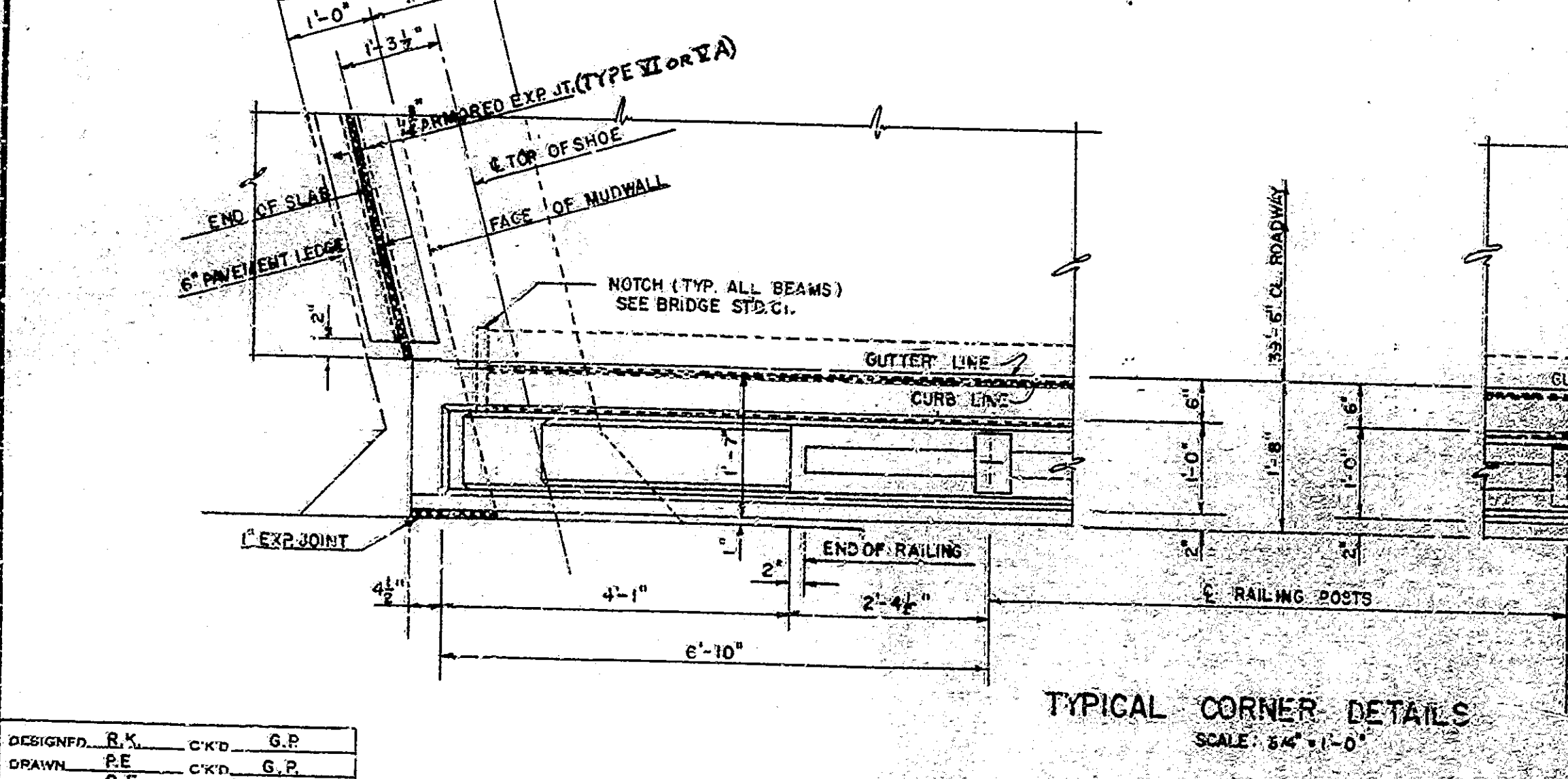
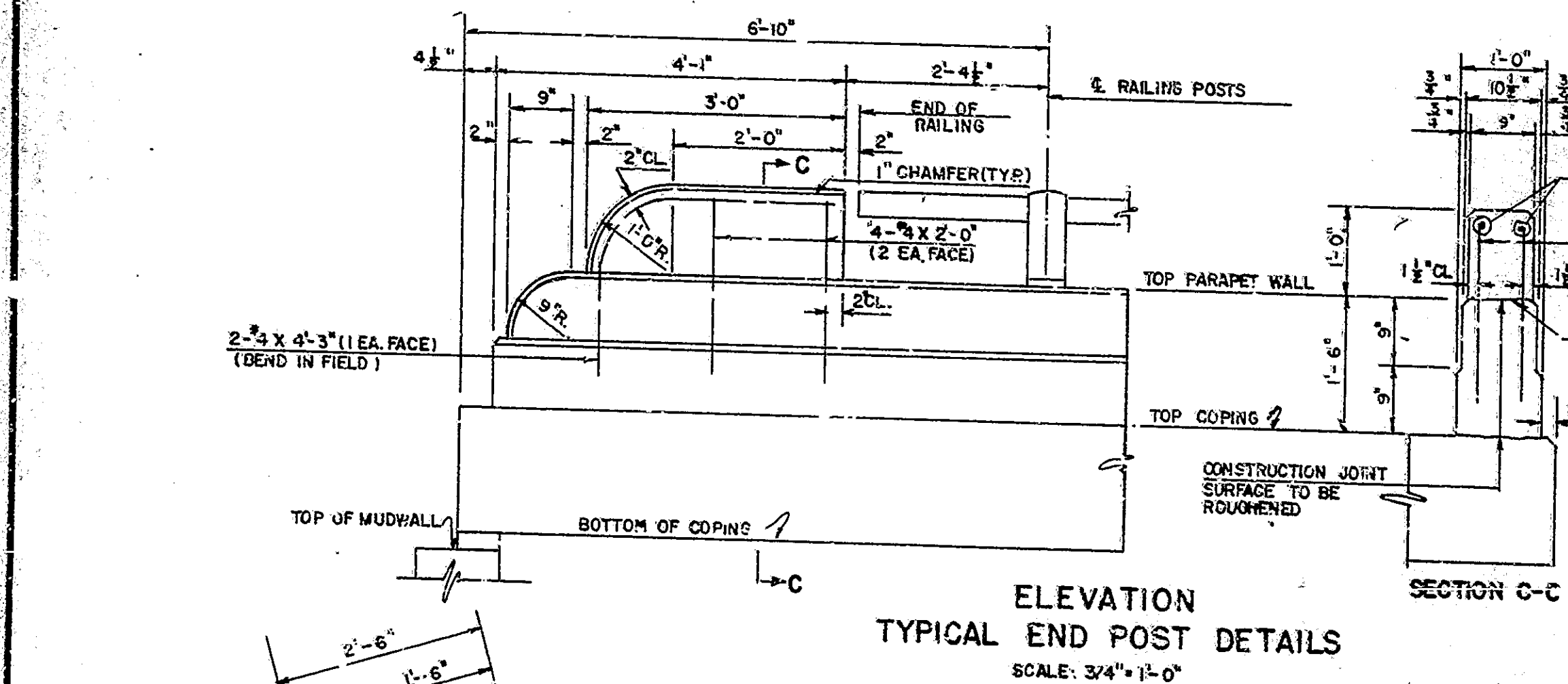


BRIDGES OVER 20' SPAN					
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-1 (26)8	1964	16	43

**BILL OF MATERIALS**  
E.B. LANE  
(W.B. LANE SAME EXCEPT AS NOTED)

REINFORCING STEEL			
SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT
501	418	25'-8"	
5	840	22'-9"	
TOTAL NO. 5			30,250
407	434	9'-2"	
408	282	3'-8"	
4	334	36'-0"	
4	63	4'-0"	
4	18	2'-0"	
4	8	2'-3"	
TOTAL NO. 4			15,267
3	12	16'-2"	
3	72	27'-8"	
3	12	23'-2"	
TOTAL NO. 3			926
TOTAL STEEL			46,443 LBS.

CONCRETE			
CLASS	TYPE	SUPERSQUARE YD.	ALLOWED
POUR No. 1	15.1 CY.	15.1	15.1
POUR No. 2	28.6	28.6	28.6
POUR No. 3	28.6	28.6	28.6
POUR No. 4	34.4	34.4	34.4
POUR No. 5 L	7.7	7.7	7.7
POUR No. 6 L	14.9	14.9	14.9
POUR No. 7 L	14.9	14.9	14.9
POUR No. 8 L	18.9	18.9	18.9
POUR No. 5 R	7.7	7.7	7.7
POUR No. 6 R	14.9	14.9	14.9
POUR No. 7 R	14.9	14.9	14.9
POUR No. 8 R	18.9	18.9	18.9
TOTAL CLASS 7'	203.2	203.2	203.2
RAILING-CONCRETE	22.1	22.1	22.1
MISCELLANEOUS			
ALUMINUM RAILINGS-TYPE 1		401	401
OR STEEL RAILINGS-TYPE A		401	401
1 1/2" EXP. JO. ARMOR (TYPE II or VA)		61	61



NOTES:  
FOR REINFORCING BAR NOTES SEE BRIDGE STANDARD C.  
FOR DETAILS OF NOTCH AT ENDS OF BEAMS, SEE BRIDGE STANDARD C.  
FOR LOCATION OF SECTIONS A-A AND B-B SEE DRWG. S10

FLOOR DETAILS & BILL OF MATERIALS  
**STATE HIGHWAY DEPARTMENT OF INDIANA**  
SCALE: AS NOTED  
SUBMITTED FOR APPROVAL: [Signature]  
DRAWING: S11 OF S13  
PROJECT: I-70-1(26)8  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342

DESIGNED	R.K.	CHKD	G.P.
DRAWN	P.E.	CHKD	G.P.
TRACED	P.E.	CHKD	R.K.



BRIDGES OVER 20' SPAN				
PUR. ROAD. REGION	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	I-70-1 (26)S	1964 '17	43

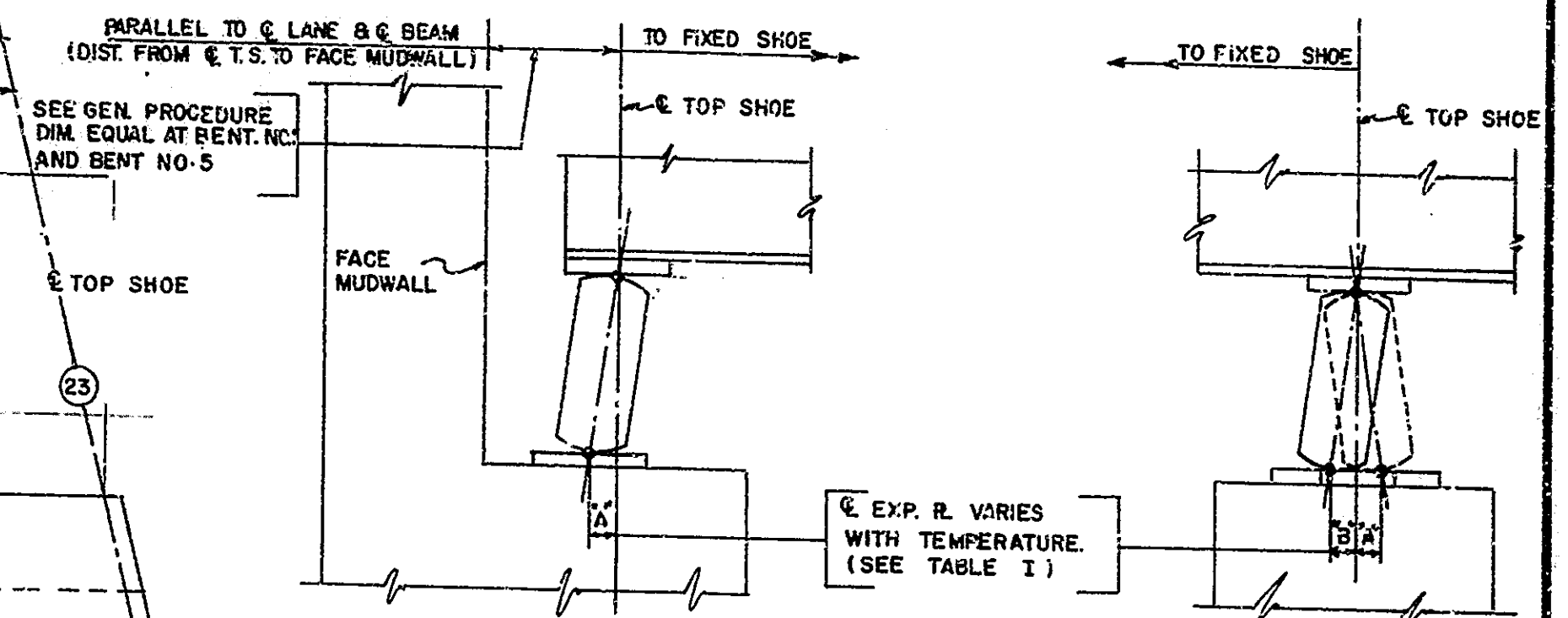
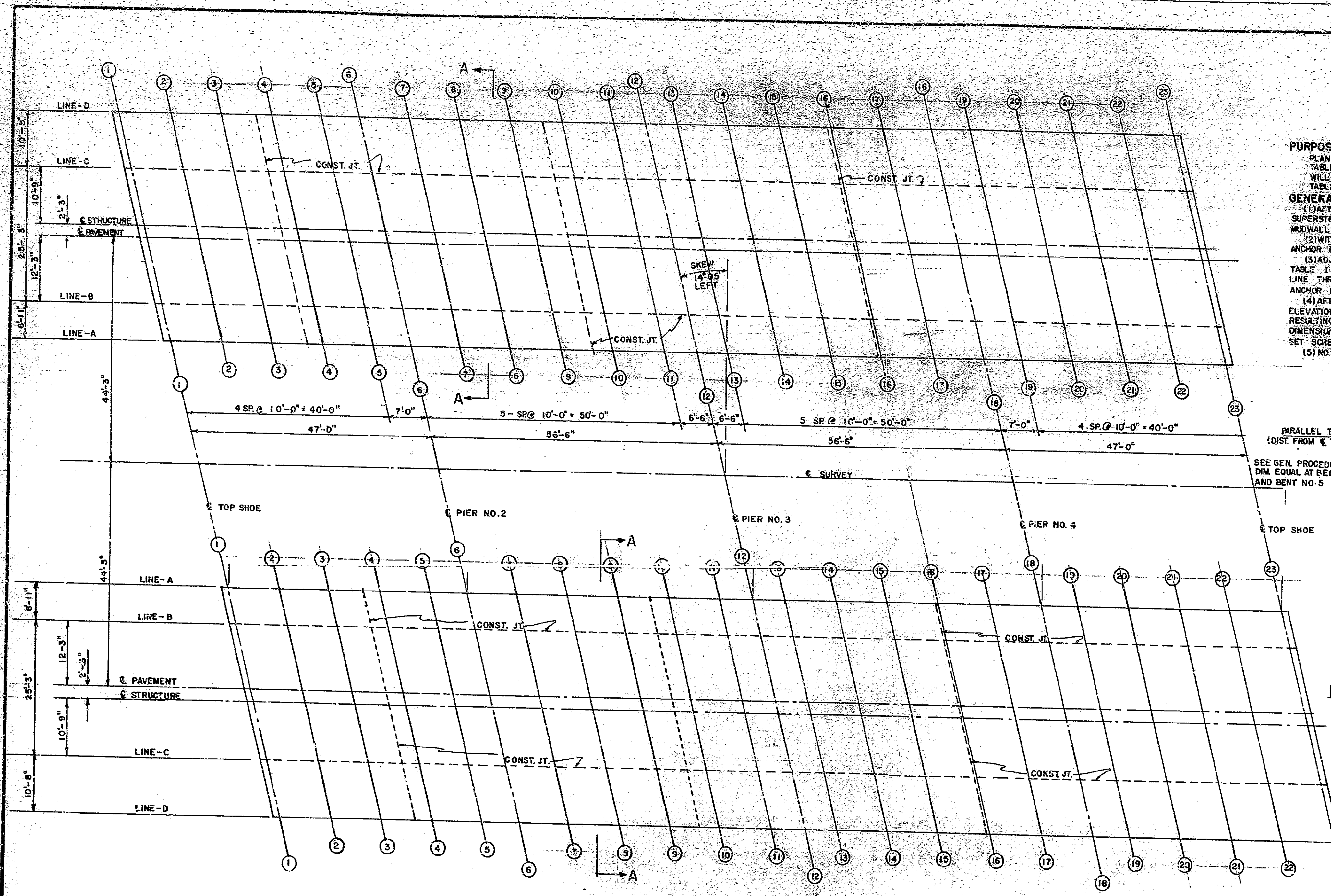
### GENERAL NOTES

#### PURPOSE:

PLAN OF SCREEDS SHOWS LOCATION OF SCREEDS. TABLE OF ELEVATIONS SHOWS DATA FOR SETTING SCREEDS AND COPING FORMS, SO THAT THE SLAB AND COPINGS WILL BE AT THE FINAL GRADE ELEVATIONS AFTER ALL THE CONCRETE HAS BEEN POURED. SEE DRAW. S15. TABLE I SHOWS DATA FOR SETTING EXPANSION PLATES.

#### GENERAL PROCEDURE

- (1) AFTER ALL JOISTS HAVE BEEN DRIVEN, ALL INTERIOR DIAPHRAGMS HAVE BEEN WELDED IN PLACE, ADJUST THE SUPERSTRUCTURE LONGITUDINALLY, SO THAT THE DISTANCE FROM THE E TOP SHOES TO THE FACE OF THE MIDWALL AT BENT NO. 1 IS EQUAL TO THE DISTANCE AT BENT NO. 5, ON E.B. AND W.B. STRUCTURES.
- (2) WITH THE SUPERSTRUCTURE IN THE ADJUSTED POSITION CALLED FOR IN (1) WELD THE FIXED SHOES TO THE ANCHOR PLATES AT PIER NO. 3.
- (3) ADJUST THE EXPANSION PLATES UNDER EACH EXPANSION SHOE IN ACCORDANCE WITH DIMENSION "A" OR "B" IN TABLE I FOR THE PREVAILING TEMPERATURE. NOTE THAT DIMENSION "A" IS ALWAYS THE DISTANCE FROM A VERTICAL LINE THRU THE E TOP SHOE IN A DIRECTION AWAY FROM THE FIXED SHOES. WELD THE EXPANSION PLATES TO THE ANCHOR PLATES.
- (4) AFTER THE SHOES ARE SET TAKE ELEVATIONS AT ALL SCREED POINTS ON TOP OF ADJACENT BEAMS. ENTER THESE ELEVATIONS IN THE TABLE OF ELEVATIONS. SUBTRACT THESE ELEVATIONS FROM THE TABULATED ELEVATIONS AND USE RESULTING DIMENSION "A" 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.
- (5) NO CONCRETE IN THE FLOOR IS TO BE POURED UNTIL THE ABOVE OPERATIONS ARE COMPLETED.



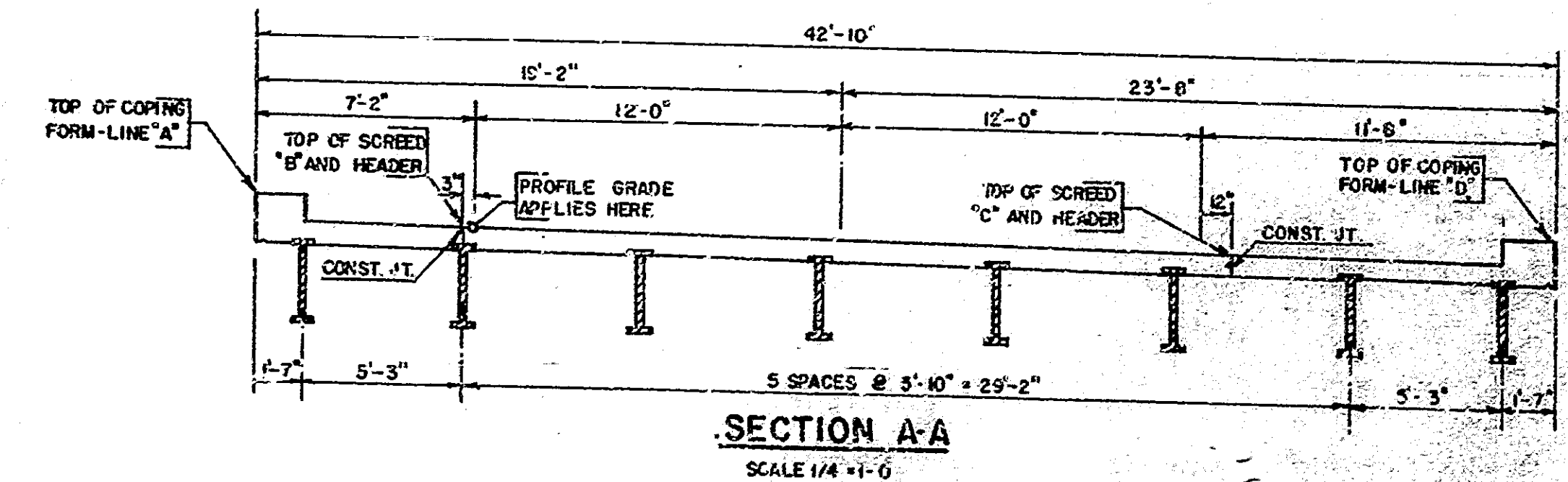
BENT NO. 1 OR BENT NO. 5  
E.B. & W.B. STRUCTURES  
NO SCALE

PIER NO. 2 OR PIER NO. 4  
E.B. & W.B. STRUCTURES  
NO SCALE

PLAN OF SCREEDS  
SCALE: 3/32" = 1'-0"

TABLE I

TEMPERATURE (F)	DIMENSION A						
	0°	20°	40°	60°	80°	100°	120°
P. SHOE TO E. EXP. P. BENT NO. 1	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"
OP. SHOE TO E. EXP. P. BENT NO. 5	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"
E. TOP SHOE TO E. EXP. P. PIER NO. 2	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"
E. TOP SHOE TO E. EXP. P. PIER NO. 4	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"



SECTION A-A  
SCALE 1/4" = 1'-0"

DESIGNED	R.K.	CHKD	G.P.
DRAWN	DE	CHKD	G.P.
TRACED	PE	CHKD	R.K.

SCREEDS  
STATE HIGHWAY DEPARTMENT OF INDIANA

SCALE: AS SHOWN  
SUBMITTED FOR APPROVAL

*[Signature]*

8-26-64

DRAWING: S12, OF S13  
PROJECT: I-70-1(26)S  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342



BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-70-1 (26)B	1964	18	23

TABLE OF ELEVATIONS - E.B. LANE

POINT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
A	ELEVATION TOP OF COPING FORM	523.930	523.985	524.070	524.140	524.205	524.250	524.325	524.400	524.465	524.515	524.565	524.595	524.635	524.690	524.745	524.780	524.815	524.845	524.875	524.915	524.945	524.970	524.980
	ELEVATION TOP OF OUTSIDE BEAM																							
	DIST. TOP BEAM TO TOP COPING FORM																							
B	ELEVATION TOP OF SCREED	523.090	523.135	523.215	523.290	523.345	523.400	523.470	523.545	523.610	523.665	523.710	523.740	523.775	523.835	523.885	523.925	523.955	523.985	524.015	524.055	524.090	524.110	524.115
	ELEVATION TOP OF BEAM																							
	DIST. TOP BEAM TO TOP SCREED																							
C	ELEVATION TOP OF SCREED	522.825	522.915	523.000	523.085	523.180	523.175	523.245	523.315	523.380	523.430	523.475	523.505	523.540	523.595	523.645	523.685	523.710	523.740	523.765	523.805	523.835	523.855	523.860
	ELEVATION TOP OF BEAM																							
	DIST. TOP BEAM TO TOP SCREED																							
D	ELEVATION TOP OF COPING FORM	523.530	523.620	523.700	523.770	523.830	523.875	523.945	524.015	524.080	524.130	524.175	524.205	524.235	524.290	524.340	524.375	524.405	524.435	524.460	524.495	524.525	524.545	524.550
	ELEVATION TOP OF OUTSIDE BEAM																							
	DIST. TOP BEAM TO TOP COPING FORM																							

TABLE OF ELEVATIONS - W.B. LANE

POINT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
A	ELEVATION TOP OF COPING FORM	523.790	523.890	523.970	524.050	524.120	524.170	524.245	524.325	524.390	524.450	524.500	524.535	524.575	524.635	524.690	524.730	524.770	524.800	524.835	524.875	524.915	524.940	524.950
	ELEVATION TOP OF OUTSIDE BEAM																							
	DIST. TOP BEAM TO TOP COPING FORM																							
B	ELEVATION TOP OF SCREED	522.910	523.010	523.100	523.175	523.240	523.290	523.370	523.450	523.515	523.575	523.625	523.660	523.700	523.760	523.815	523.860	523.895	523.930	523.960	524.005	524.045	524.080	524.085
	ELEVATION TOP OF BEAM																							
	DIST. TOP BEAM TO TOP SCREED																							
C	ELEVATION TOP OF SCREED	522.585	522.685	522.790	522.855	522.925	522.975	523.055	523.135	523.205	523.265	523.320	523.355	523.395	523.460	523.520	523.565	523.600	523.640	523.670	523.715	523.755	523.795	523.800
	ELEVATION TOP OF BEAM																							
	DIST. TOP BEAM TO TOP SCREED																							
D	ELEVATION TOP OF COPING FORM	523.245	523.350	523.440	523.515	523.590	523.640	523.720	523.800	523.875	523.935	523.995	524.025	524.065	524.130	524.190	524.235	524.275	524.310	524.345	524.390	524.430	524.460	524.475
	ELEVATION TOP OF OUTSIDE BEAM																							
	DIST. TOP BEAM TO TOP COPING FORM																							

NOTE:  
FOR LOCATIONS OF SCREED POINTS AND NOTES SEE DRWG. S2

TABLE OF ELEVATIONS  
STATE HIGHWAY DEPARTMENT OF INDIANA

SCALE: NO SCALE

SUBMITTED FOR APPROVAL

*[Signature]*

8-28-64

DESIGNED: R.K. CKD: G.P.  
DRAWN: D.F. CKD: G.P.  
TRACED: P.C. CKD: R.K.

DRAWING: S13 OF S15  
PROJECT: I-70-1(26)B  
BRIDGE CONTRACT NO. 6583  
BRIDGE FILE: I-70-8-2342



