

BRIDGE CONTRACT NO. 4888

INDEX						
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION	CONTRACT NO.
	52-P-1784A	REPAIRS TO PRESENT STRUCTURE		WABASH RIVER & S.R. 43	4 PIER 6 106+46.47	6888
SHEET NO.	SHEET DESIGNATION	SUBJECT				S.P.R. APPROVAL
1	ONE SHEET	INDEX & TITLE SHEET				
2	R 1 (ETR. 52-P-1784A)	WIDENED R.C. BRIDGE APPROACH				
3	R 2	GENERAL PLAN				
4	R 3	JACKING SCHEMES				
5	R 4	BENT NO. 1, PIERS NO. 4 & 7 REPAIRS				
6	R 5	ABUTMENT NO. 9 REPAIR DETAILS				
7	R 6	ABUTMENT NO. 9 REPAIR DETAILS				
8	R 7	STEEL DETAILS - BENT NO. 1				
9	R 8	STEEL DETAILS - BENT NO. 1 & DRAIN GUIDES				
10	R 9	STEEL DETAILS - PIERS 4, 5 & 6				
11	R 10	STEEL DETAILS - ABUTMENT NO. 9				
12	R 11	STEEL DETAILS - ABUTMENT NO. 9				
13	R 12	FLOOR DETAILS - SPANS A, B & C				
14	R 13	FLOOR DETAILS - SPANS A, B & C				
15	R 14	FLOOR DETAILS - SPANS D OR SPAN E				
16	R 15	FLOOR DETAILS - SPANS F, G & H				
17	ONE SHEET	SUMMARY				
18	ONE SHEET	STANDARD PAVEMENT SECTION (Rd. S.H. E.II-IR: R-4-T-64)				

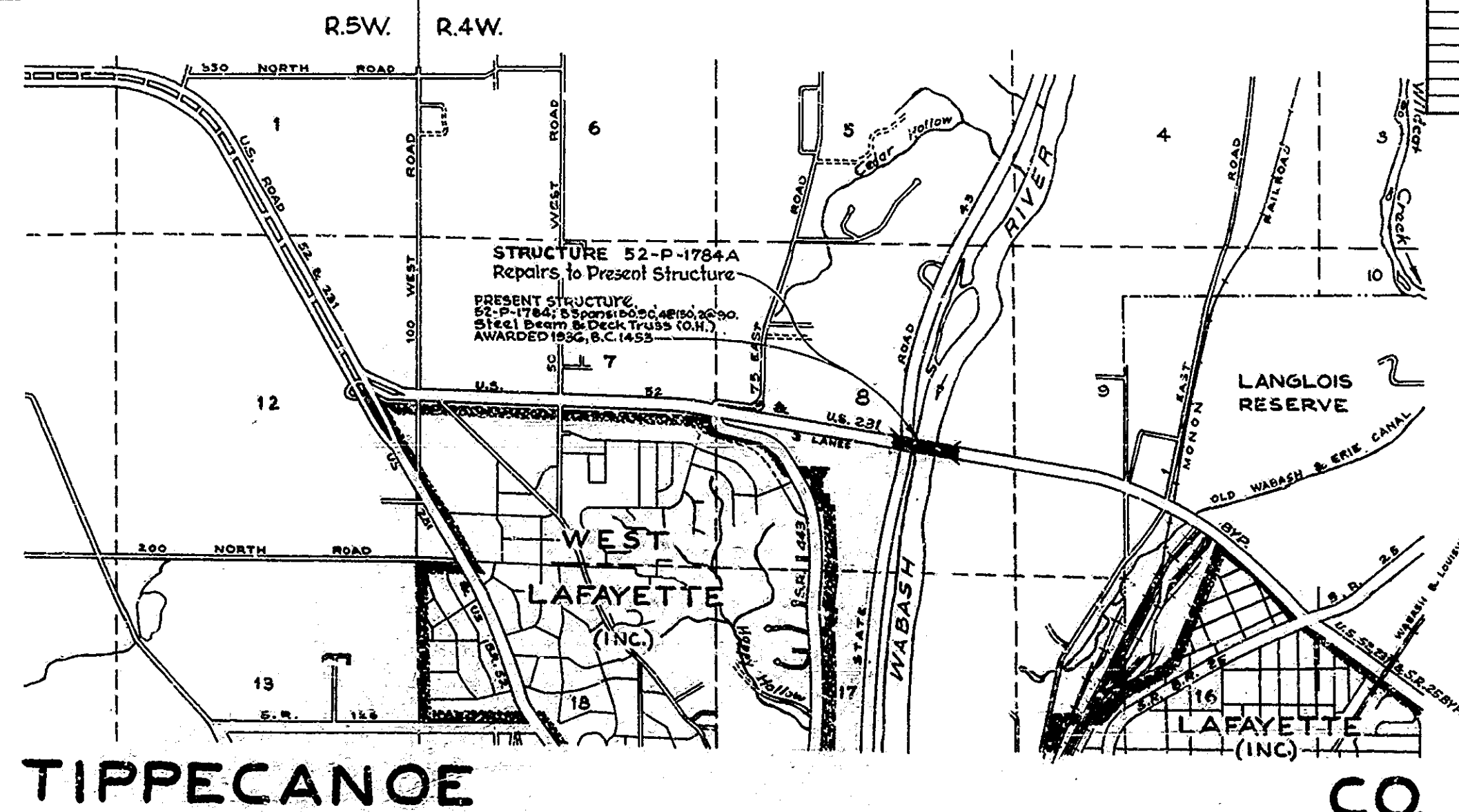
STATE OF INDIANA
INDIANA STATE HIGHWAY COMMISSION

BRIDGE PLANS FOR SPANS OVER 20 FEET ON STATE ROAD NO. 52 SECTION P

FOWLER - LEBANON ROAD
STRUCTURE 52-P-1784A IS LOCATED ON U.S. 52 OVER THE WABASH RIVER & S.R. 43 AT THE NORTH EDGE OF LAFAYETTE, ALL IN SECTION 8 T-23N. R-4W, TIPPECANOE COUNTY.

BRIDGES OVER 20' SPAN					
RANGE ROAD DISTRICT NO.	STATE	STRUCTURE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	52-P-1784A	1965	1	30

INDEX CONTINUED STANDARD DRAWINGS			
SHEET NO.	SHEET DESIGNATION	SUBJECT	S.P.R. APPROVAL
1.8	BRIDGE STD. G1	STANDARD MISCELLANEOUS DETAILS	
	BRIDGE STD. G2	STANDARD MISCELLANEOUS DETAILS	
	BRIDGE STD. O	CASTING DETAILS ROADWAY DRAINS	8-12-62 R-4-25-63
1.9	BRIDGE STD. J	EXPANSION JOINTS	
	BRIDGE STD. GRA	TYPICAL BEAM GUARD RAIL DETAILS	5-25-63 R-4-7-63
	BRIDGE STD. H	TYP. DETAILS OF THICK PAVEMENT & LOC. TOE OF SL. AROUND END BENTS	
	BRIDGE STD. N	TYP. DETAILS OF THICK PAVEMENT & LOCATING TOE OF SLOPE	
	BRIDGE STD. HS	CONT. STEEL BEAM - TYP. APPROACH DETAILS - TWIN STRUCTURES	
	BRIDGE STD. HS	ST. BEAM & R.C. GIRDER - TYP. APPROACH DETAILS - TWIN STRUCTURES	
	BRIDGE STD. HS	CONT. STEEL BEAM - TYP. APPROACH DETAILS - TWO-LANE STRUCTURES	
2.0	BRIDGE STD. M1	MISCELLANEOUS APPROACH DETAILS	6-21-53 R-4-13-63
	BRIDGE STD. M2	MISCELLANEOUS APPROACH DETAILS	
2.1	BRIDGE STD. M3	MISCELLANEOUS APPROACH DETAILS	R-4-3-57
	BRIDGE STD. M4	R.C. BRIDGE APPROACH TURNOUT DETAILS - 12'-0" SHOULDERS	
	BRIDGE STD. M5	SLOPEWALL AND DRAINAGE DETAILS	
	BRIDGE STD. M6	STANDARD CONCRETE PILE DETAILS	
	BRIDGE STD. PB	PRESTRESSED CONCRETE TYPE I-BEAMS	
	BRIDGE STD. PB	PRESTRESSED COMPOSITE BOX BEAMS - WIDE	
	BRIDGE STD. PB10	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS	
2.2	BRIDGE STD. R1-C	ALUMINUM RAILING - TYPE A	R-12-1-64
2.3	BRIDGE STD. R1-E	ALUMINUM RAILING - TYPE B	R-4-27-63
2.4	BRIDGE STD. R1-F	STEEL RAILING - TYPE C	R-12-65 R-4-27-63
	BRIDGE STD. S1	TYPICAL DETAILS FOR PLACING GRADE "B" SPECIAL BORROW	
	BRIDGE STD. S2	TYPICAL DETAILS FOR PLACING GRADE "B" SPECIAL BORROW	
	BRIDGE STD. T SHEET A	STANDARD TEMPORARY BRIDGE	
	BRIDGE STD. T SHEET B	STANDARD TEMPORARY BRIDGE	
	ROAD STD. SHEET A	STANDARD PAVEMENT JOINTS	
	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS	8-26-64 R-2-1-64
	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS	
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS	
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS	
2.6	ROAD STD. SHEET ME1	MISCELLANEOUS STANDARDS	7-27-65 R-6-25-65
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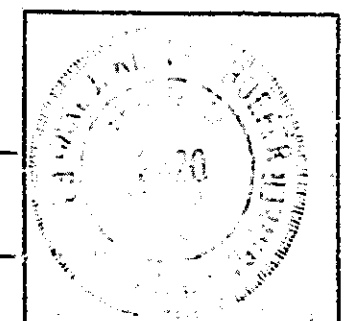


TRAFFIC DATA	
A.D.T. (19)	V.P.D.
A.D.T. (19 PROJECTED)	V.P.D.
A.D.T. (19 PROJECTED)	V.P.D.
TRUCKS	%
DESIGN SPEED	M.P.H.
ACCESS CONTROL	

APPROVED 9-20-65
[Signature]
CHIEF HIGHWAY ENGINEER - INDIANA STATE HIGHWAY COMMISSION

REVISIONS	
DATE	SHEET NO.

RECOMMENDED FOR APPROVAL 9-17-65
[Signature]
ENGINEER OF PLANS AND SPECIFICATIONS
INDIANA STATE HIGHWAY COMMISSION



INDIANA STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS DATED 1953
TO BE USED WITH THESE PLANS.

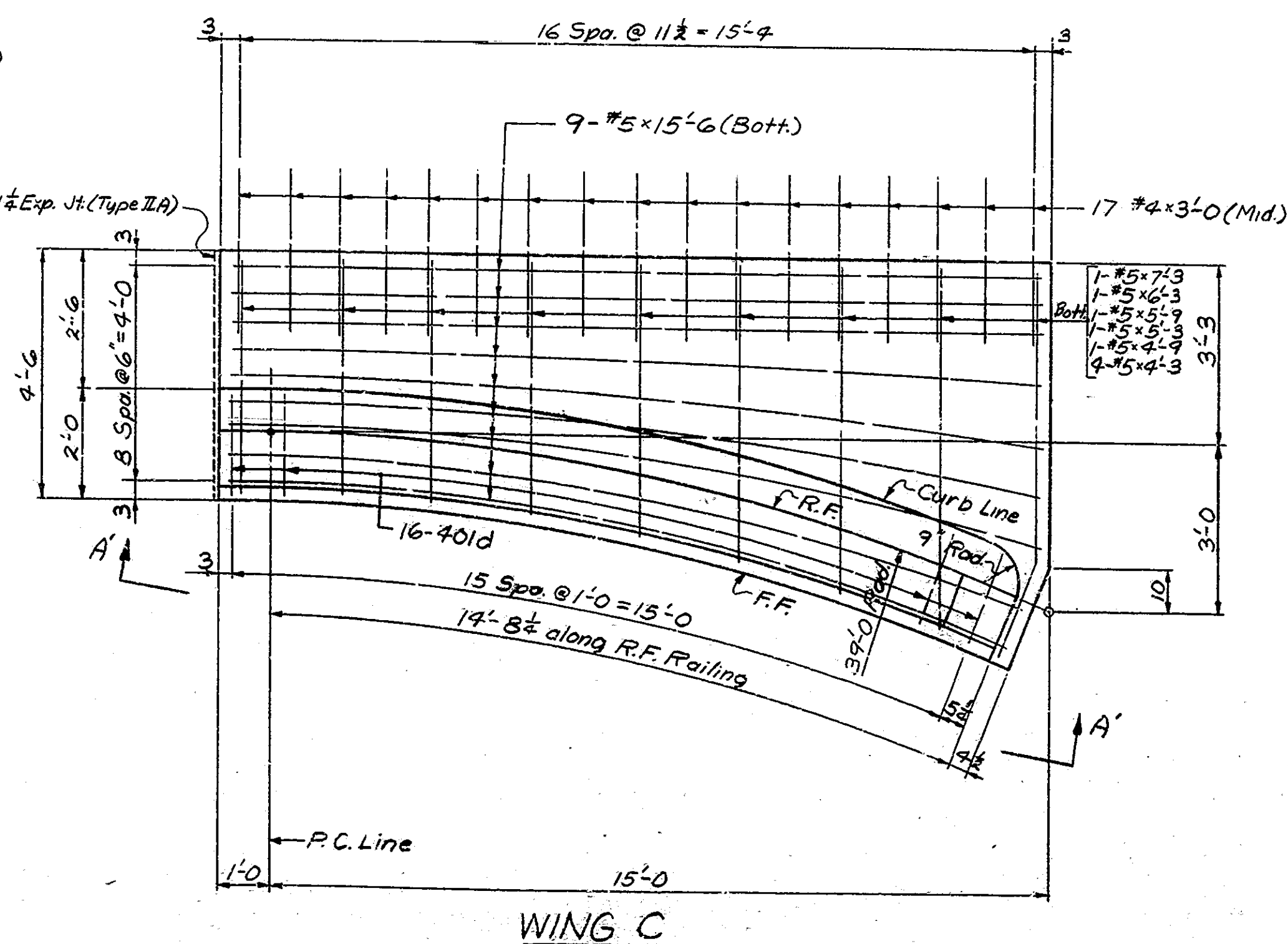
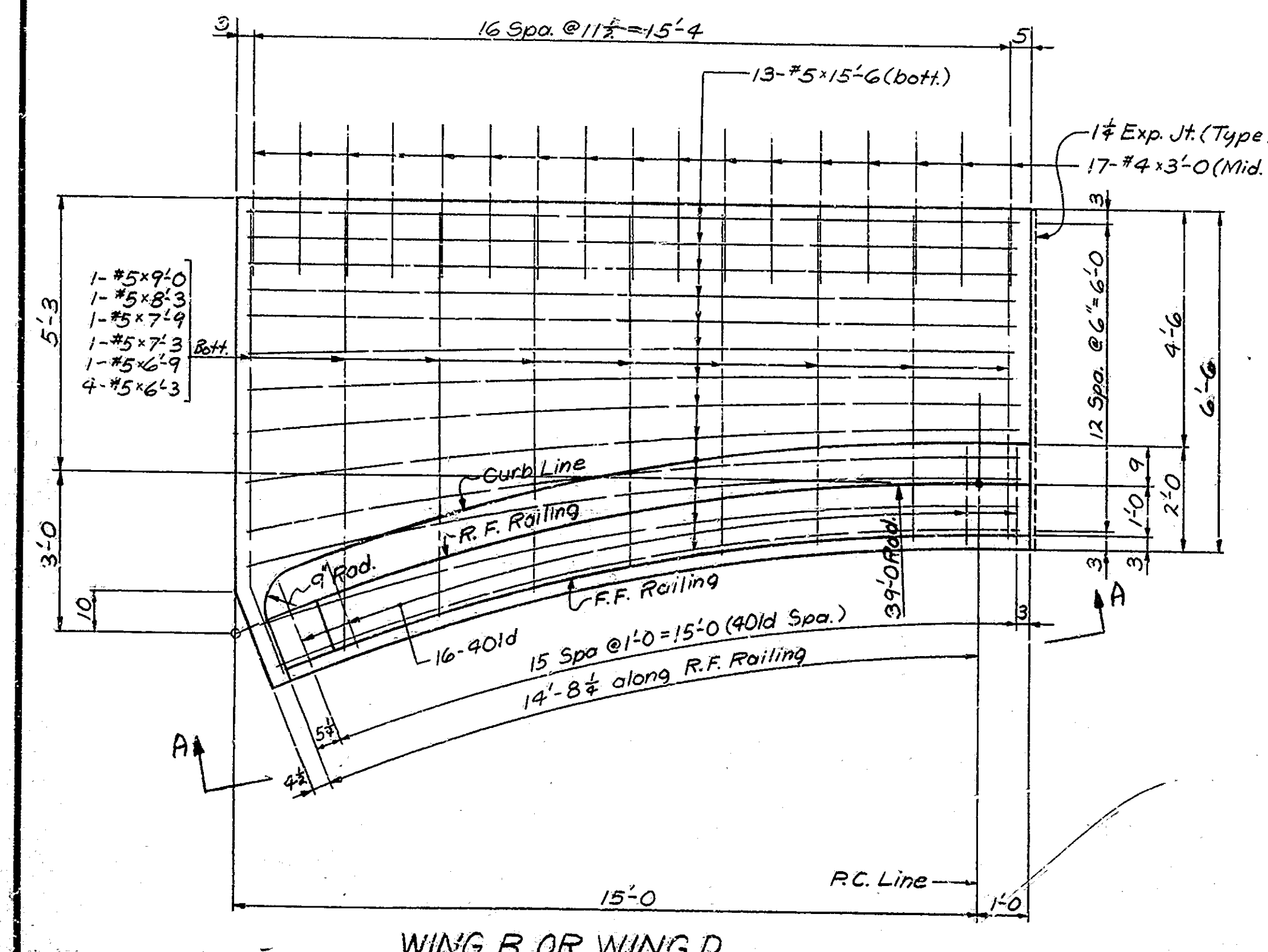
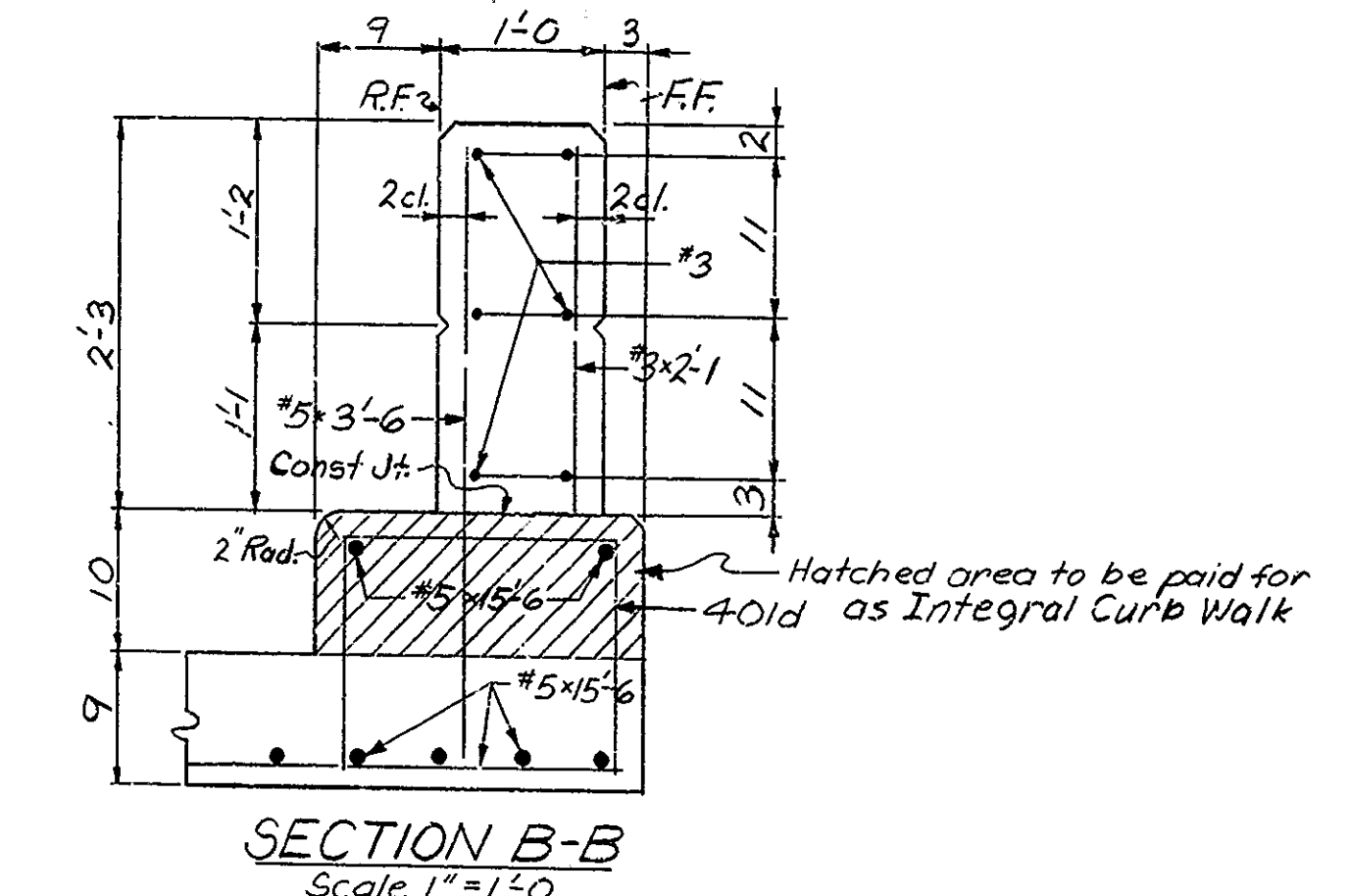
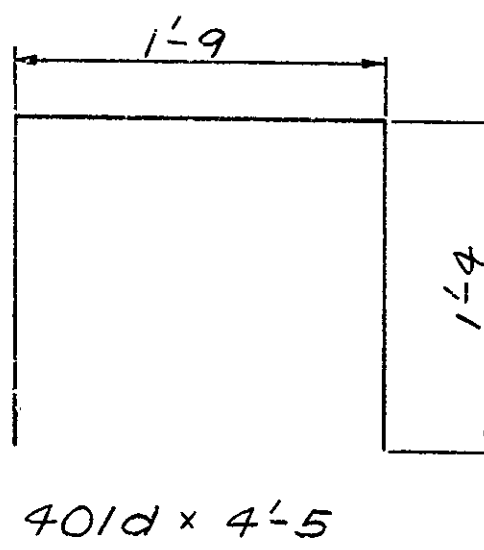
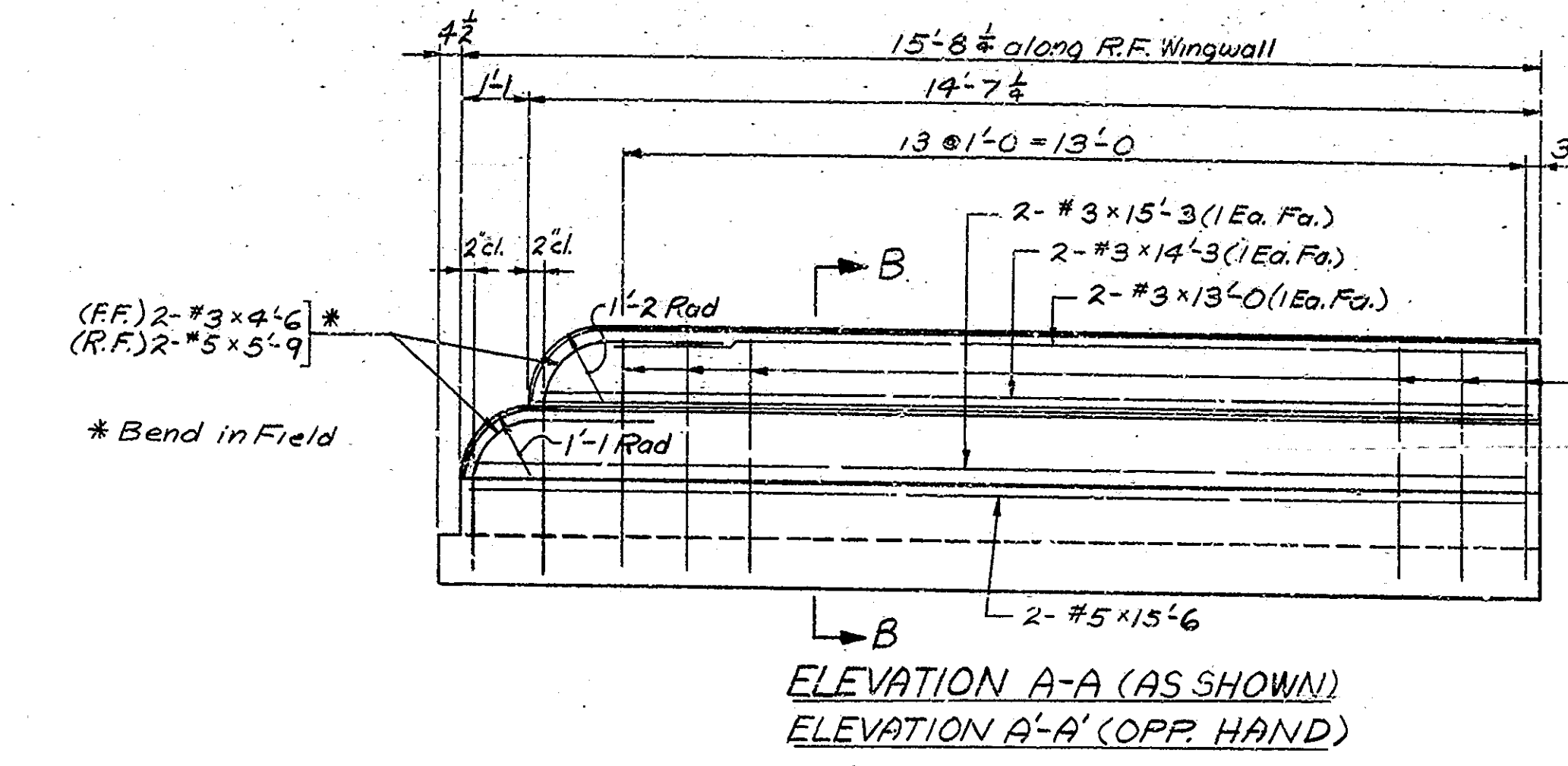
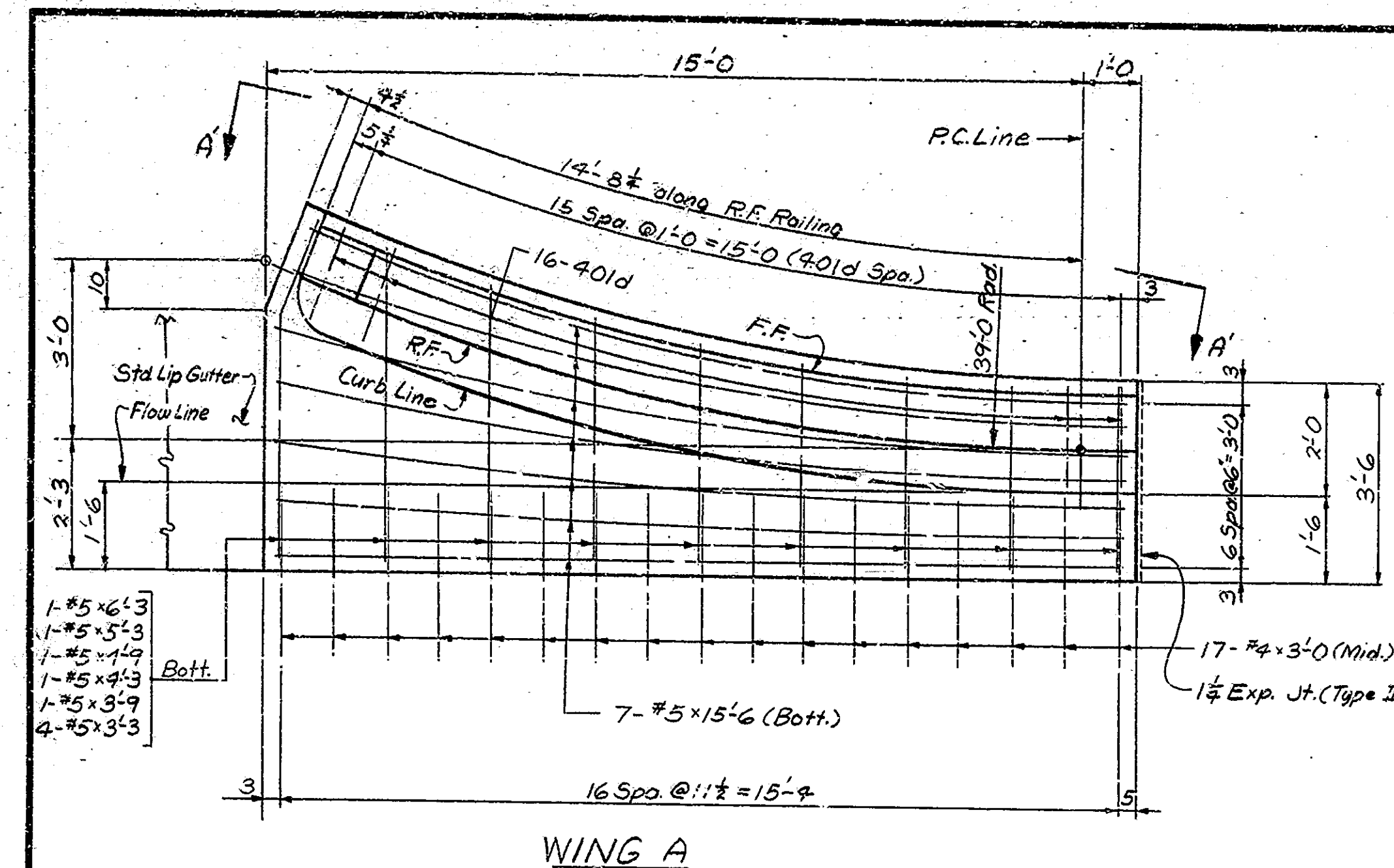
BRIDGE FILE: 52-P-1784A

BRIDGES OVER 20' SPAN				
PUB. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
4	IND.		1966	2
				TOTAL SHEETS
				30

BILL OF MATERIALS

REINFORCING STEEL			
SIZE AND MARK	NO OF BARS	LENGTH	WEIGHT (LBS)
#5	106	20'-6"	
#5	11	26'-6"	
#5	50	15'-6"	
#5	2	9'-0"	
#5	2	8'-3"	
#5	2	7'-9"	
#5	3	7'-3"	
#5	2	6'-9"	
#5	10	6'-3"	
#5	9	5'-9"	
#5	2	5'-3"	
#5	2	4'-9"	
#5	5	4'-3"	
#5	1	3'-9"	
#5	60	3'-3"	
Total #5			4130
401d	64	4'-5"	
#4	68	3'-0"	
Total #4			325
#3	8	15'-3"	
#3	8	13'-3"	
#3	8	13'-0"	
#3	8	12'-0"	
#3	56	2'-1"	
Total #3			185
Total Steel			4640

CONCRETE - Class F'	
Railing Concrete	5.0 Cu. Yd.
Integral Curb Walk	4.0 Cu. Yd.
Recurved Lip Gutter	1.00 Cu. Yd.
1" R.C.C. Pavement	44.5 Sq. Yd.
1 1/2" Exp. Jt. - Type II A	74 Lm. Ft.
3 Exp. Jt.	33 Lm. Ft.
Pavement Removal	390 Sq. Yd.



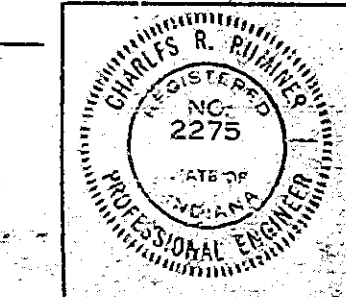
NOTES
For Reinforcing Bar Notes see Br. Std. C1.
For details of 20'-6" R.C. Br. Approach Pmnt. see Br. Std. M3.

WIDENED R.C. BRIDGE APPROACH
INDIANA STATE HIGHWAY COMMISSION

SCALE: - 1/4" = 1'-0" Unless Noted JULY 23, 1966

RECOMMENDED FOR APPROVAL: *C.R. Rimmer*

DRAWING: OF
PROJECT:
BRIDGE CONTRACT NO. 6888
BRIDGE FILE: 52-P-1784A

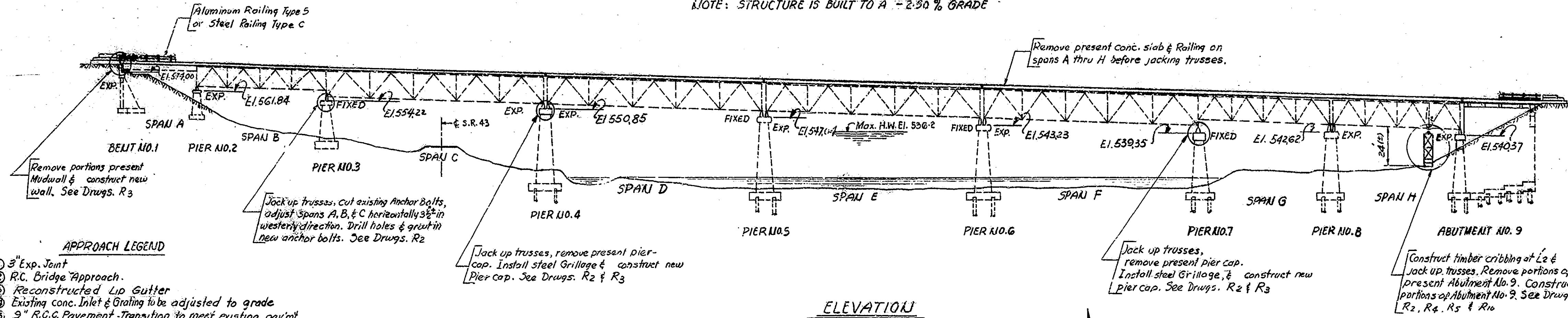


DESIGNED: CKD
DRAWN: JDR 6-30-65
TRACED: CKD

BRIDGES OVER 20' SPAN					
PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
NO.		NO.	YEAR	NO.	SHEETS
4	IND.		1966	3	30

UTILITIES
 POWER: Public Service Indiana.
 TELEPHONE: General Telephone Company.

NOTE: STRUCTURE IS BUILT TO A -2.50% GRADE

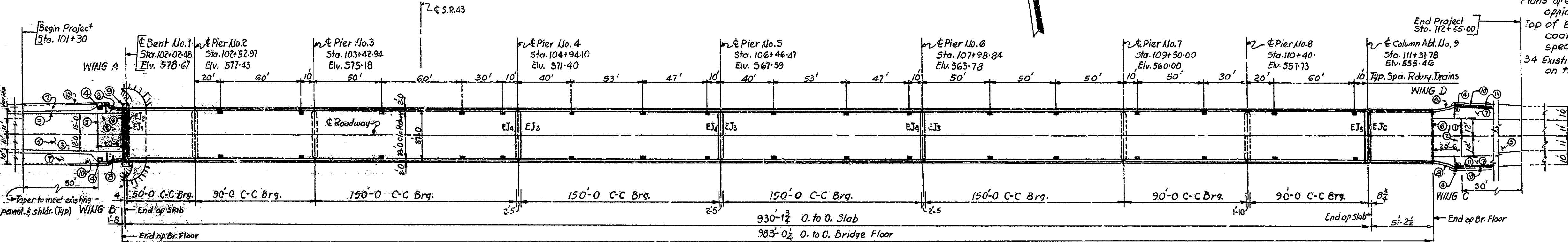


ELEVATION

GENERAL NOTES
 Reinf. steel covering shall be 1 1/2 inches in top and 1 inch min. in bottom of floor slabs; 1 1/2 inches for stirrups in T-beams, ties in tie beams and columns; and 2 inches in all other parts unless noted.
 Concrete in superstructure, including railing, bent caps, pier caps, & integral curb walk to be class F.
 Concrete in abutment columns to be class F.
 Waterproof back Abutment wall & Mullwall in accordance with the specifications.
 Bavel forms 1/4" under copings; and chamfer exposed edges 1" unless noted.

Where new work is to be fitted to old work, the contractor shall check all dimensions and conditions in the field and report any errors or discrepancies to the Engineer or assume responsibility for their correctness and the fit of new parts to old.
 All railings to be constructed perpendicular to grade.
 See special provisions for items included in this contract.
 Plans of existing structure are on file in the central office Bridge File 52-P-1784.
 Top of Bent Cap No. 1, Piers Nos. 4 & 7 & Abutment 9 to be coated with two coats of epoxy resin - see special provision.
 34 Existing Roadway Drains to be placed as shown on this Drawing.

- APPROACH LEGEND**
- 1 3" Exp. Joint
 - 2 R.C. Bridge Approach
 - 3 Reconstructed Lip Gutter
 - 4 Existing conc. Inlet & Grating to be adjusted to grade
 - 5 9" R.C. Pavement Transition to meet existing pav't.
 - 6 1 1/2" Expansion Joint Type II A
 - 7 Compacted Aggregate Shoulder
 - 8 Winged turn outs
 - 9 Bronze Bench Marker
 - 10 30' Straight Beam Guard Rail
 - 11 Concrete Curb

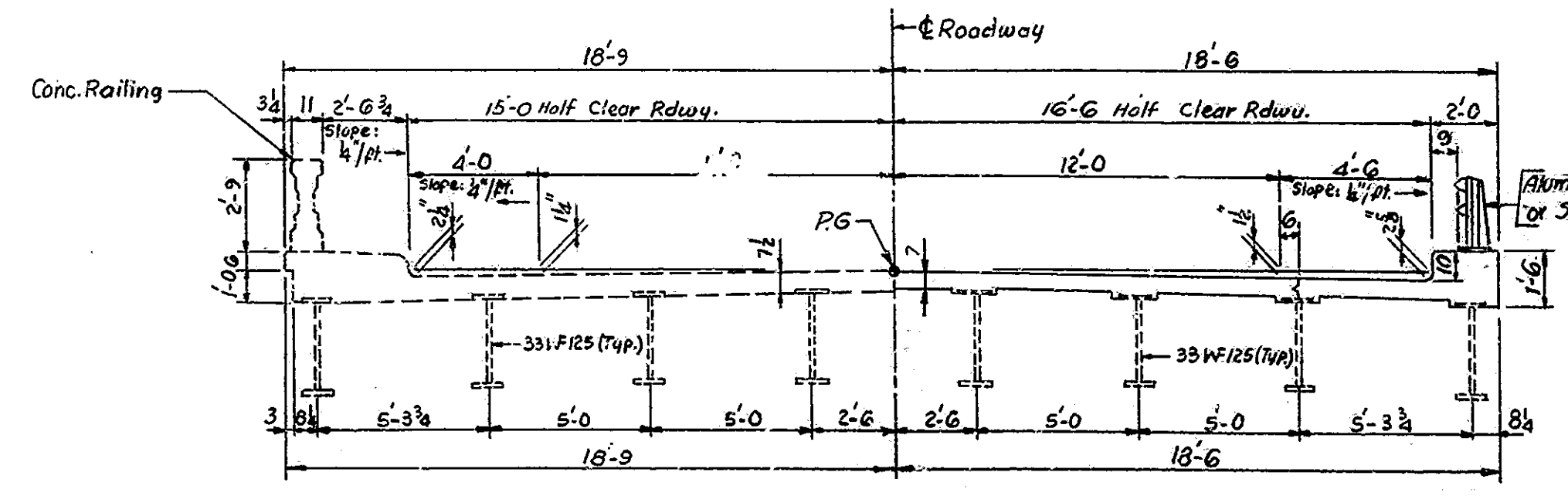


PLAN

Note: High tension power lines and suspended Telephone cable under span C.
 Note: Longitudinal Truss & Floor dimensions are parallel to Slope.

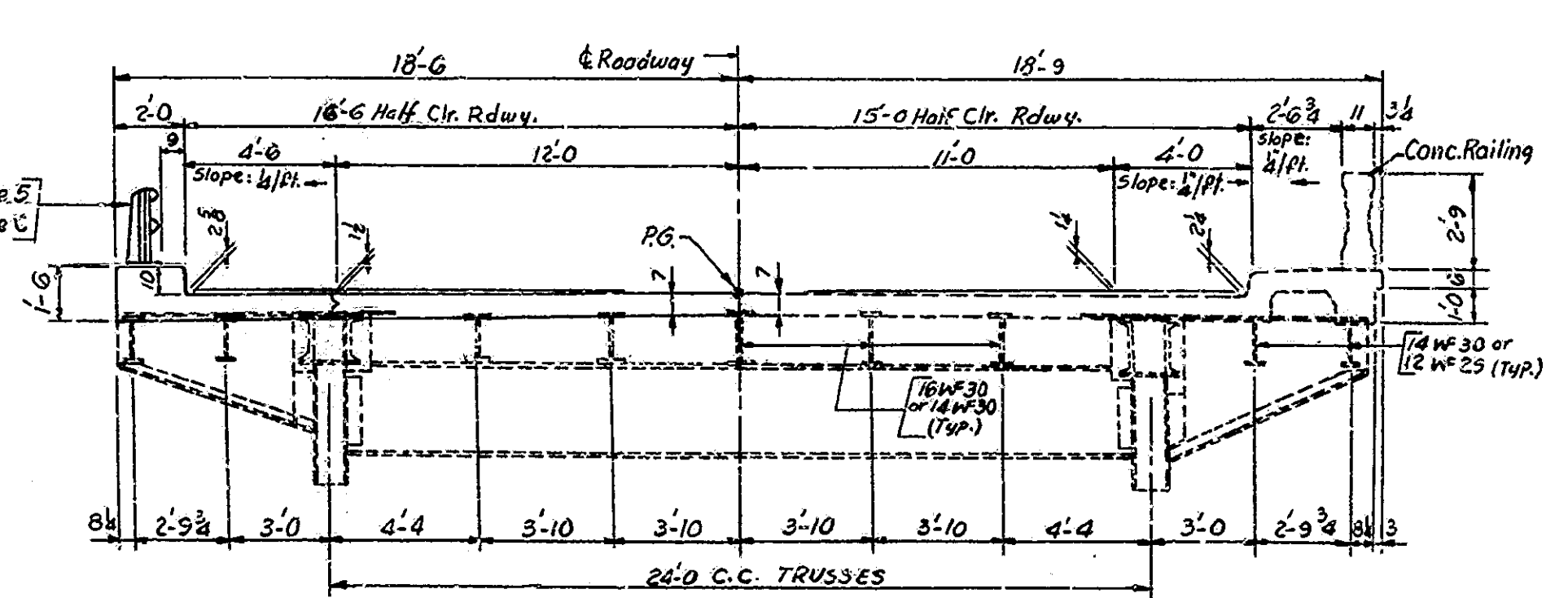
STANDARD DRAWINGS

Bridge Road	Purpose
C1	Reinf. bar notes, Bar bending details, Test bar samples.
J	1 1/2" Expansion Joint Type II A.
M1	Standard Pavement Offsets.
M2	3" Expansion Joints (R. 6-3-37)
R1C	Aluminum Railing Type 5
R1E	Aluminum Railing Details
R1F	Steel Railing - Type C.
E11-IR	Standard Pavement Section
ME	Standard Lip Gutter, Concrete Curb
Sh 1	Standard Defour Signs.
Sh 2	Standard Defour Signs.
Sh 3	Standard Defour Signs.
Sh 3A	Standard Defour Signs.



HALF SECTIONS I TO & RDWY (SPAN A)
 SHOWING EXISTING STRUCTURE SHOWING PROPOSED STRUCTURE

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

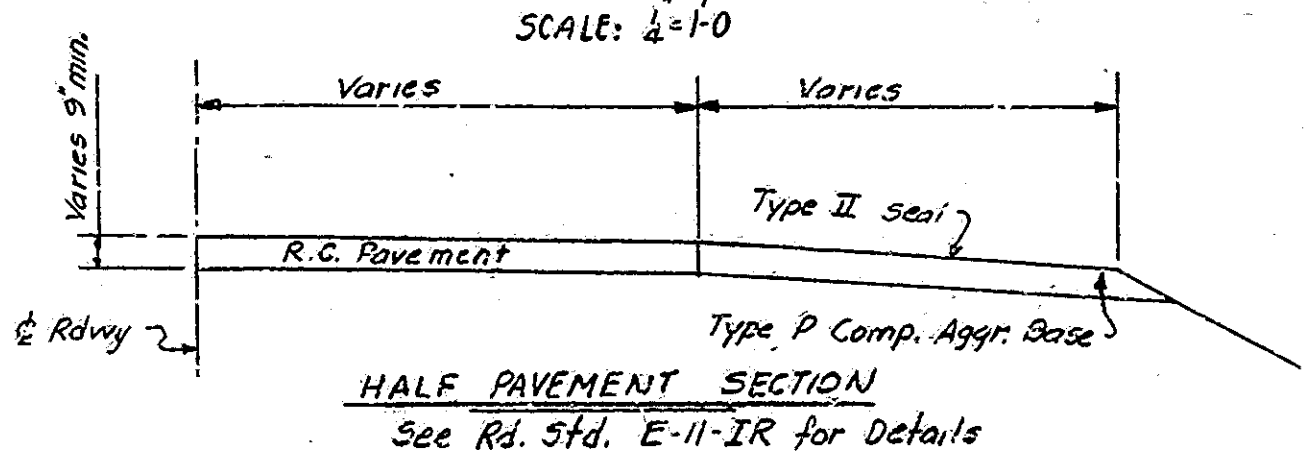


HALF SECTIONS I TO & RDWY (SPANS B THRU H)
 SHOWING PROPOSED STRUCTURE SHOWING EXISTING STRUCTURE

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

GENERAL PROCEDURE

1. Remove present concrete floor slab, portions of Bent No. 1, Abutment No. 9 and sections of Approach pavement.
2. After the floor slab has been removed, jack up trusses at points indicated. Adjust spans A, B, & C; make repairs to Bent No. 1, Pier Nos. 4 & 7 and abutment No. 9 as shown on the detail plans.
3. Install new steel expansion joints, reset roadway drains, drainage inlet & reconstruct concrete floor slab and approach pavement.
4. After these repairs have been completed, this structure need not be posted.



HALF PAVEMENT SECTION
 See Rd. 5th, E-11-IR for Details

GENERAL PLAN

REPAIRS TO STEEL BEAM & STEEL TRUSS BRIDGE
 8 SPANS: 1 @ 50'-0", 1 @ 90'-0", 4 @ 150'-0", 2 @ 90'-0"
 2, 3" CURBS; 33'-0" RDWY.; 5' SKW.; SQUARE
 OVER WABASH RIVER AND ST. RD. 43 ON U.S. 52

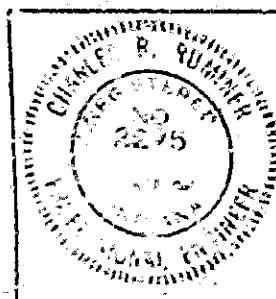
INDIANA STATE HIGHWAY COMMISSION

TIPPECANOE COUNTY
 SCALE: 1" = 40'-0", UNLESS NOTED
 JULY 19, 1965

RECOMMENDED FOR APPROVAL:

C. R. ...
 CHIEF ENGINEER OF THE DISTRICT

DRAWING: R1 OF 14
 PROJECT: STA. @ PIERS: 106+4647
 BRIDGE CONTRACT NO. 6838
 BRIDGE FILE: 52-P-1784 A

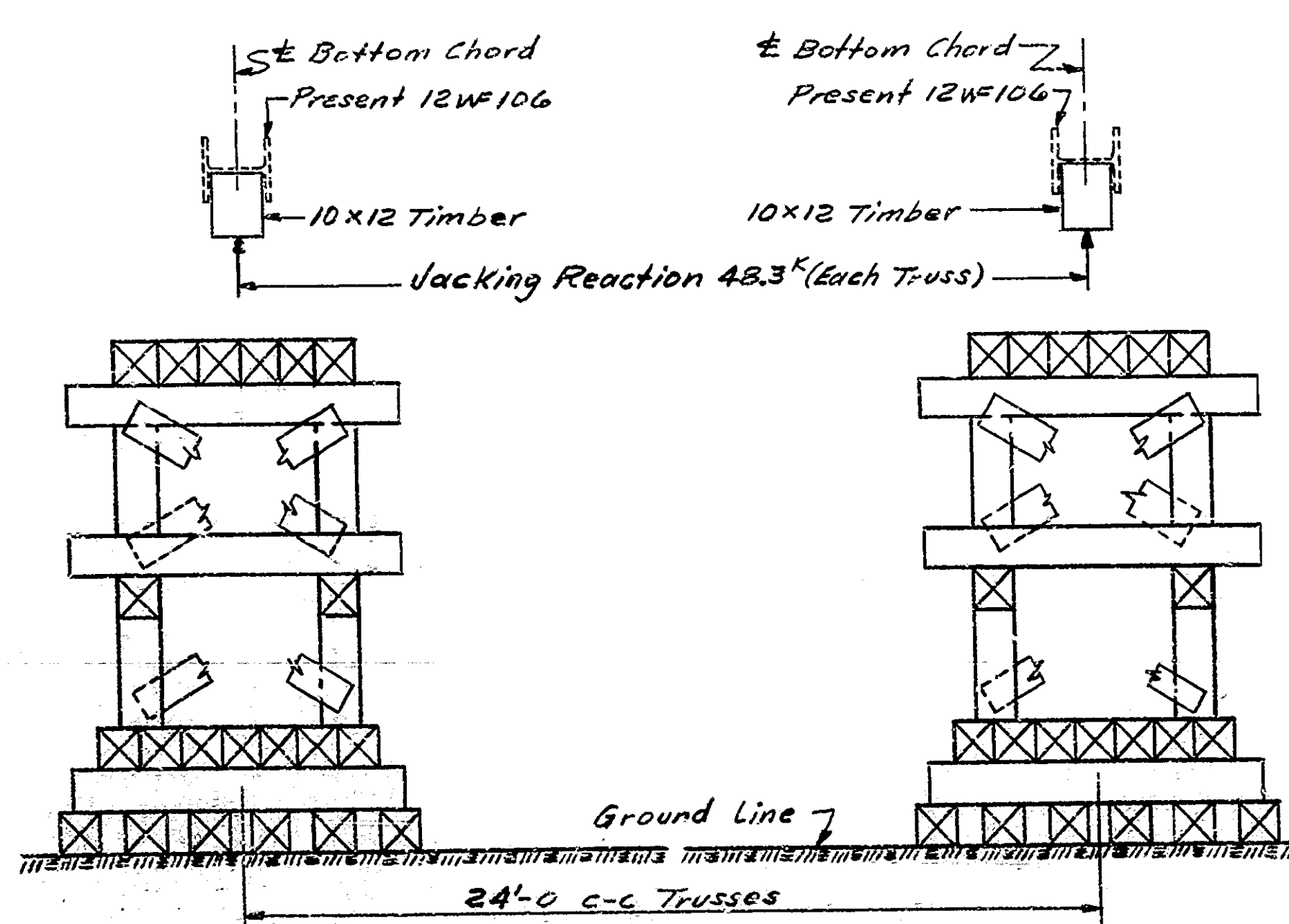
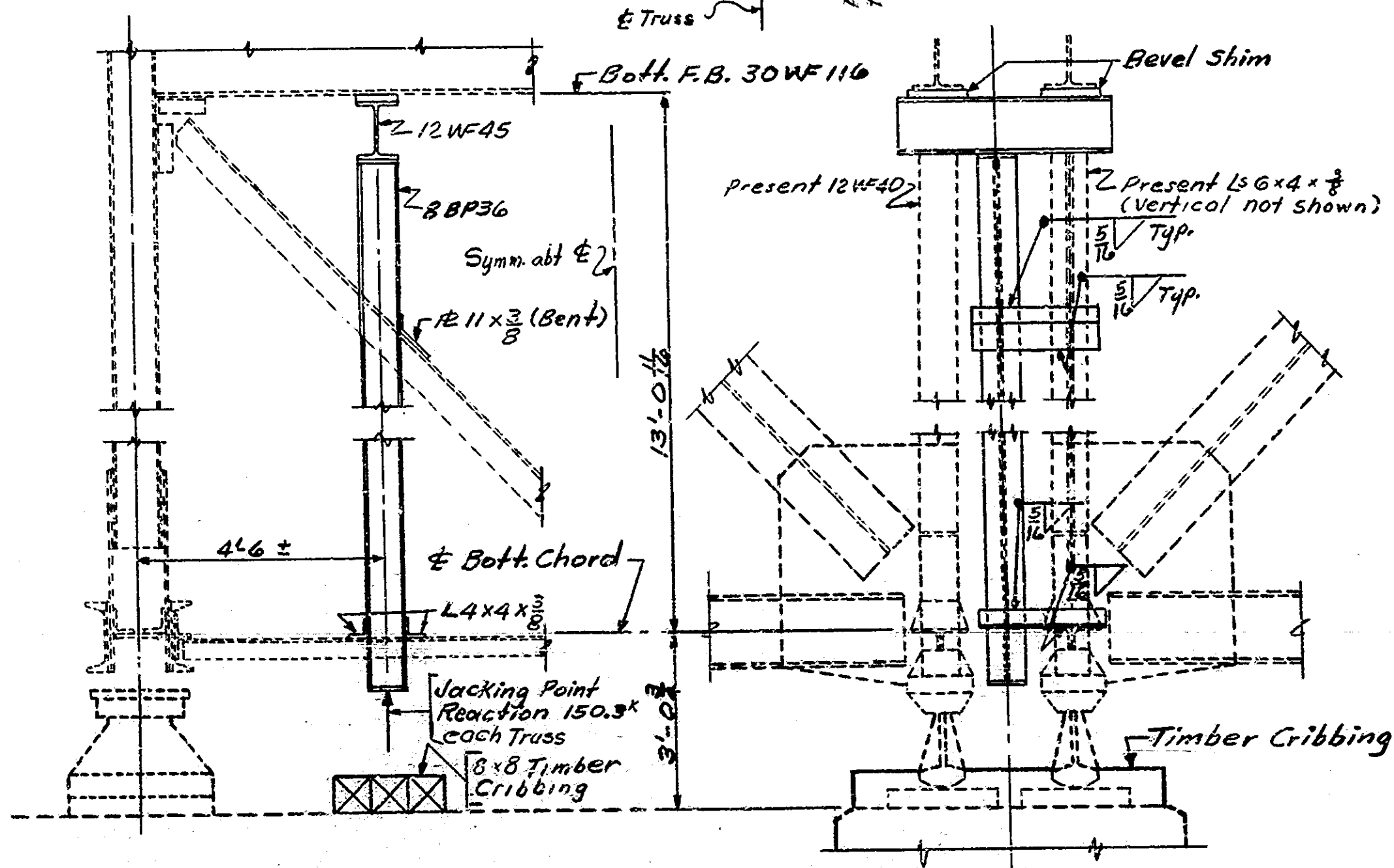
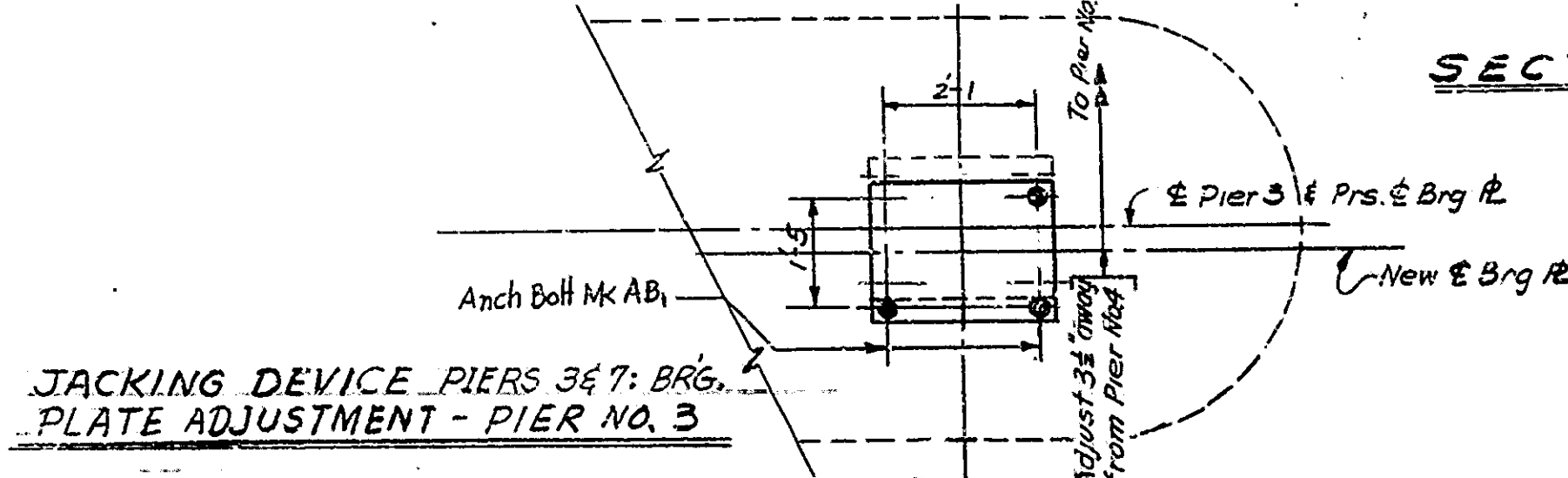
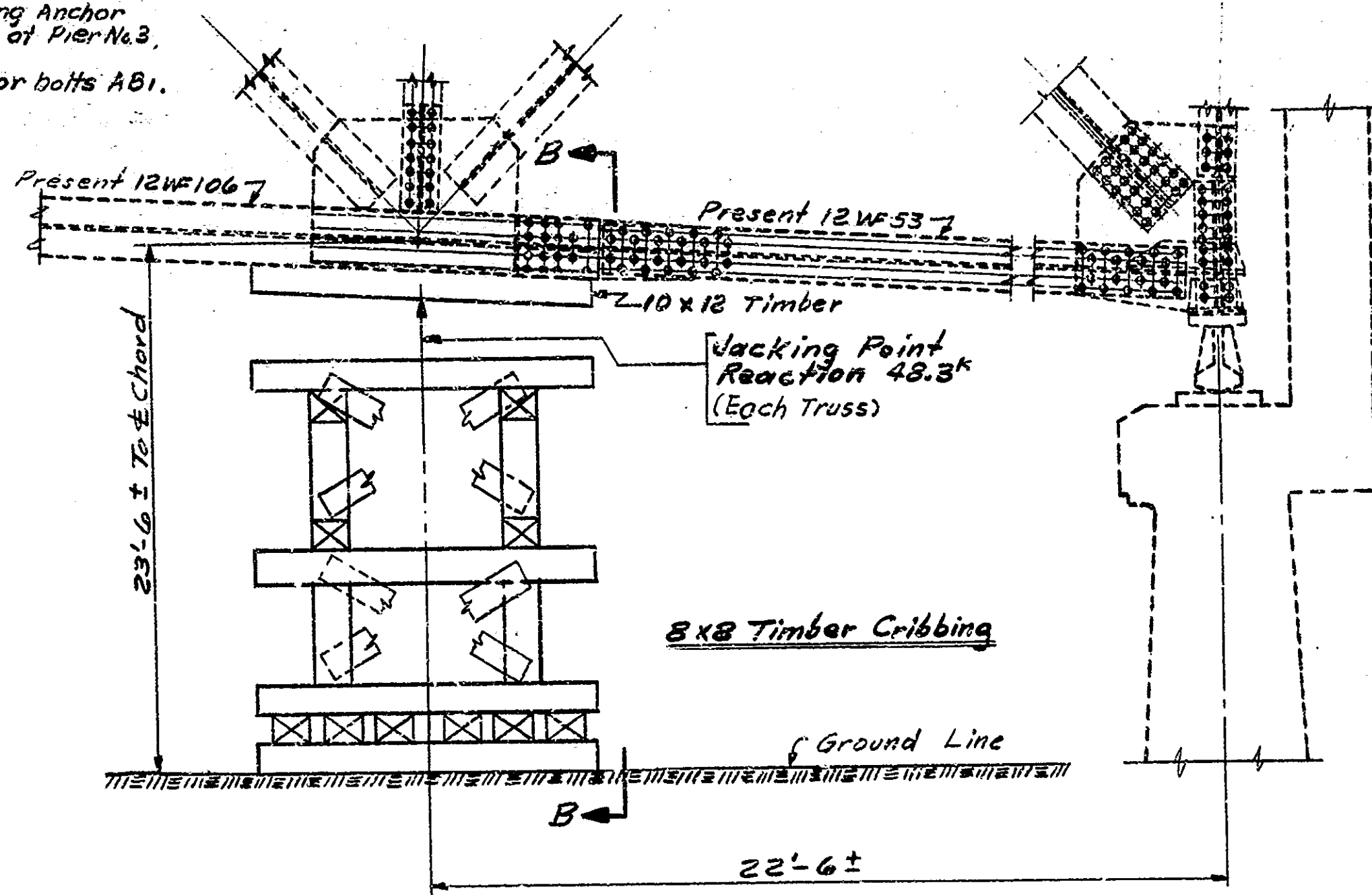
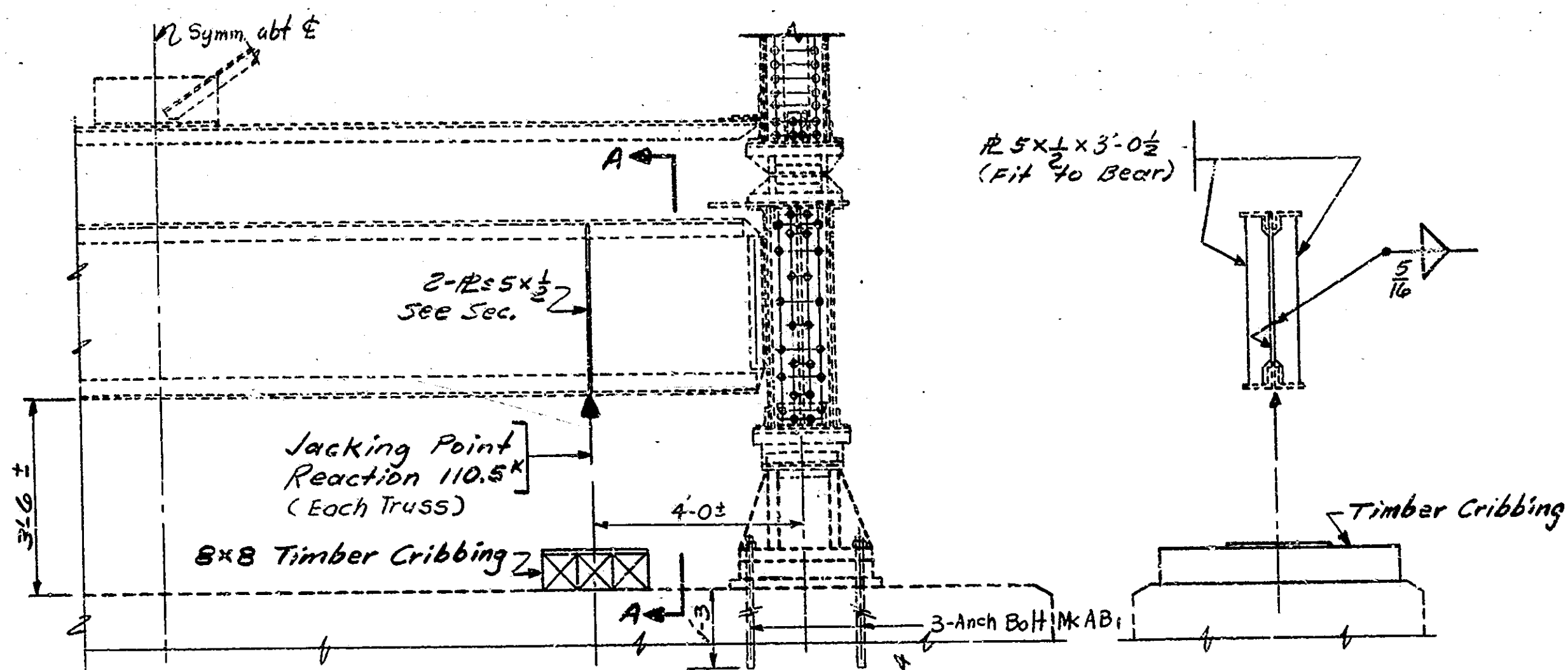


DESIGNED: CKD
 DRAWN: US 8-4-65 CKD, R.L.D. 7.1.65
 TRACED: CKD

BRIDGES OVER 20' SPAN					
PUB. ROAD RES. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	4	30

GENERAL PROCEDURE FOR ADJUSTING SPANS A, B & C AT PIER 3.

After Trusses are jacked up at Pier No. 3, Cut 6 existing Anchor Bolts, and adjust Spans A, B & C and fixed bearings of Pier No. 3, 3 1/2 inches away from Pier No. 4 as indicated below. Drill 1 1/2" holes in pier cap and grout in 6 new Anchor bolts AB1.



NOTES:-
 All timber and steel sections indicated on this drawing are suggested for use. Alternate schemes may be used subject to the approval of the Engineer.
 Trusses at each jacking point are to be jacked simultaneously and in such a manner as to permit no more than 1/16 inch differential elevation between the two trusses.

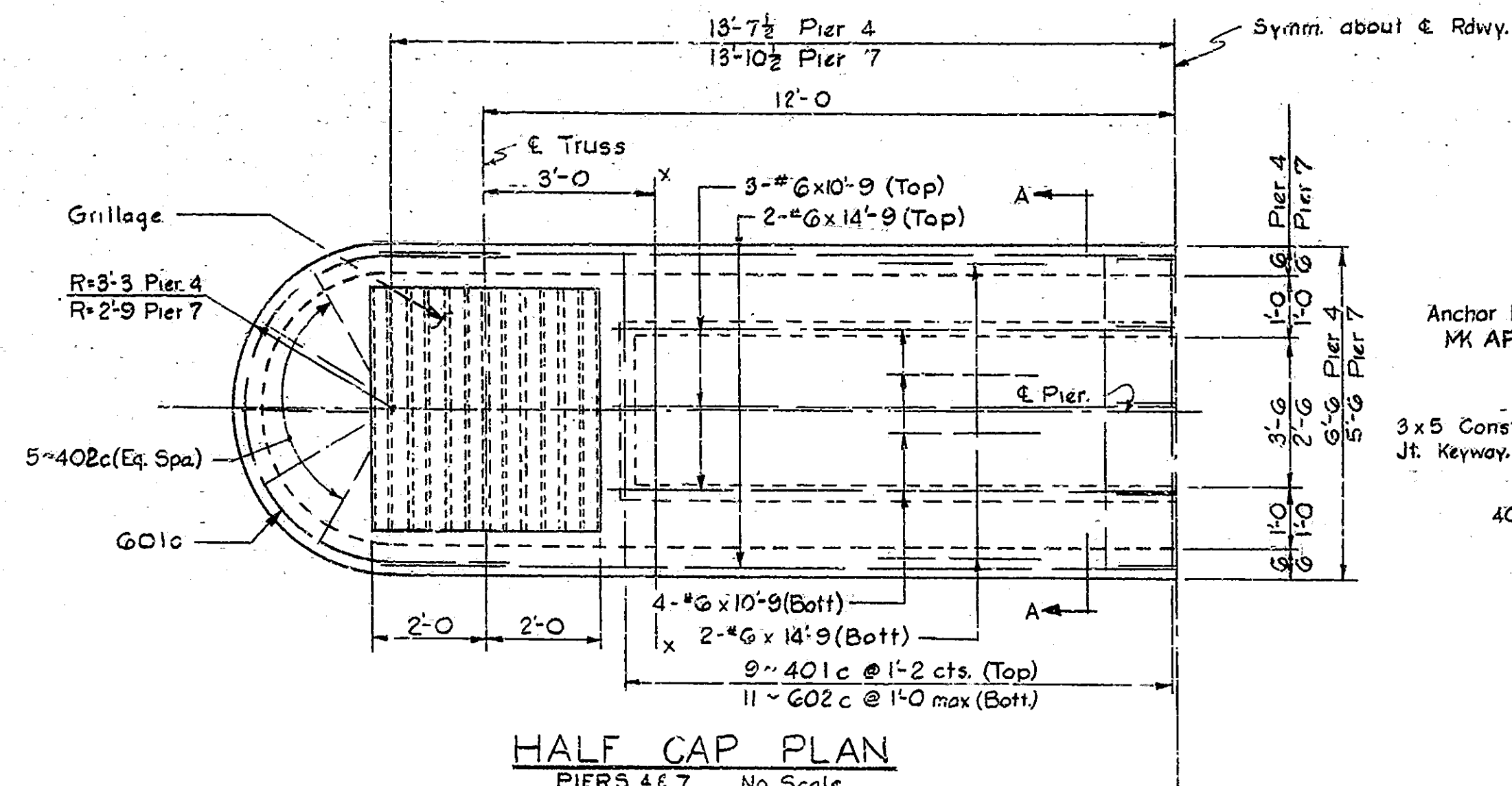
Field Holes Drilled (Masonry) 6 Each

JACKING SCHEMES
INDIANA STATE HIGHWAY COMMISSION

SCALE: 1/2" = 1'-0"
 JULY 23, 1965
 RECOMMENDED FOR APPROVAL: *C. R. Rummel*
 DRAWING: R2 OF 14
 PROJECT:
 BRIDGE CONTRACT NO. 6888
 BRIDGE FILE: 52-P-1784 A

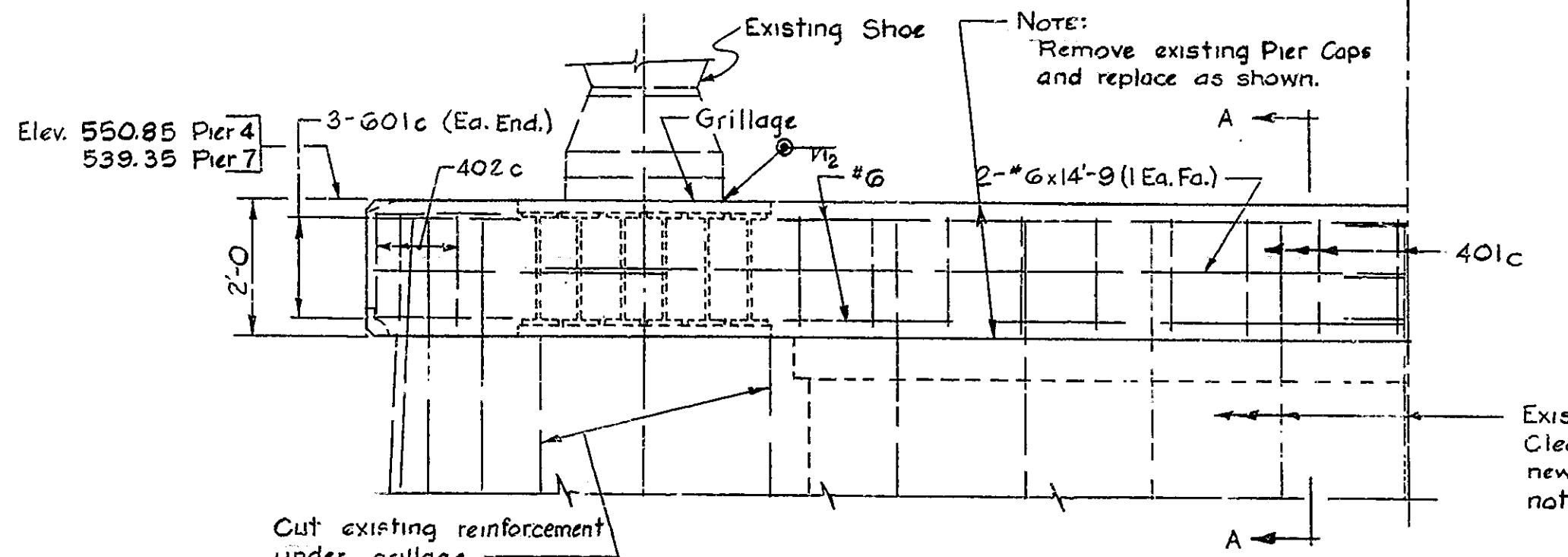
DESIGNED: G.E.S. 2-1-65 K.D. E.L.D. 7-12-65
 DRAWN: G.E.S. 2-1-65 K.D. E.L.D. 7-12-65
 TRACED: CKD

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	5	30

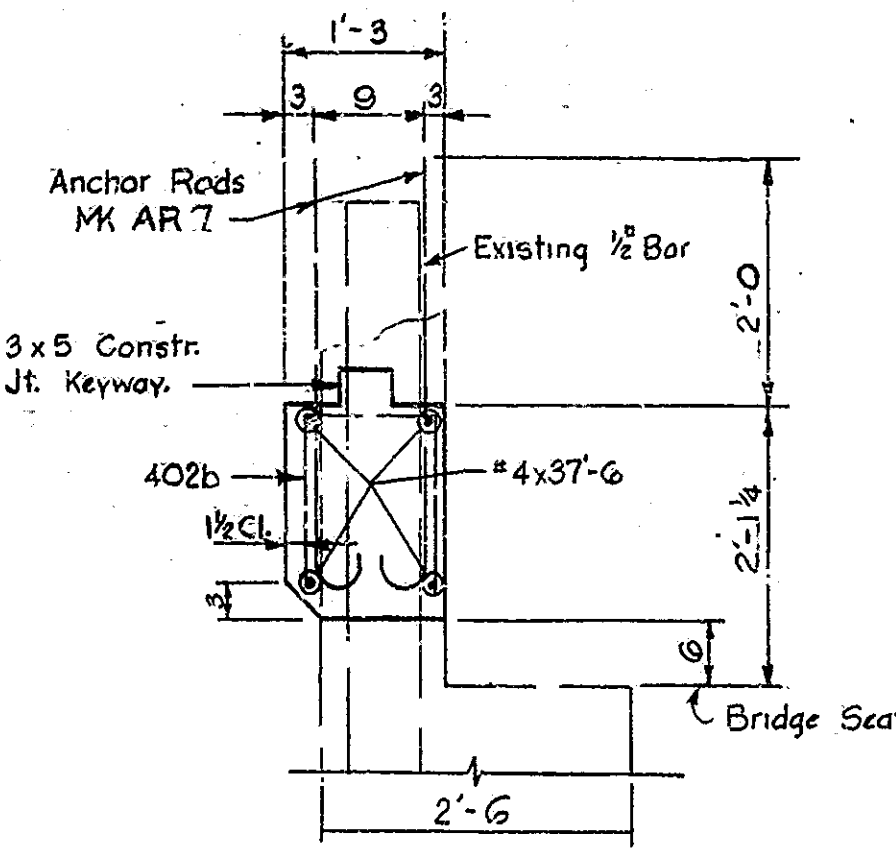


HALF CAP PLAN
PIERS 4 & 7 No Scale

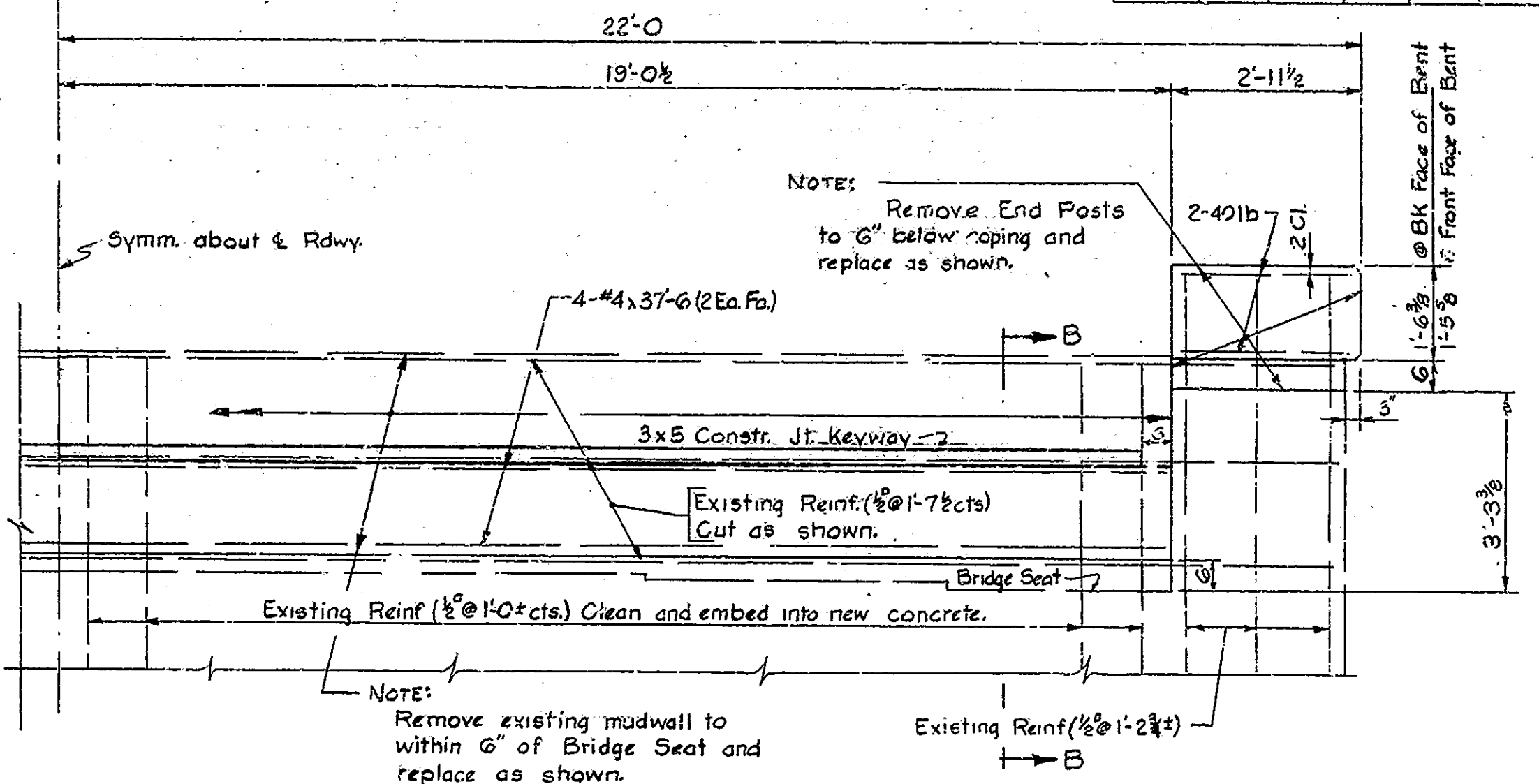
GENERAL PROCEDURE:
Jack up trusses and remove portions of pier cap under the truss bearings to line X-X. Install steel grillage, remove jacks, weld shoe to grillage, remove remaining portion of pier cap and construct new cap as shown.



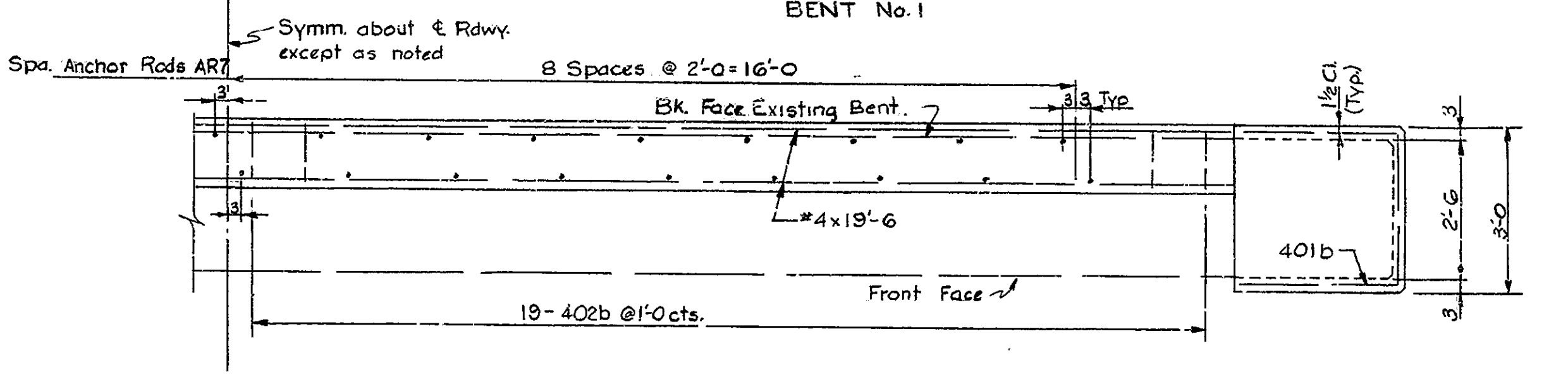
HALF CAP ELEVATION
PIERS 4 & 7 No Scale



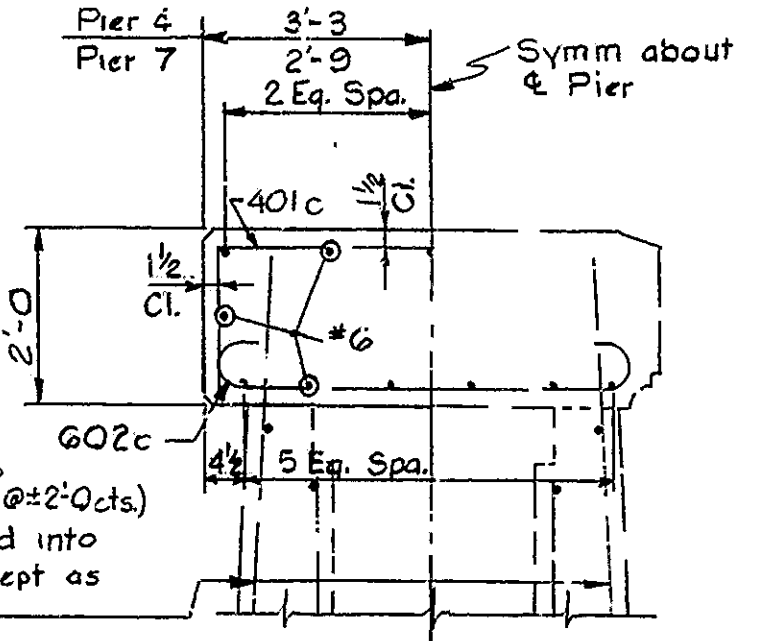
SECTION B-B
Scale 3/4\" = 1'-0"



HALF CAP ELEVATION
BENT No. 1



HALF CAP PLAN
BENT No. 1



SECTION A-A

BENT 1 REINFORCING STEEL

Size & Mark	No. of Bars	Length	Weight Lbs.
401b	4	7'-9"	
402b	38	3'-6"	
#4	4	37'-6"	
Total #4			210
Total Reinf.			210

CONCRETE:
Class F Concrete 42 Cu Yd

MISCELLANEOUS
Anchor Rods MK AR 7 34 Each

PIER 4 REINFORCING STEEL

Size & Mark	No. of Bars	Length	Weight Lbs.
601c	6	14'-0"	
602c	21	7'-6"	
#6	12	14'-9"	
#6	14	10'-9"	
Total #6			854
401c	17	9'-9"	
402c	10	4'-3"	
Total #4			139
Total Reinf.			993

CONCRETE
Class F Concrete 15.6 Cu Yd

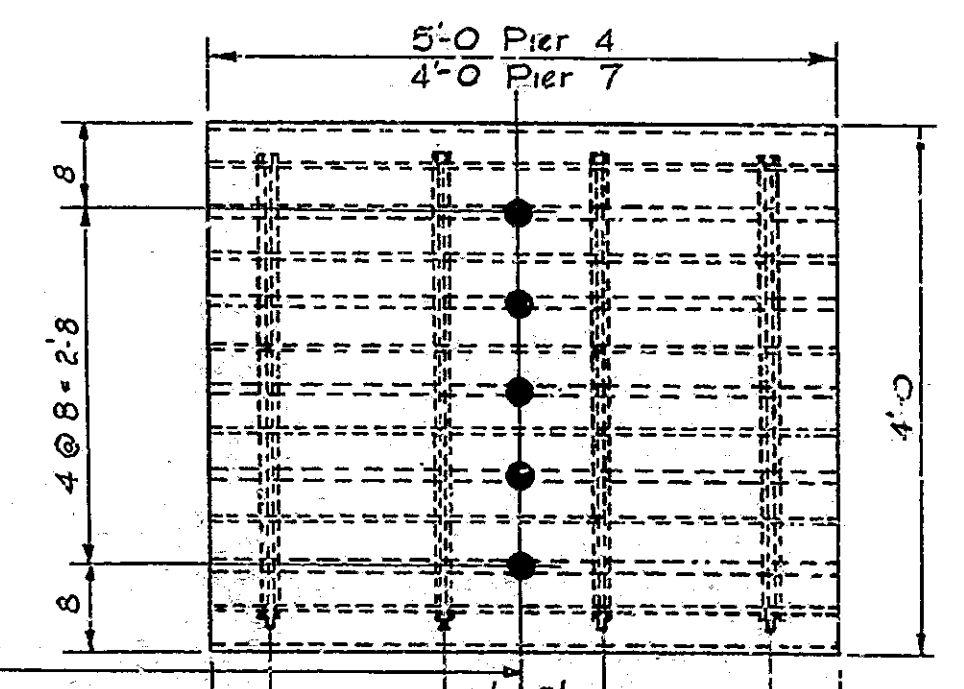
MISCELLANEOUS
Structural Steel (Grillage) 11.674 #

PIER 7 REINFORCING STEEL

Size & Mark	No. of Bars	Length	Weight Lbs.
601c	6	12'-6"	
602c	21	6'-6"	
#6	12	14'-9"	
#6	14	10'-9"	
Total #6			810
401c	17	8'-9"	
402c	10	4'-3"	
Total #4			129
Total Reinf.			939

CONCRETE
Class F Concrete 13.1 Cu Yd

MISCELLANEOUS
Structural Steel (Grillage) 9.942 #



GRILLAGE DETAILS
No Scale
2 Each Required at Pier 4 & 7

Mark	A	B	Length
401b	2'-6"	2'-9"	7'-9"
401c	1'-9"	6'-3"	9'-9"
401c	1'-9"	5'-3"	8'-9"
402b	1'-3"	1'-0"	3'-6"

Mark	A	R	B	Length
601c	2'-2"	3'-1"	9'-8"	14'-0"
601c	2'-2 1/2"	2'-7"	8'-1"	12'-6"

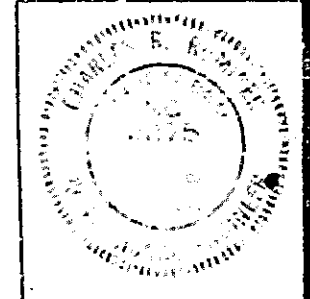
NOTES:
For Reinforcing Bar notes see Br. Std. C1.

BENT NO. 1, PIERS NO. 4 & 7 REPAIRS
INDIANA STATE HIGHWAY COMMISSION

SCALE: 1/2" = 1'-0" Unless Noted
JULY 23, 1965

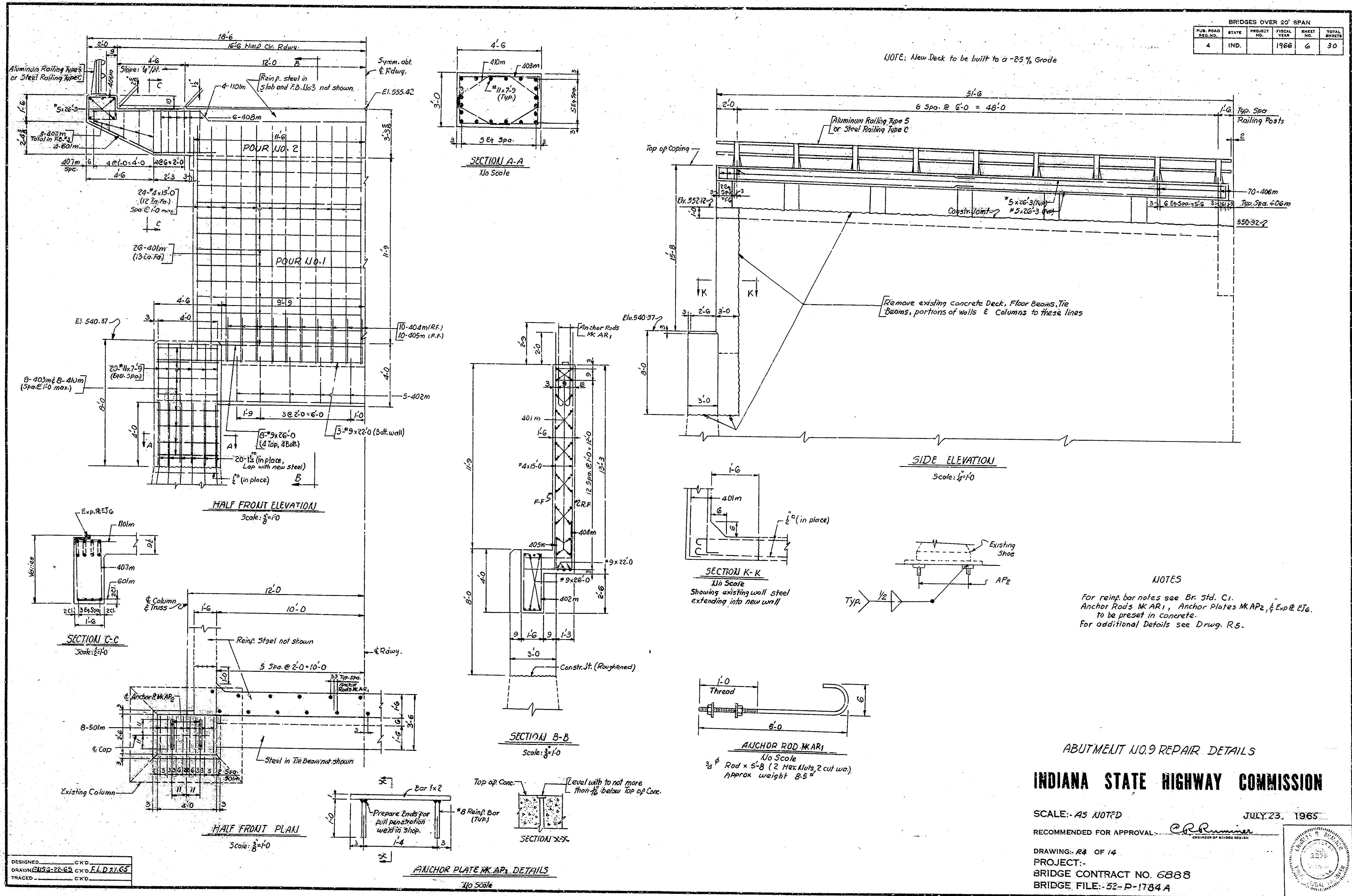
RECOMMENDED FOR APPROVAL: [Signature]

DRAWING: R3 OF 14
PROJECT:
BRIDGE CONTRACT NO. 6888
BRIDGE FILE: 52-P-1784 A

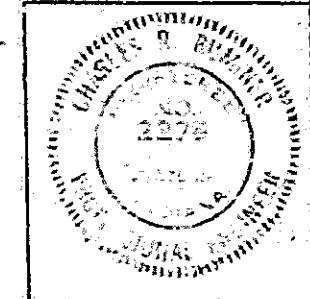


DESIGNED: CKD
DRAWN: W.S. G/17/65 CKD E.L.D. Z.L. 65
TRACED: CKD

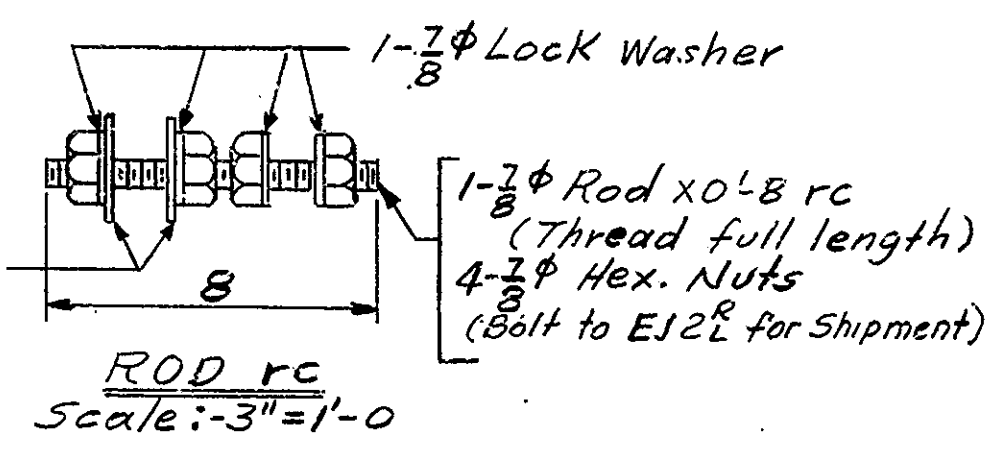
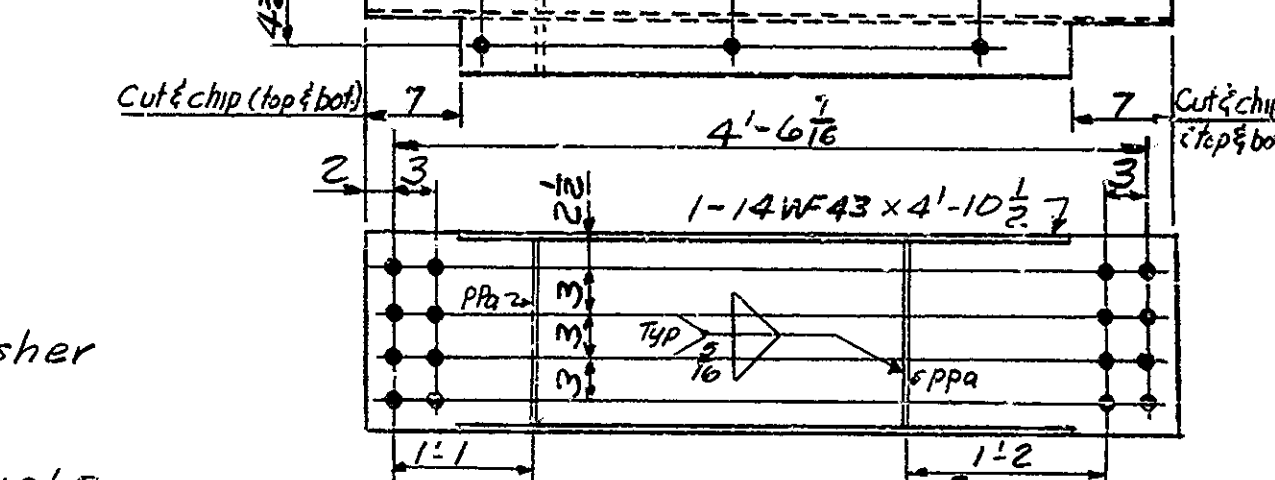
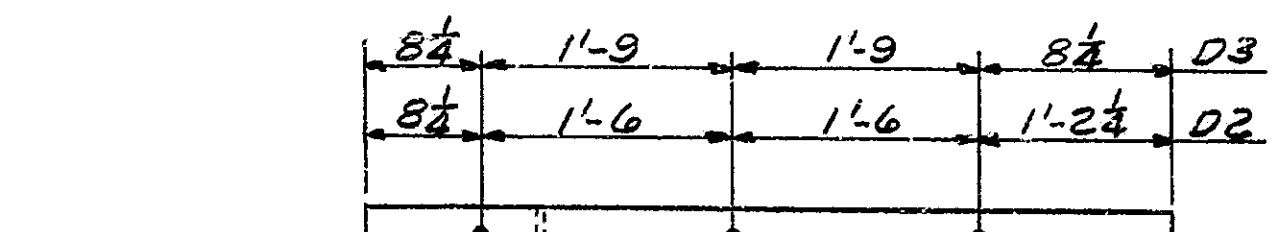
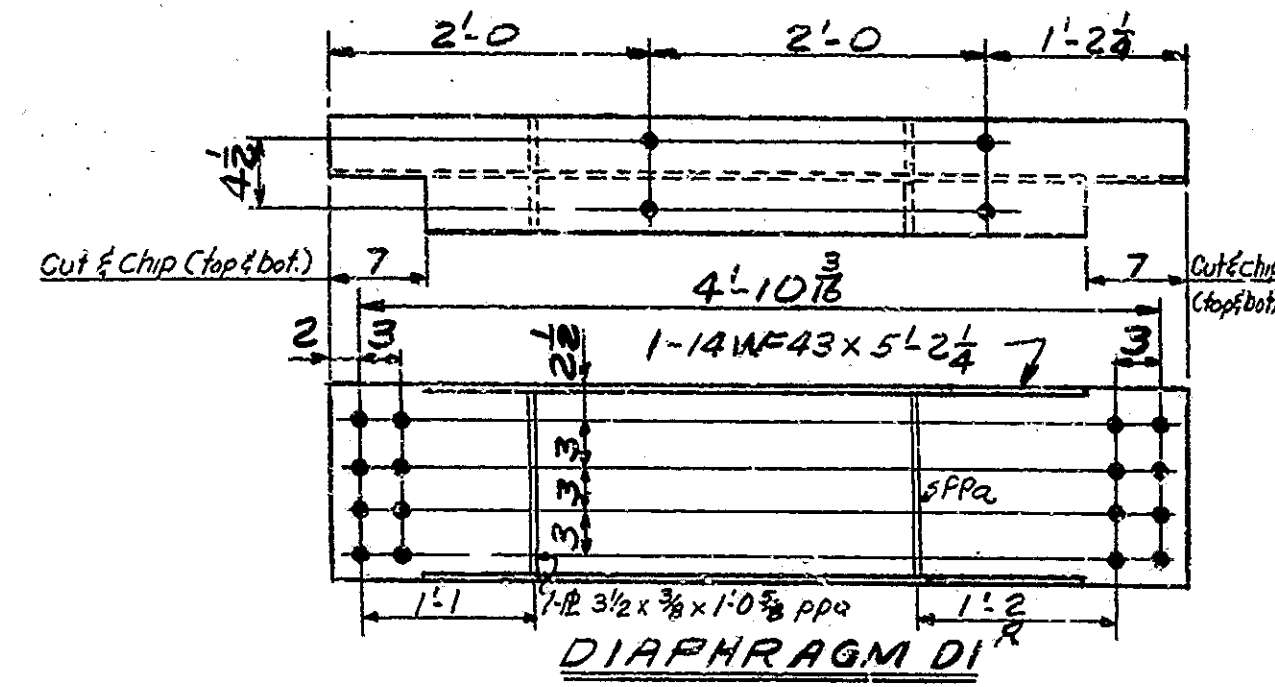
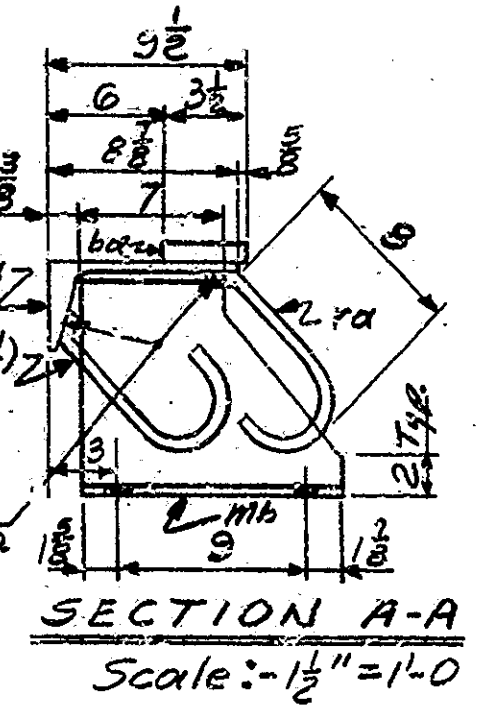
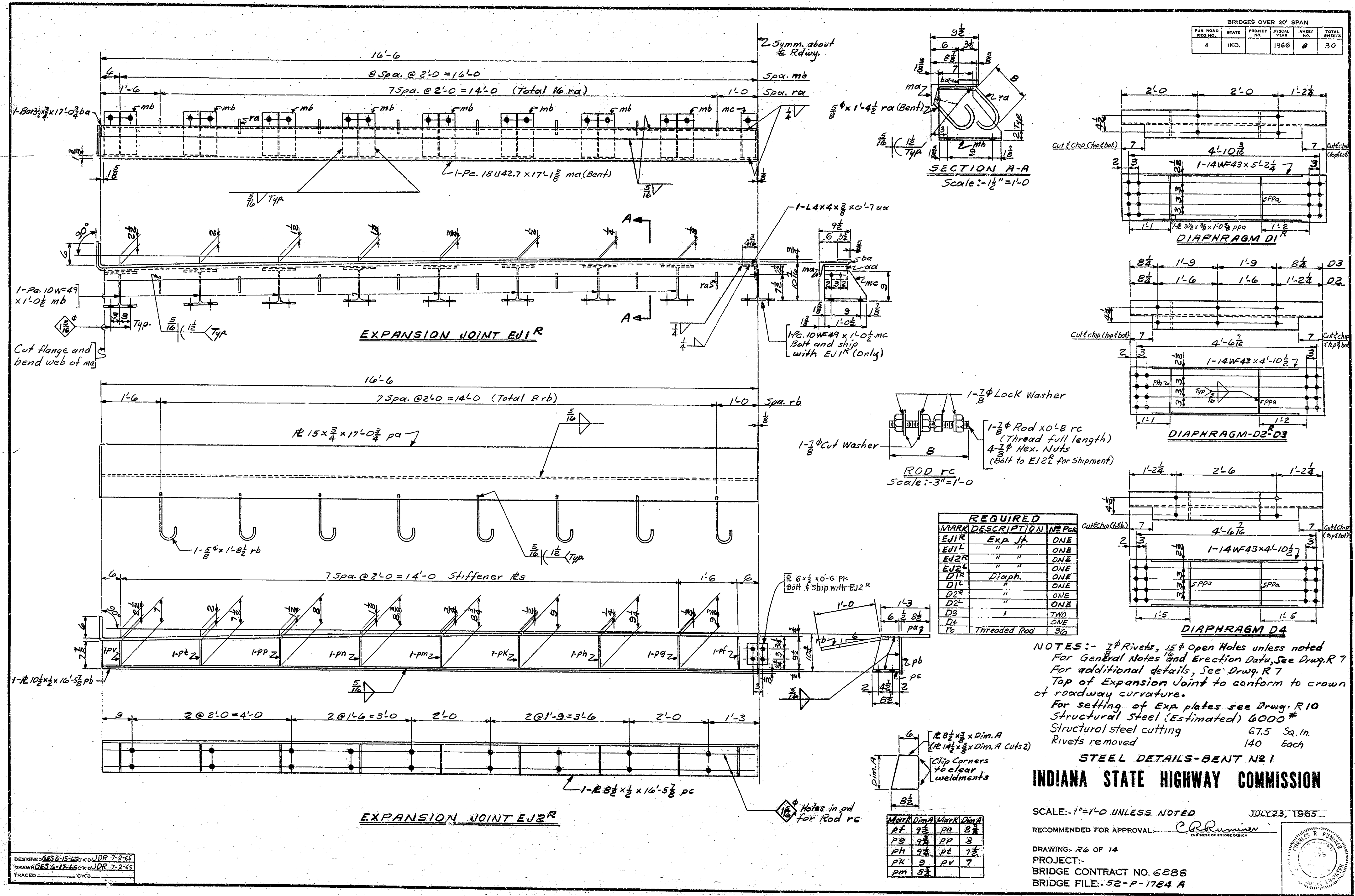
BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	6	30



DESIGNED: CKD
 DRAWN: CWS-22-62 CKD FLD 7/1/65
 TRACED: CKD



BRIDGE OVER 20' SPAN				
PUB. ROAD	STATE	PROJECT	FISCAL	TOTAL
NO.	NO.	NO.	YEAR	SHEETS
4	IND.		1966	8
				30



REQUIRED		
MARK	DESCRIPTION	NO. Pcs
EJ1R	Exp. Jt	ONE
EJ1L	"	ONE
EJ2R	"	ONE
EJ2L	"	ONE
D1R	Diaph.	ONE
D1L	"	ONE
D2R	"	ONE
D2L	"	ONE
D3	"	ONE
D4	"	ONE
Tc	Threaded Rod	30

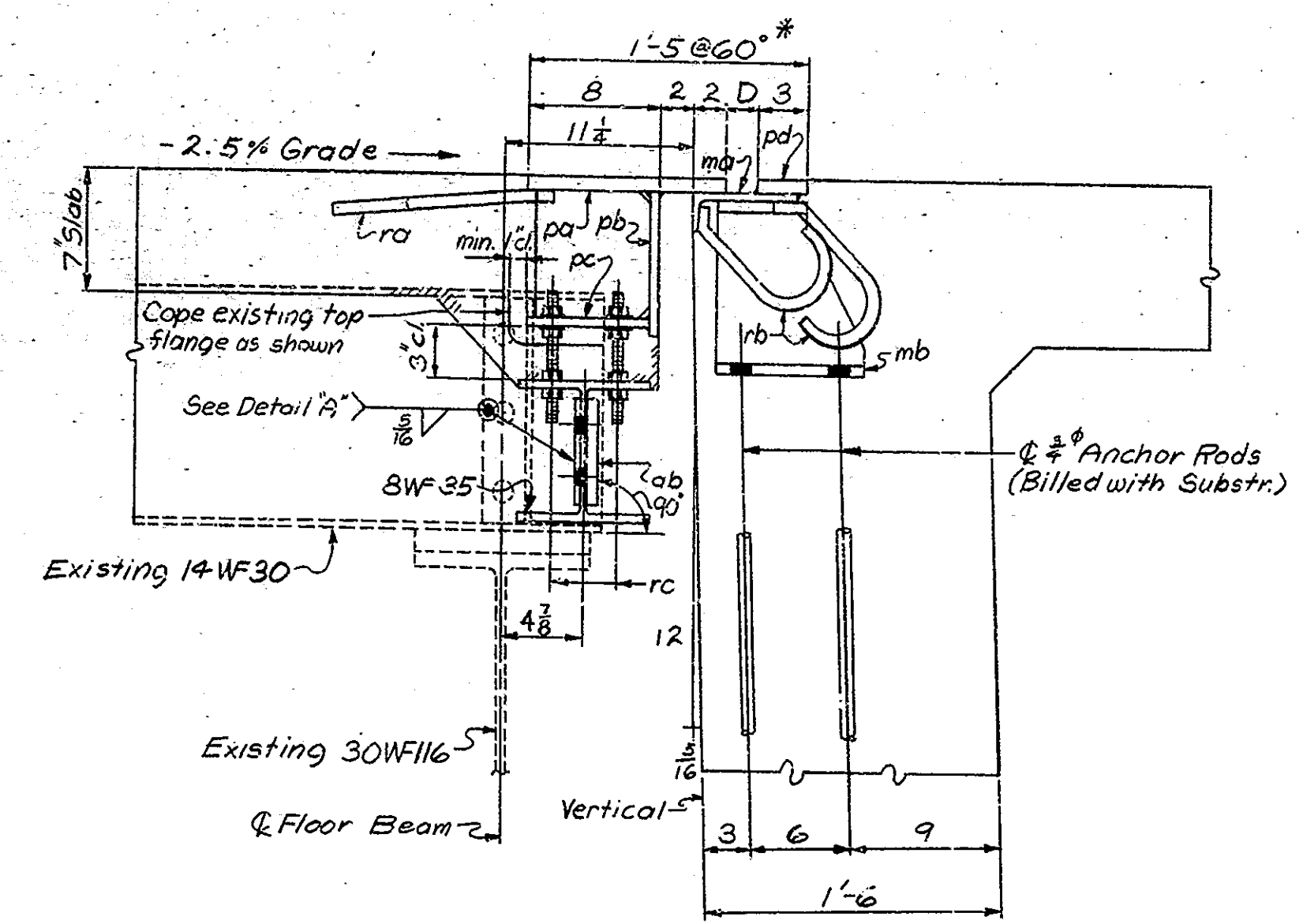
NOTES:- 7/8" Rivets, 15# Open Holes unless noted
 For General Notes and Erection Data, See Drwg. R 7
 For additional details, See Drwg. R 7
 Top of Expansion Joint to conform to crown of roadway curvature.
 For setting of Exp. plates see Drwg. R 10
 Structural Steel (Estimated) 6000#
 Structural steel cutting 67.5 Sq. In.
 Rivets removed 140 Each

STEEL DETAILS-BENT N2 1
INDIANA STATE HIGHWAY COMMISSION
 SCALE: 1" = 1'-0" UNLESS NOTED JULY 23, 1965
 RECOMMENDED FOR APPROVAL: *C.R. Runniner*
 DRAWING: R6 OF 14
 PROJECT: BRIDGE CONTRACT NO. 6888
 BRIDGE FILE: 52-P-1784 A

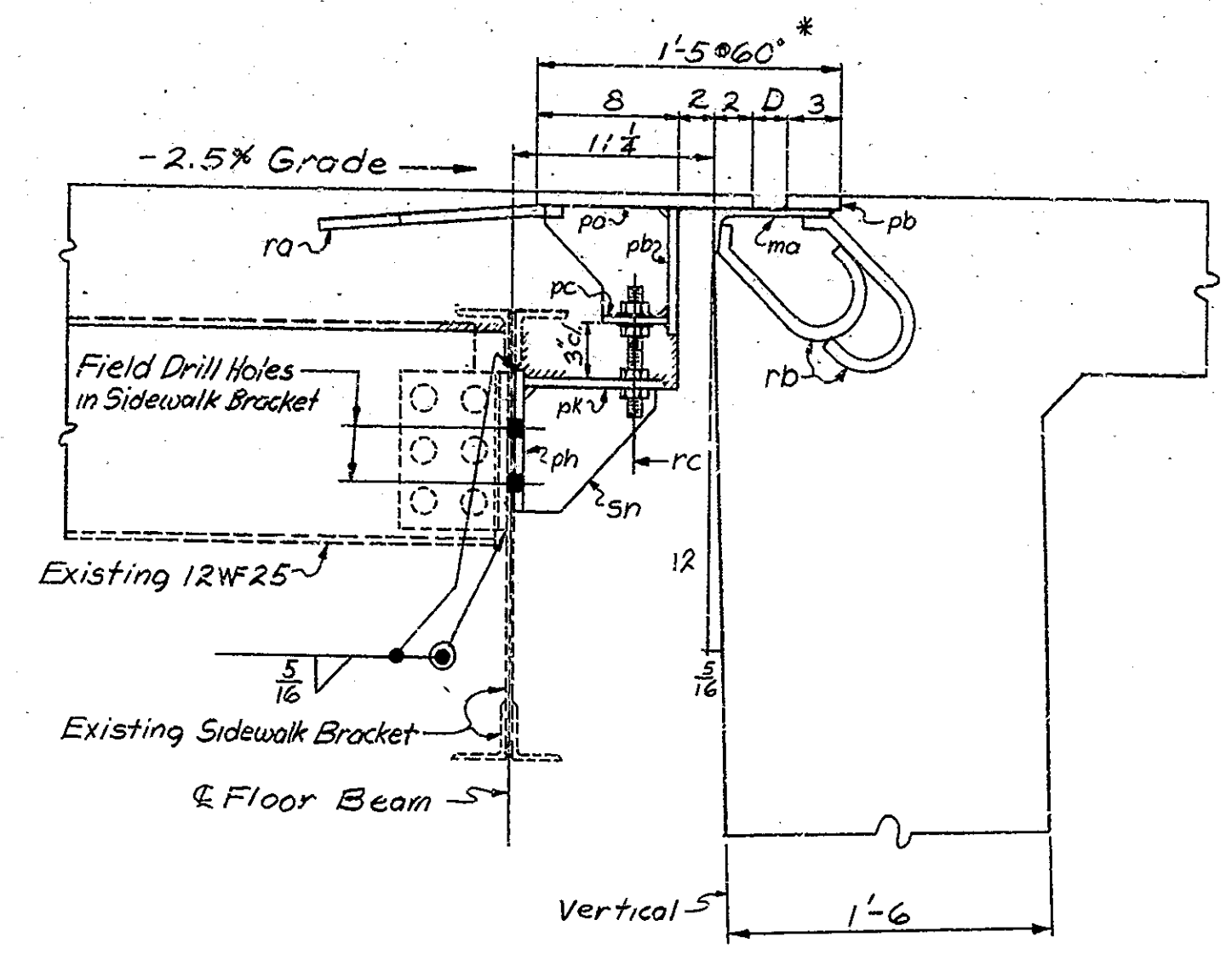
DESIGNED: G.E.S. & S.C. DR 7-2-63
 DRAWN: G.E.S. & S.C. DR 7-2-63
 TRACED: C.K.D.

MARK	Dim. A	Mark	Dim. A
Rf	9 3/8	Rd	8 3/8
Rg	9 3/8	Rd	8 3/8
Rh	9 3/8	Pe	7 3/8
Rk	9	Pv	7
Rm	8 3/8		

BRIDGES OVER 20' SPAN				
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.		1966	30

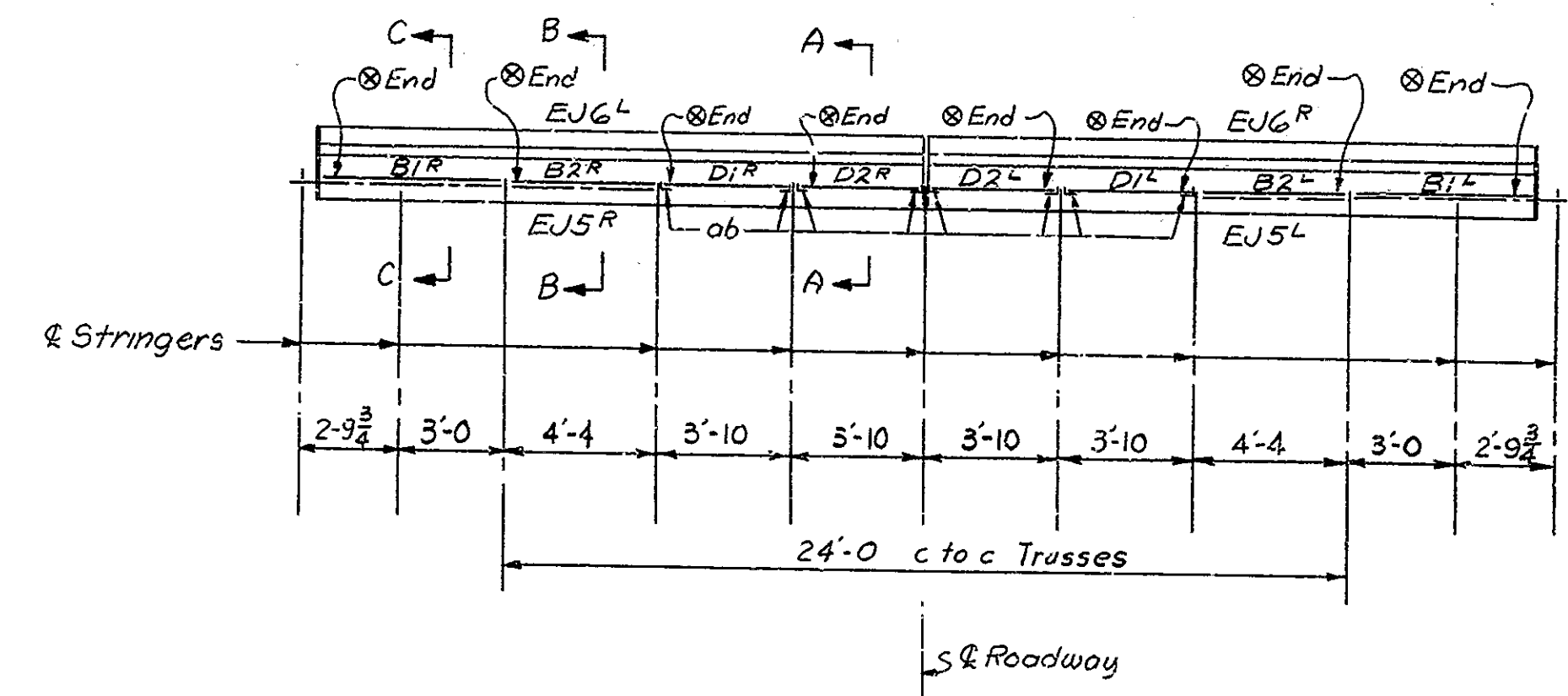


SECTION A-A

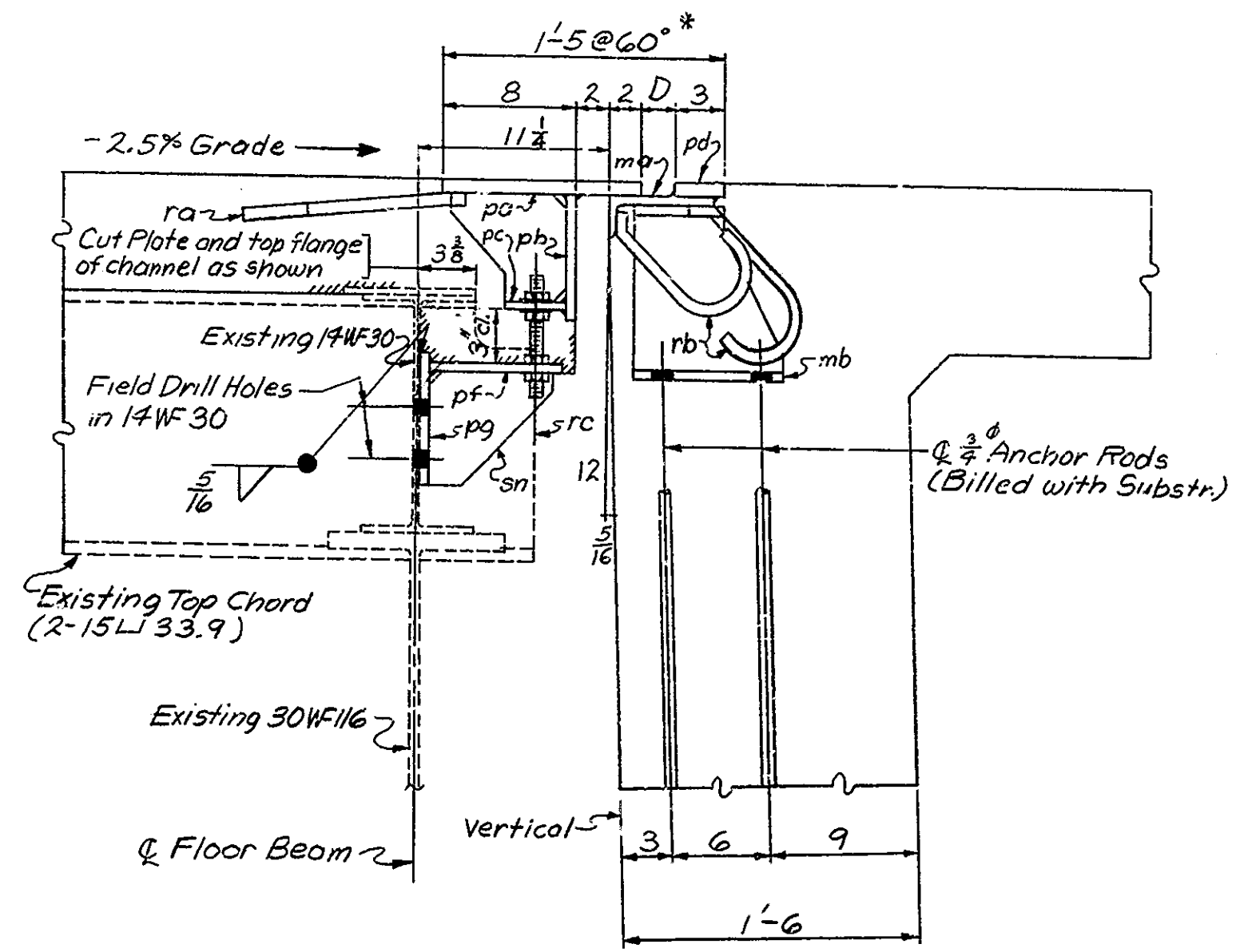


SECTION C-C

* See Table below for settings of other temperature



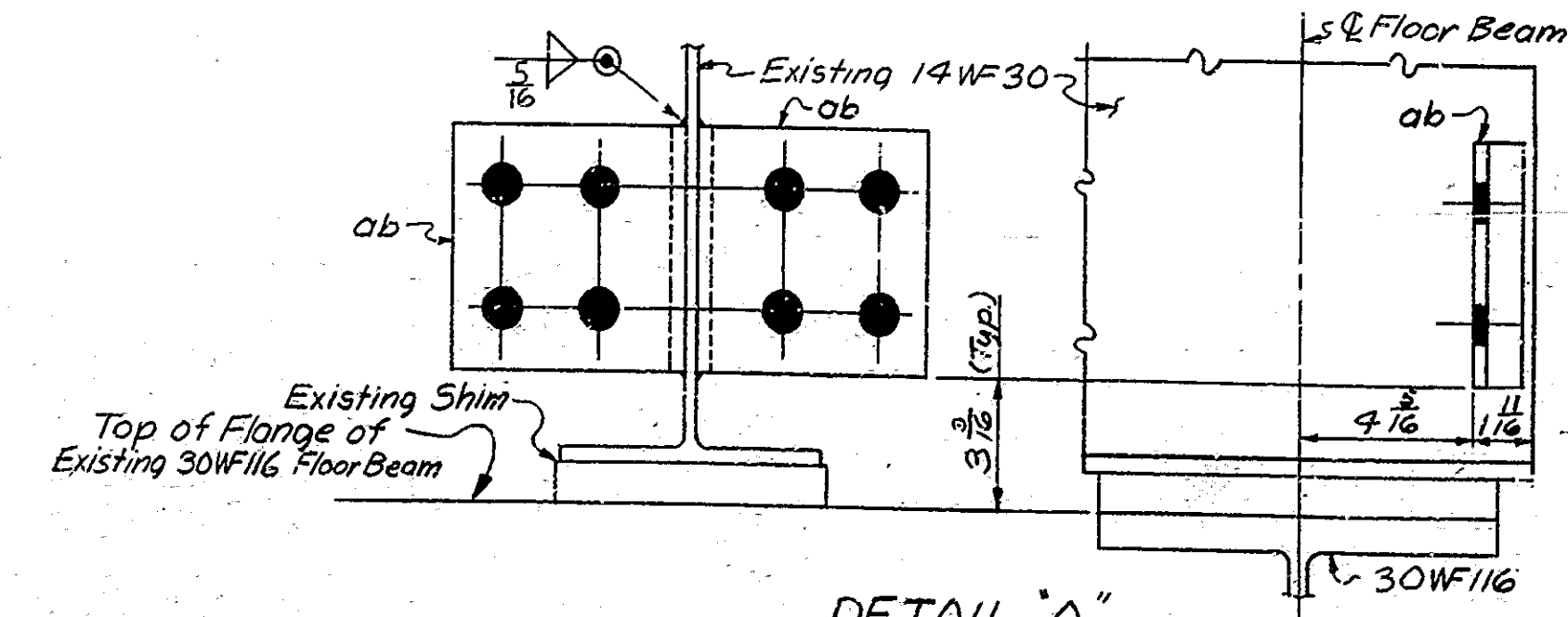
ERECTION PLAN
No Scale



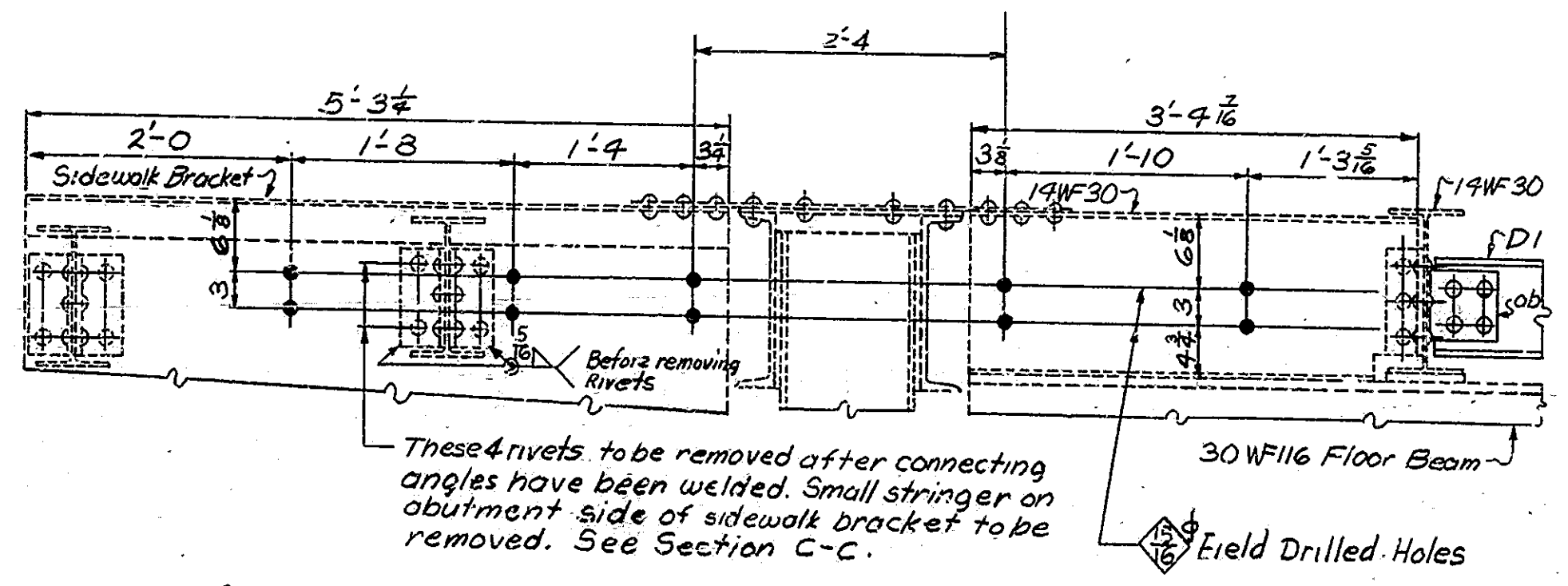
SECTION B-B

EXPANSION JOINT OPENING "D"

TEMPERATURE	0°	20°	40°	60°	80°	100°	120°
Bent No. 1	2 5/8	2 7/8	2 1/2	2	1 7/8	1 7/8	1 3/8
Pier No. 4	3 3/8	3 7/8	3	2 1/2	2	1 7/8	1 3/8
Pier No. 5 or No. 6	3 7/8	3	2 3/4	2 1/2	2 1/4	2	1 13/16
Abutment No. 9	2 5/8	2 7/8	2 1/2	2	1 7/8	1 7/8	1 3/8



DETAIL "A"
Showing Location of connection angles ab
Scale 3"=1'-0"



SECTION SHOWING LOCATION OF FIELD DRILLED HOLES
Scale 1"=1'-0"

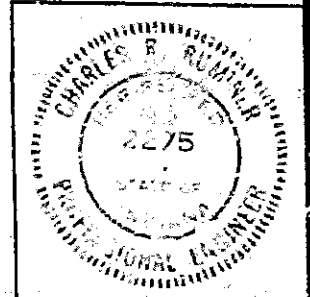
Open Holes 5/8" Unless Noted; Rivets 3/8"
For additional details see Drwg. R9
For details of rod rc see Drwg. R6

STEEL DETAILS-ABUTMENT NO. 9
INDIANA STATE HIGHWAY COMMISSION

SCALE:- 1/2"=1'-0" Unless Noted JULY 23, 1965

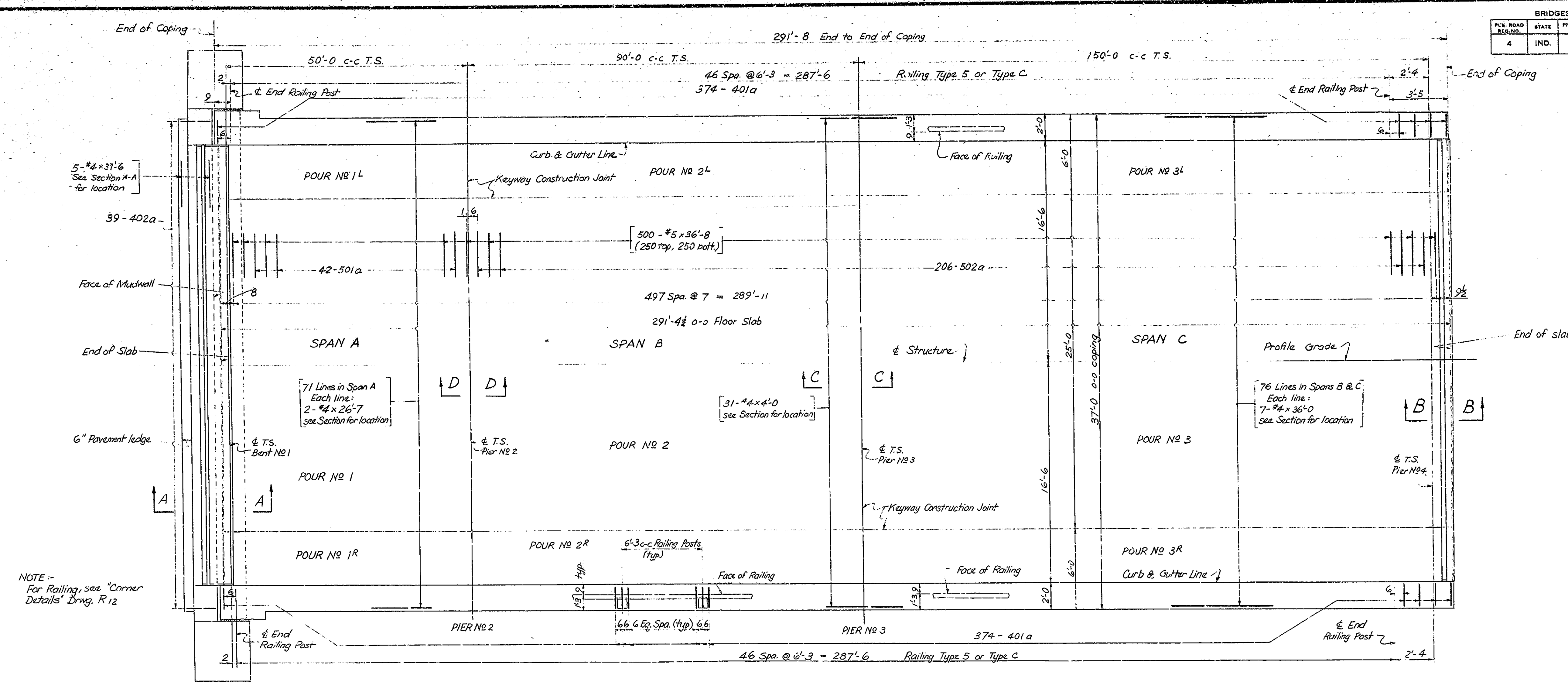
RECOMMENDED FOR APPROVAL: *C.R. Rimmer*

DRAWING: R10 OF 14
PROJECT:-
BRIDGE CONTRACT NO. 6888
BRIDGE FILE:- 52-P-1784A



DESIGNED: JDR 6-18-65 CKD: GES 6-18-65
DRAWN: JDR 6-22-65 CKD: GES 7-2-65
TRACED CKD

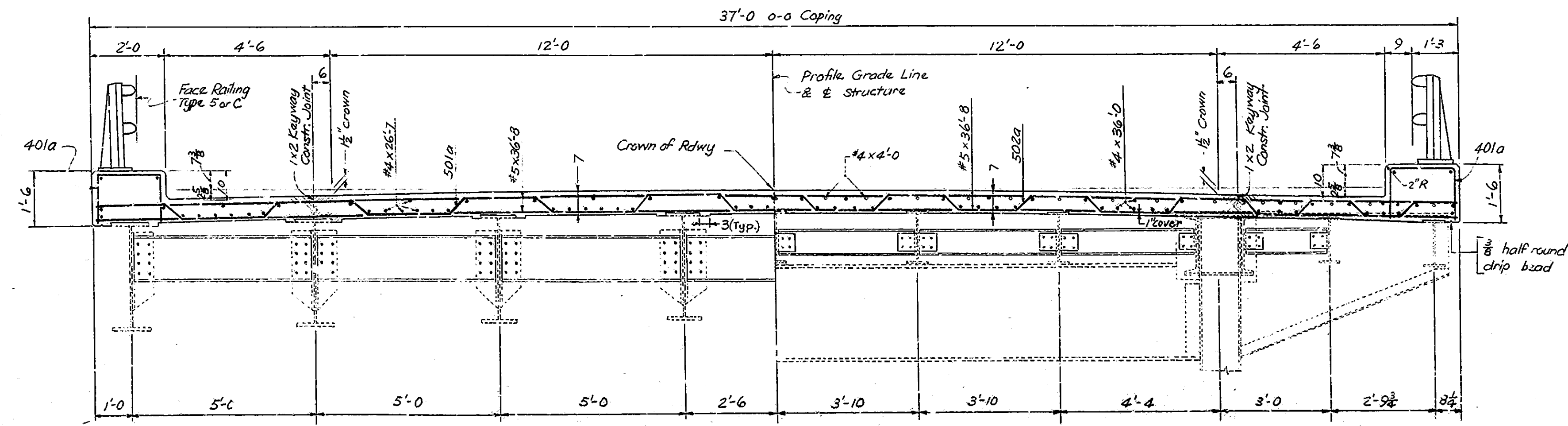
BRIDGES OVER 20' SPAN					
PLC. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	13	30



PLAN - SPANS A, B & C

NOTE:-
For Railing, see "Corner Details" Drwg. R.12

NOTE:-
For Sections A-A, B-B, C-C & D-D, see Drwg. R.12.
For reinforcing bar notes, see Br. Std. C.1.
For railing details, see Br. Std. R1-C and R1-E or R1-F.
After structural steel has been erected concrete forms shall not be blocked against the expansion end of the steel in making any pours adjacent to steel spans.
Sequence of pours may be in any order. Transverse construction joints are optional, and pours may be made continuous provided that the pour terminates at a construction joint indicated.
For dimension tie-up of End Railing post, see "Corner Details" on Drwgs. R12 & R13.
For General Notes see Drwg. R.1.



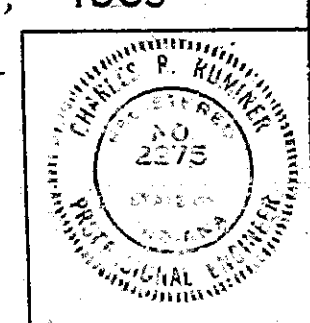
SHOWING REINFORCING STEEL IN SPAN A & END DIAPHRAGMS AT BENT NO. 1 SHOWING REINFORCING STEEL IN SPANS B & C & END DIAPHRAGMS AT PIER NO. 4

SECTION I TO THE ROADWAY

FLOOR DETAILS - SPANS A, B & C
INDIANA STATE HIGHWAY COMMISSION

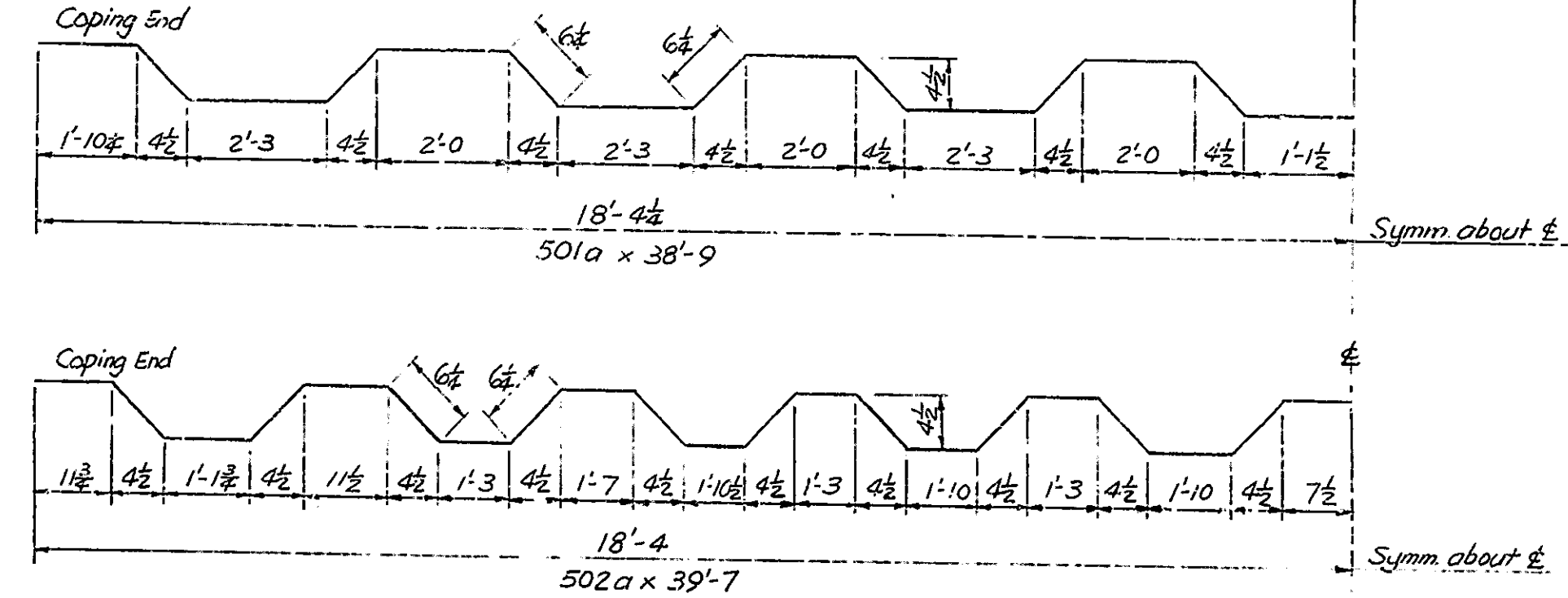
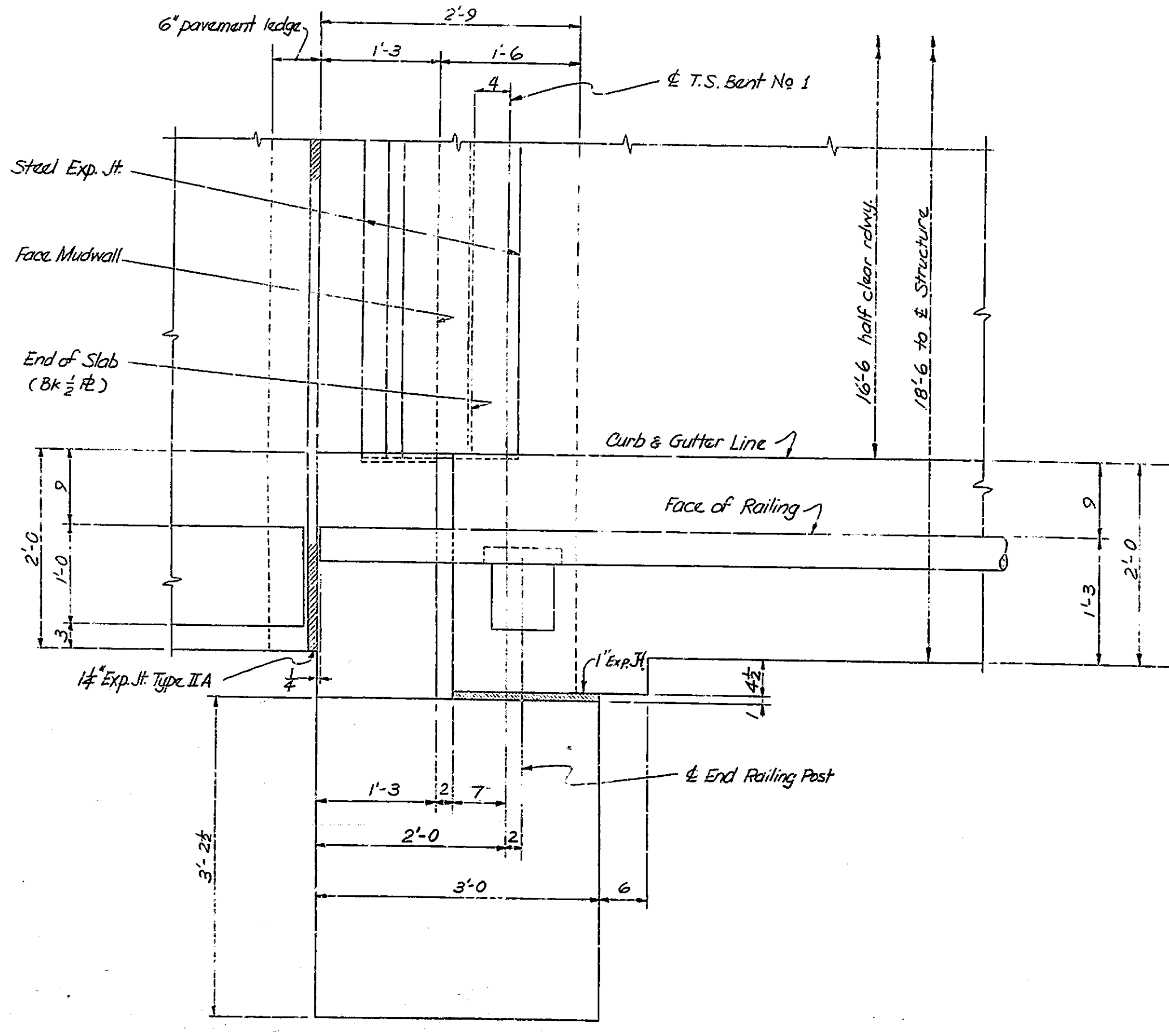
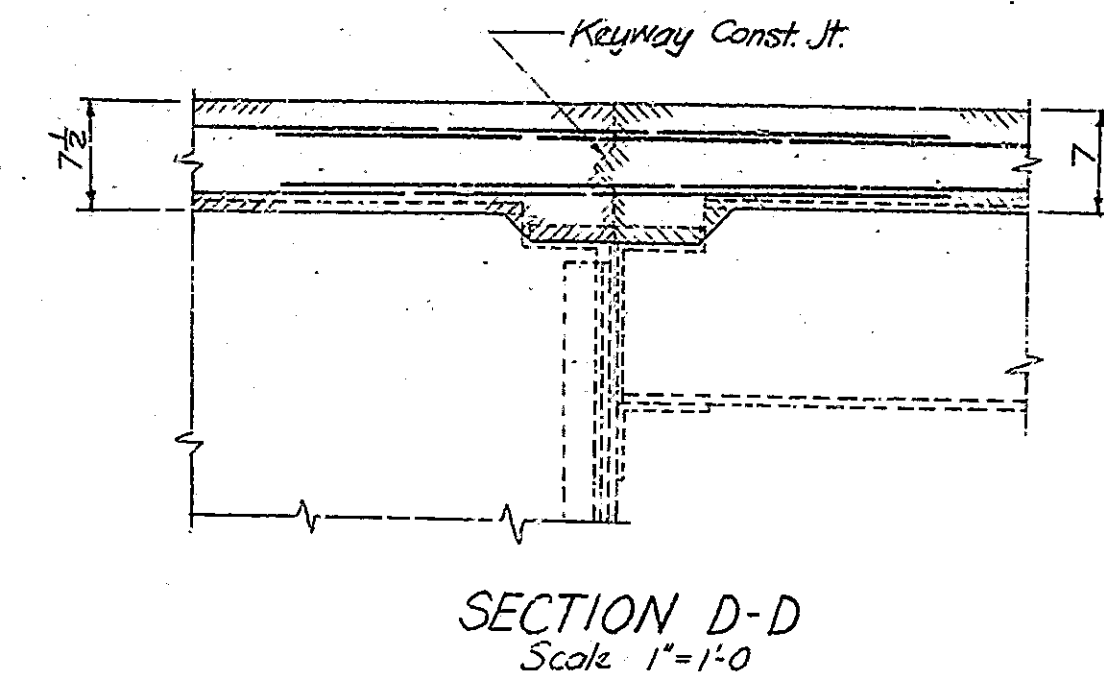
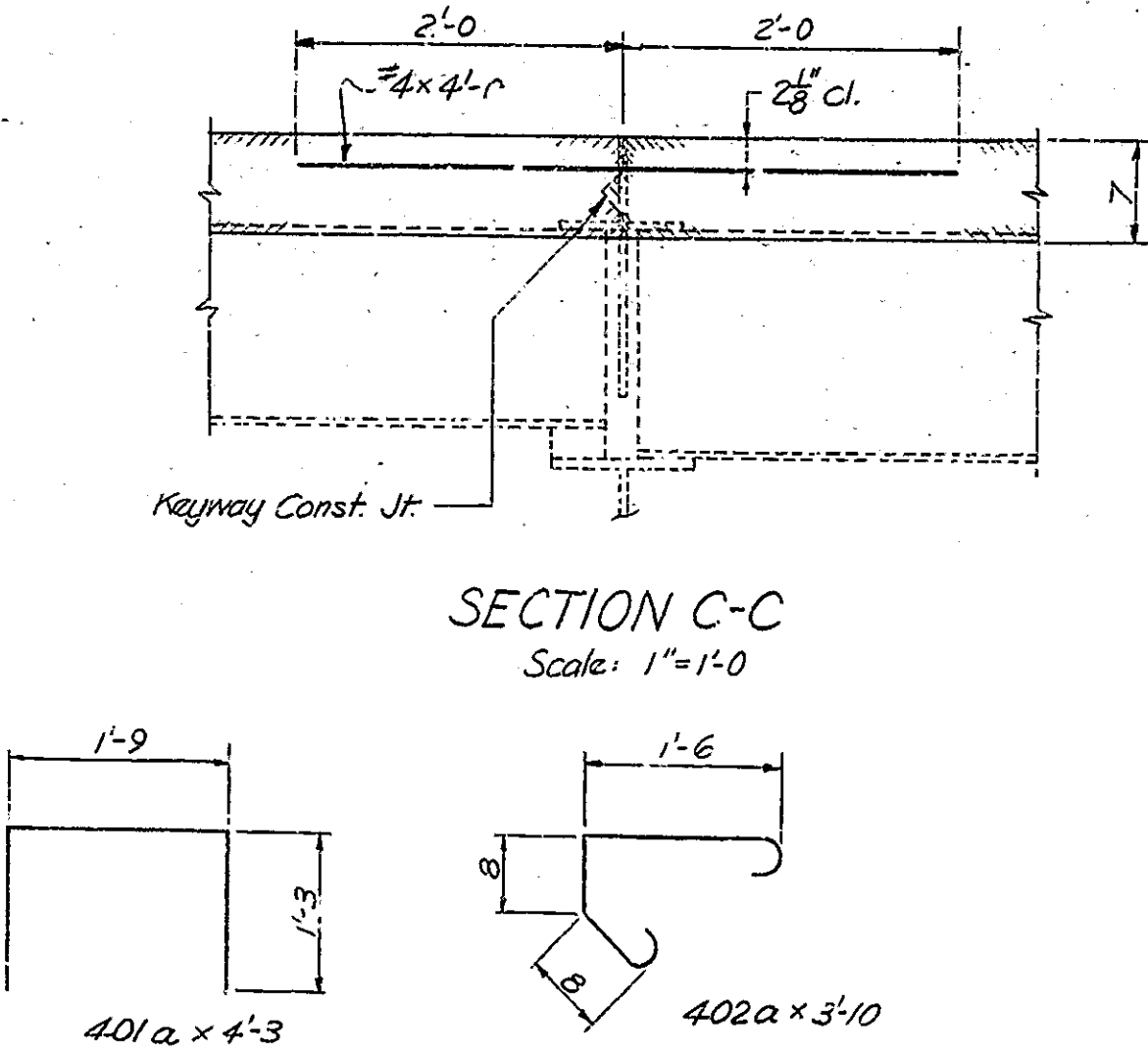
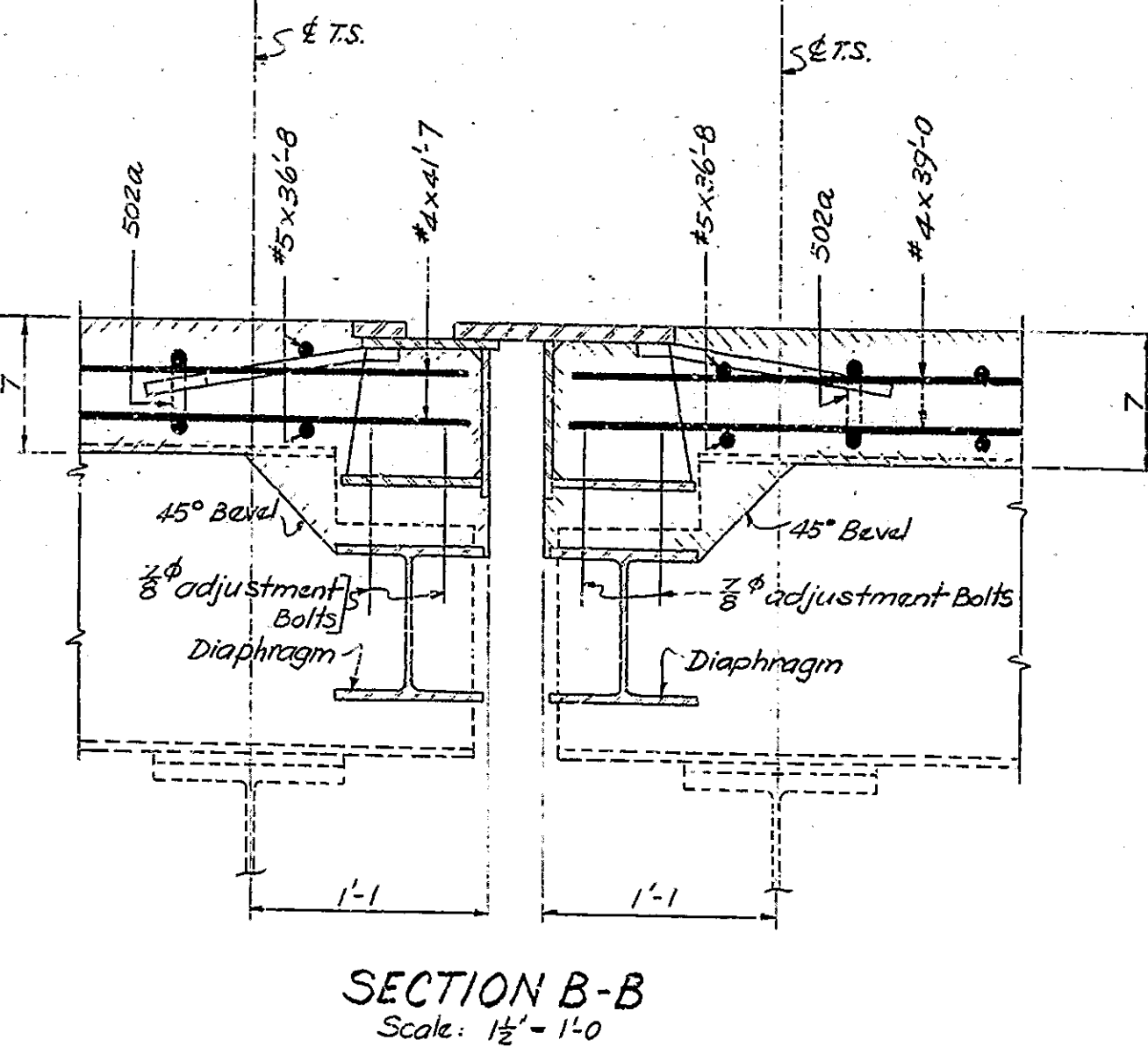
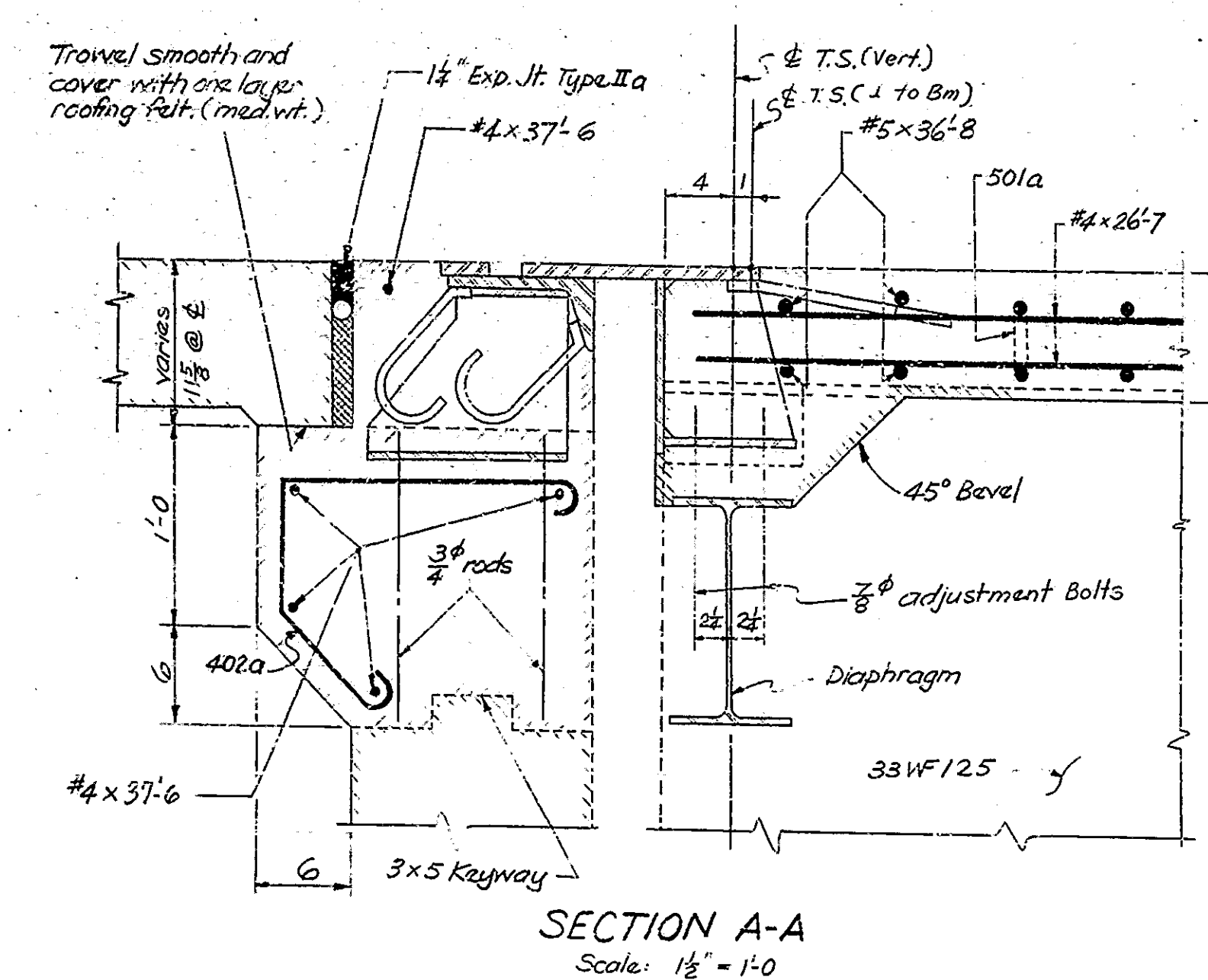
SCALE:- NONE JULY 23, 1965
RECOMMENDED FOR APPROVAL: *C.R. Rummey*
CHIEF OF BRIDGE DESIGN

DRAWING: R11 OF 14
PROJECT:
BRIDGE CONTRACT NO. 6888
BRIDGE FILE:- 52-P-1784A



DESIGNED: P.M. 2-2-65 C.K. 2-2-65
DRAWN: P.M. 6-23-65 C.K. 6-23-65
TRACED: C.W.D.

BRIDGES OVER 20' SPAN				
PUB. ROAD RES. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO. TOTAL SHEETS
4	IND.		1966	14 30



BILL OF MATERIALS
SPANS A, B & C

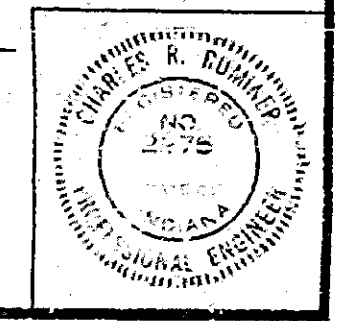
REINFORCING STEEL			
SIZE MARK	NO. OF BARS	LENGTH	WEIGHT (lb.)
501a	42	38'-9"	
502a	206	39'-7"	
#5	500	36'-8"	
Total #5			29,324
401a	748	4'-3"	
402a	39	3'-10"	
#4	5	37'-6"	
#4	532	36'-0"	
#4	142	26'-7"	
#4	31	4'-0"	
Total #4			17,747
TOTAL STEEL			47,071
CONCRETE			Cu. Yds.
Class "F" - Superstructure			277
Pour #1	39	3'-10"	48.6
Pour #2	5	37'-6"	81.8
Pour #3	142	26'-7"	10.0
Pour #1L	31	4'-0"	10.0
Pour #1R			17.7
Pour #2L			17.7
Pour #2R			29.7
Pour #3L			29.7
Pour #3R			5.1
Bent No 1 Cap			278.1
TOTAL CLASS "F"			586.4 L.Ft.
MISCELLANEOUS			
Railing Type 3 or C			586.4 L.Ft.

NOTES:-
For location of Sections A-A, B-B, C-C and DD see Drwg. R 11
For reinforcing bar notes see Br. Std. C1.
For Corner Details at Pier No 4 see Drwg. R 13.

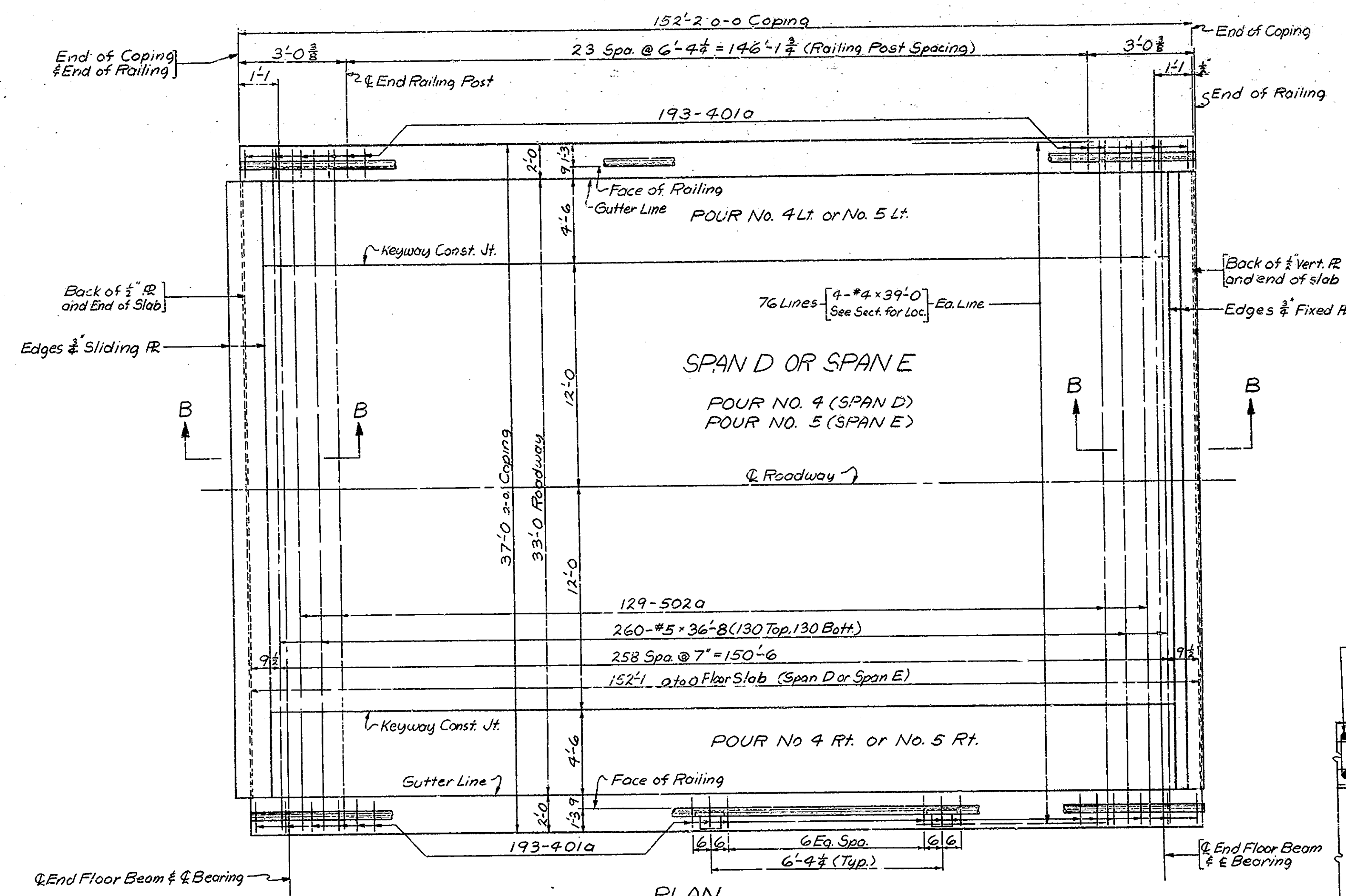
FLOOR DETAILS - SPANS A, B & C
INDIANA STATE HIGHWAY COMMISSION

SCALE:- AS NOTED
RECOMMENDED FOR APPROVAL: [Signature]
DRAWING: R12 OF 14
PROJECT: BRIDGE CONTRACT NO. 6888
BRIDGE FILE:- 52-P-1784A
JULY 23, 1965

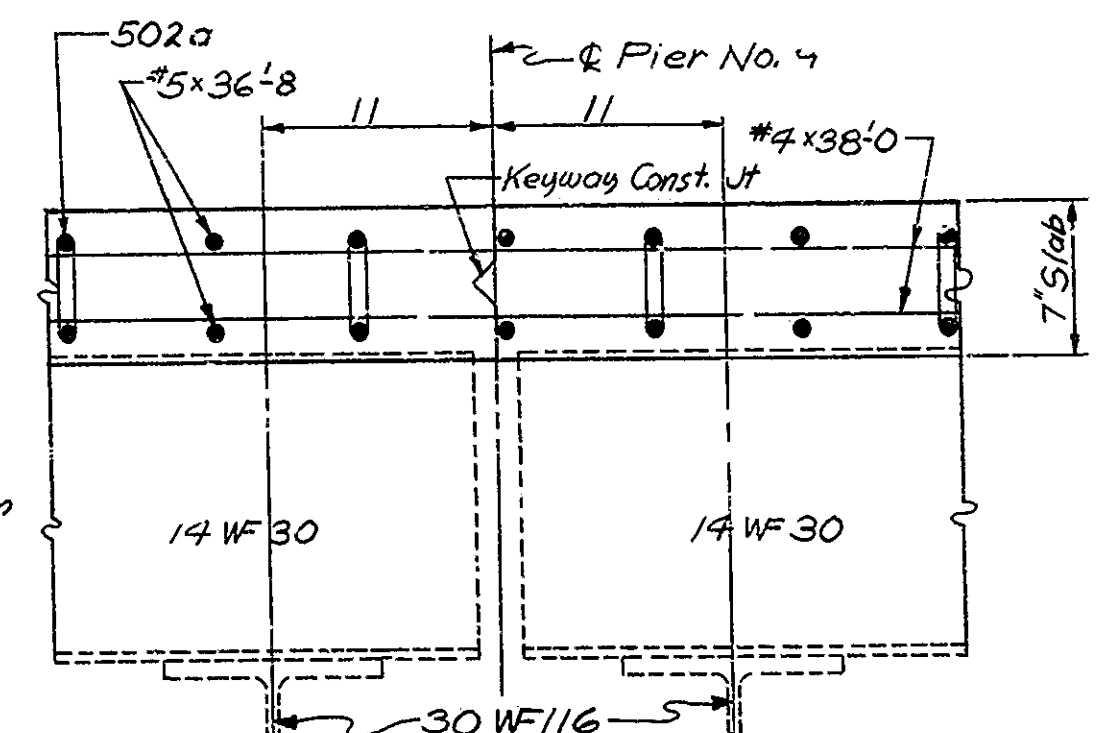
DESIGNED: PKH 7-8-65
DRAWN: PKH 7-12-65
TRACED: CKD



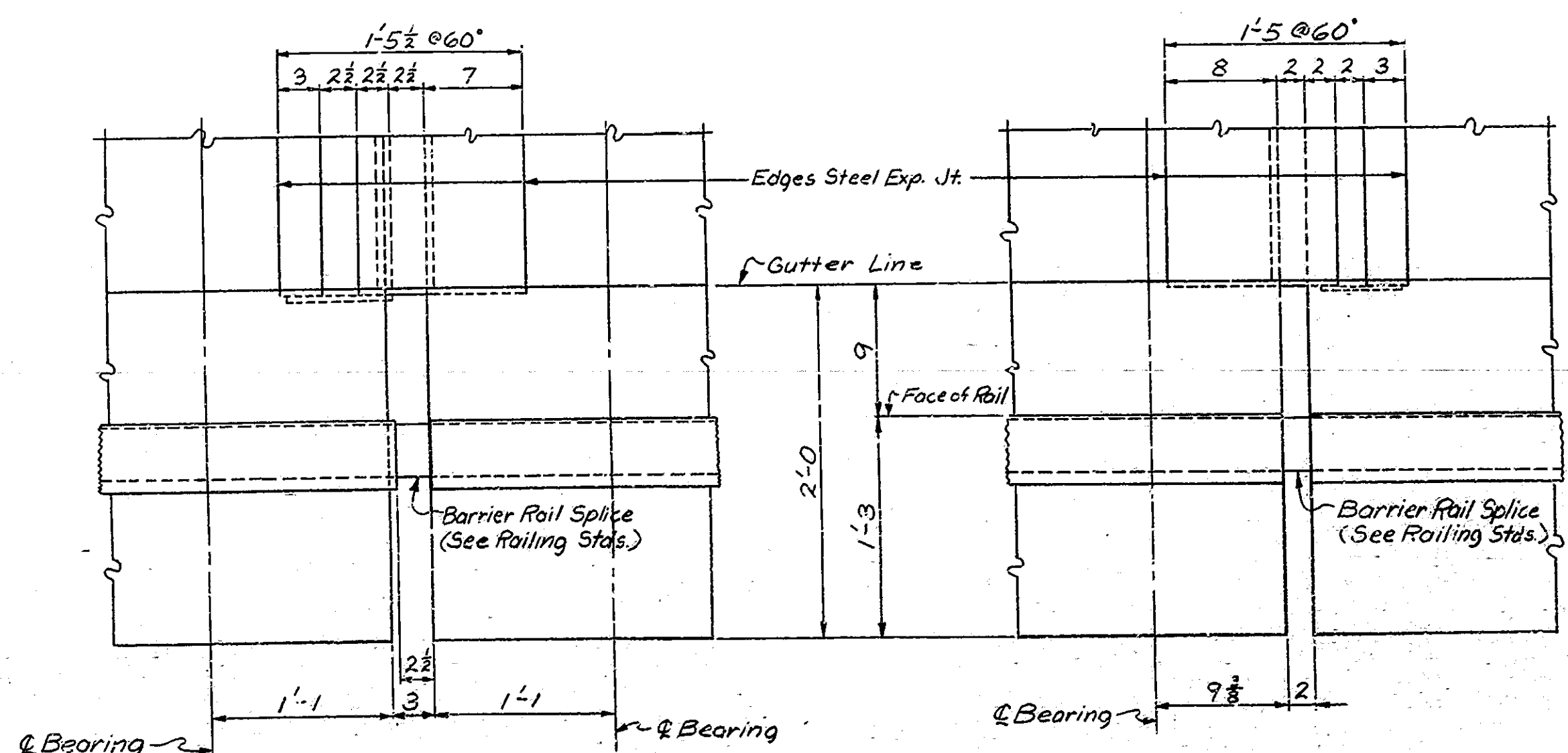
BRIDGES OVER 20' SPAN					
PUB. ROAD REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	15	30



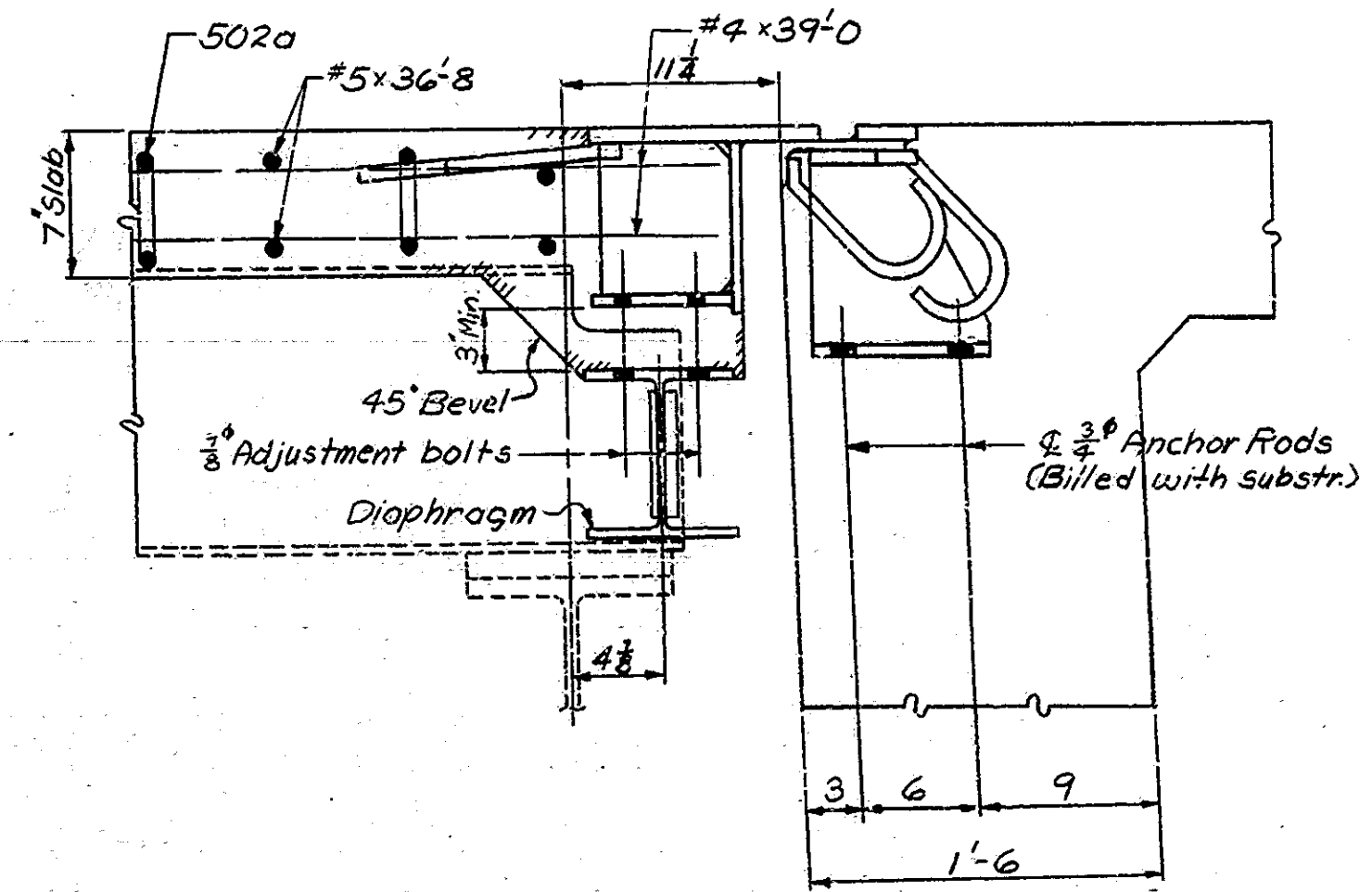
PLAN
No Scale



SECTION E-E
Scale 1/2" = 1'-0"



CORNER DETAILS
Scale 1/2" = 1'-0"



SECTION D-D
Scale 1/2" = 1'-0"

REINFORCING STEEL
SPAN D (SPAN E SAME)

SIZE and MARK	No. of Bars	LENGTH	WEIGHT (LBS)
502a	129	39'-7"	
#5	260	36'-8"	
Total #5			15,269
401a	384	4'-3"	
#4	304	39'-0"	
Total #4			9016
Total Steel			24,285

CONCRETE		Cu. Yds.
Class "F"		
Pour No. 4 (or 5)		79.2
Pour No. 4 Lt. (or 5 Lt.)		31.8
Pour No. 4 Rt. (or 5 Rt.)		31.8
Total Class "F"		142.8
Miscellaneous		
Steel Railing Type 5 or Aluminum Railing Type C		3044 L.F.

REINFORCING STEEL
SPANS F, G, AND H

SIZE and MARK	No. of Bars	LENGTH	WEIGHT (LBS)
502a	283	39'-7"	
#5	568	36'-8"	
Total #5			33,406
401a	834	4'-3"	
#4	684	38'-0"	
#4	62	4'-0"	
Total #4			19,896
Total Steel			53,302

CONCRETE		Cu. Yds.
Class "F"		
Pour No. 6		78.5
Pour No. 7		46.6
Pour No. 8		47.3
Pour No. 6 Lt.		31.5
Pour No. 6 Rt.		31.5
Pour No. 7 Lt.		18.8
Pour No. 7 Rt.		18.8
Pour No. 8 Lt.		19.0
Pour No. 8 Rt.		19.0
Total Class "F"		311.0

Steel Railing Type 5 or Aluminum Railing Type C	6637 L.F.
---	-----------

NOTES:

- For Section B-B see Drwg. R12
- For reinforcing bar notes see Br. Std. C1.
- For Aluminum Railing Type 5 see Br. Stds. RIC & RIE.
- For Steel Railing Type C see Br. Std. RIF.
- For bar bending diagrams see Drwg. R12
- For roadway section see Drwg. R14
- For location of Section E-E & D-D see Drwg. R14
- Concrete forms shall not be blocked against the expansion end of the steel in making any pours adjacent to steel spans.

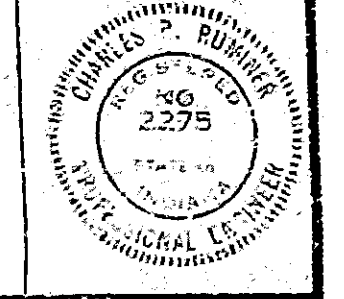
FLOOR DETAILS - SPAN D OR SPAN E

INDIANA STATE HIGHWAY COMMISSION

SCALE: As Noted
JULY 23, 1965

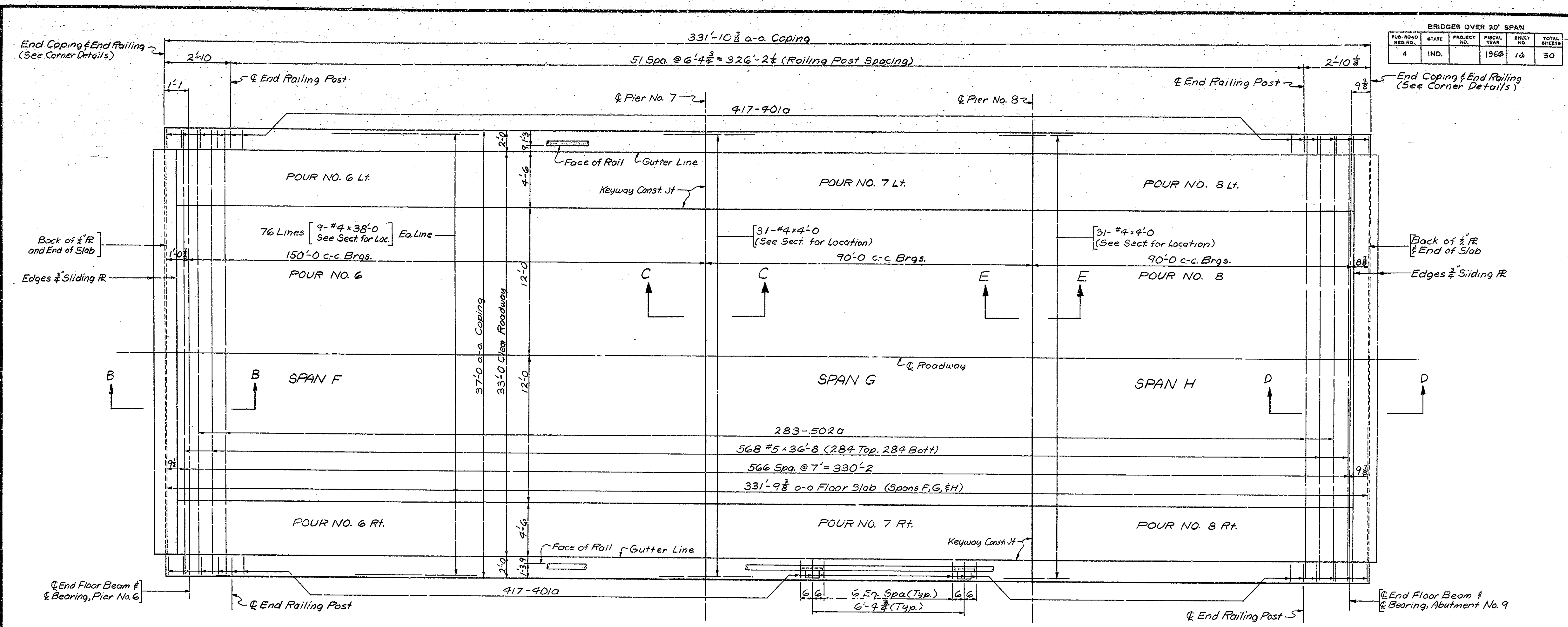
RECOMMENDED FOR APPROVAL: *C.P. Remiser*
ENGINEER OF BRIDGE DESIGN

DRAWING: R13 OF 14
PROJECT: BRIDGE CONTRACT NO. 6888
BRIDGE FILE: 52-P-1784A

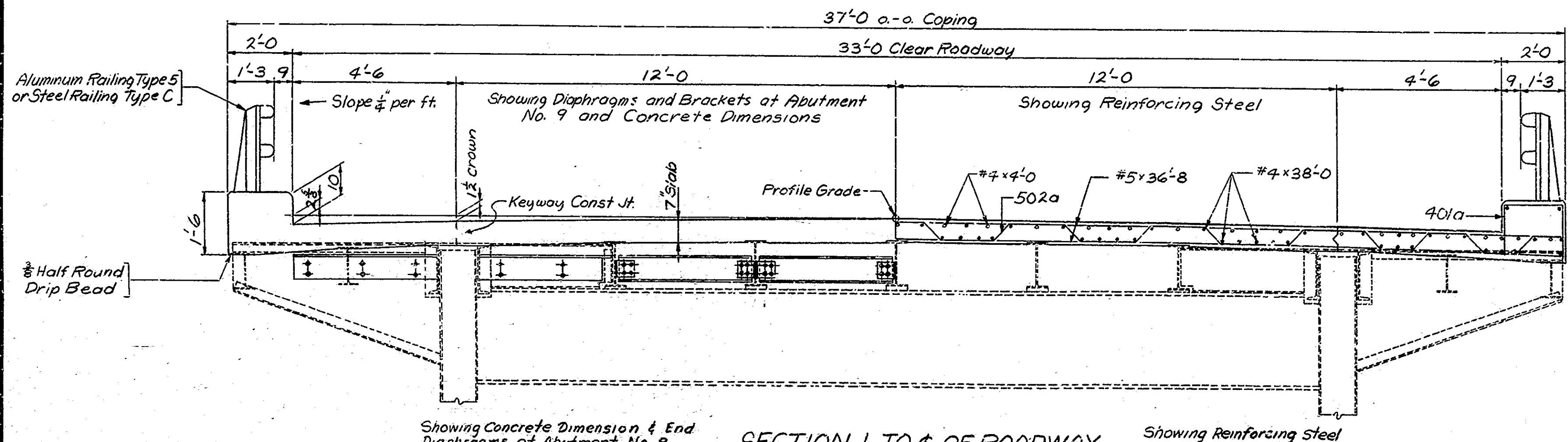


DESIGNED: D.P. 28-65 K.O. G.E.S. 7-2-65
DRAWN: D.P. 28-65 C.K.D. G.E.S. 7-2-65
TRACED: C.K.D.

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.		1966	16	30



PLAN
No Scale



SECTION \perp TO ϕ OF ROADWAY
Scale $\frac{1}{2}$ " = 1'-0"

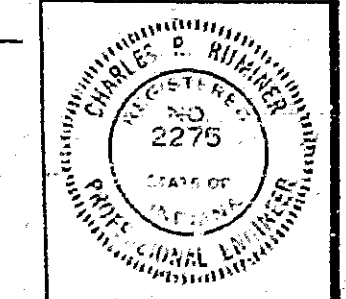
NOTES:
 For Sections D-D and E-E see Drwg. R13
 For Sections B-B and C-C see Drwg. R12
 For reinforcing bar notes see Br. Std. C1.
 For corner details see Drwg. R13
 Sequence of pours may be made in any order
 Transverse construction joints are optional, and pours may be made continuous providing the pour terminates at a construction joint indicated on the plan.
 For Aluminum Railing Type 5 see Br. Stds. RIC & RIE.
 For Steel Railing Type C see Br. Std. RIF.
 For bar bending diagrams see Drwg. R12
 For Bill of Materials see Dwg. R15

FLOOR DETAILS-SPANS F, G, & H
INDIANA STATE HIGHWAY COMMISSION

SCALE: As Noted
 JULY 23, 1965

RECOMMENDED FOR APPROVAL: *C. R. ...*
SUBMITTER OF BRIDGE DESIGN

DRAWING: R14 OF 14
 PROJECT:
 BRIDGE CONTRACT NO. 6888
 BRIDGE FILE: 52-P-1784A



DESIGNED: JDR-2445, NOTES 7-1-65
 DRAWN: JDR-2445, NOTES 7-1-65
 TRACED: CKD

