

BRIDGE CONTRACT NO. B-7265

| INDEX | | | | | | |
|-----------|-------------------|---|--------------------|----------------|----------|--------------|
| PROJECT | STRUCTURE | TYPE | SPAN | OVER | STATION | CONTRACT NO. |
| S-124(12) | NO. A9 -8783 | S. SPAN CONTINUOUS WELDED PLATE GIRDER | 127, 6 AT 161, 127 | LICK RUN CREEK | 80+40.00 | B-7265 |
| SHEET NO. | SHEET DESIGNATION | SUBJECT | | | | |
| 1 | ONE SHEET | INDEX & TITLE SHEET | | | | |
| 2 | RDWY. SHEET NO. 3 | TYPICAL SECTION - P.A. PROJECT S-124(10) | | | | |
| 3 | RDWY. SHEET NO. 9 | PLAN & PROFILE - P.A. PROJECT S-124(10) | | | | |
| 4 | ONE SHEET | LOG OF BORINGS | | | | |
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| 6 | S2 | GENERAL PLAN | | | | |
| 7 | S3 | GENERAL PLAN | | | | |
| 8 | S4 | GENERAL PLAN | | | | |
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| 11 | S7 | BENT 1 DETAILS | | | | |
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| 13 | S9 | BENT 2 DETAILS | | | | |
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| 15 | S11 | BENT 3 DETAILS | | | | |
| 16 | S12 | BENT 4 DETAILS | | | | |
| 17 | S13 | BENT 5 DETAILS | | | | |
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| 20 | S16 | BENT 8 DETAILS | | | | |
| 21 | S17 | BENTS 2 THROUGH 8 FOOTING DETAILS | | | | |
| 22 | S18 | FRAMING PLAN AND GIRDER DETAILS | | | | |
| 23 | S19 | GIRDER DETAILS | | | | |
| 24 | S20 | GIRDER DIAGRAMS & GENERAL STEEL NOTES | | | | |
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| 28 | S24 | FLOOR DETAILS | | | | |
| 29 | S25 | SCREEDS | | | | |
| 30 | S26 | SCREEDS | | | | |
| 31A | ONE SHEET | APPROACH DETAILS | | | | |

STATE OF INDIANA
STATE HIGHWAY DEPARTMENT

BRIDGE PLANS FOR SPANS OVER 20 FEET ON

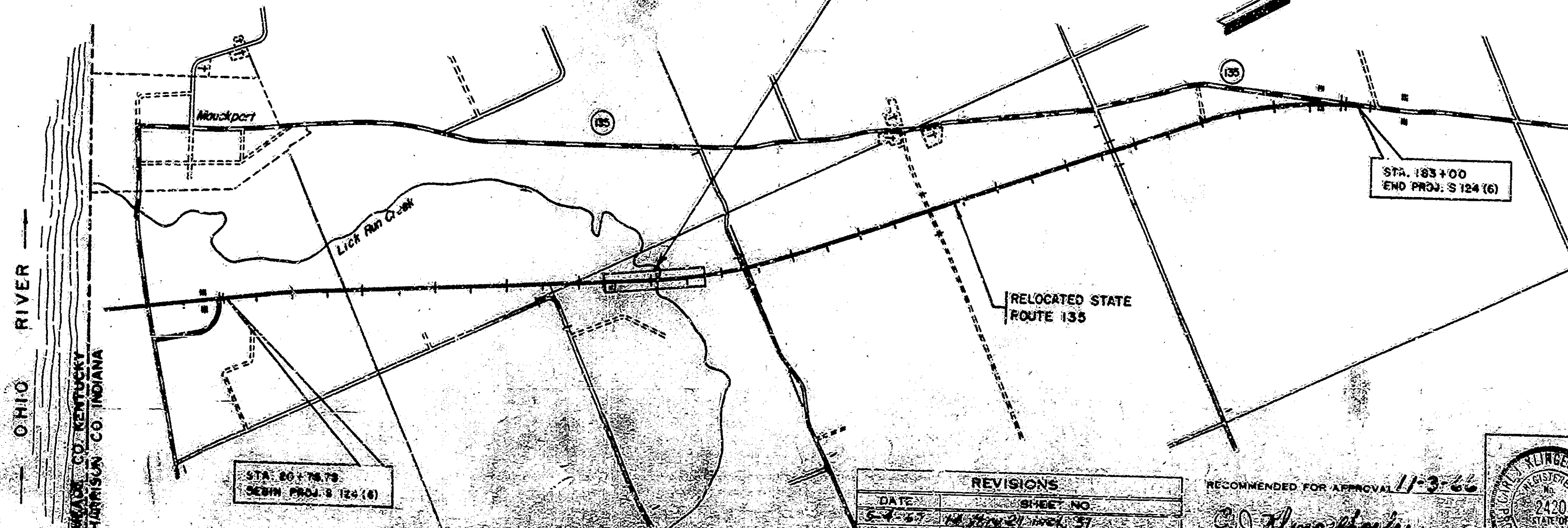
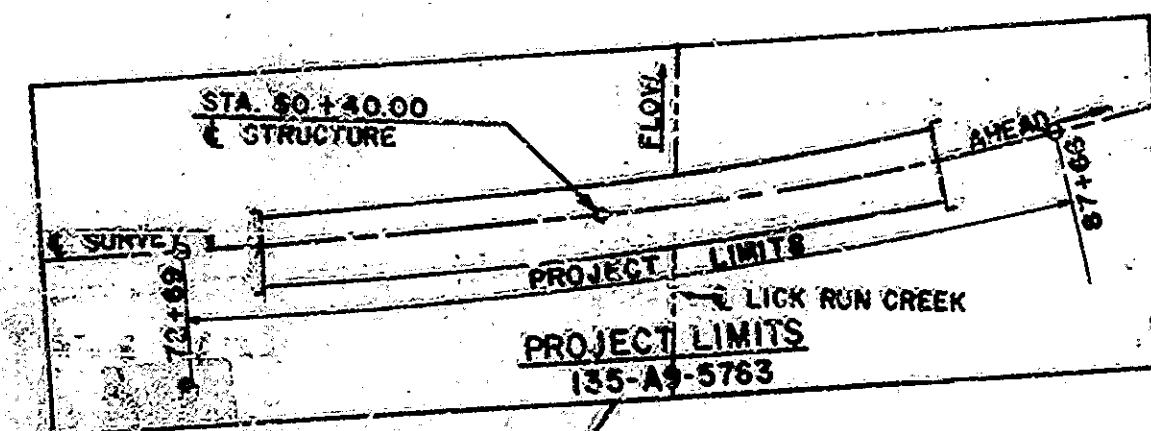
RELOCATED S.R. 135 FROM THE JUNCTION WITH S.R. 11 AND THE OHIO RIVER BRIDGE AT MAUCKPORT TO THE JUNCTION WITH PRESENT S.R. 135

PROJECT NO. S-124(12) CONST.
(6) PE
(9) RW

RELOCATED STATE ROUTE 135 OVER LICK RUN CREEK

BEGINNING AT A POINT ON THE CENTERLINE OF THE PROPOSED RELOCATED STATE ROUTE 135, 5193.22 FEET NORTHEAST OF THE BEGINNING STA. 20+76.78 OF PROJECT NO. S-124(6) AND EXTENDING IN A NORTHEASTERLY DIRECTION A DISTANCE OF 1497.00 FEET ON THE AFORESAID CENTERLINE OF THE PROPOSED RELOCATED ROUTE 135; THESE LIMITS BEING IN SECTION 34, OF T5S, R3E IN HARRISON COUNTY.

| | |
|-----------------------------|------------|
| ROADWAY LENGTH | .051 MILES |
| BRIDGE LENGTH | .233 MILES |
| TOTAL LENGTH | .283 MILES |
| MAXIMUM GRADE S.R. 135 - 5% | |



| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-----------|-----------|-----------|--------------|
| PUBLIC ROAD NUMBER | STATE | PROJ. NO. | FIN. YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | 812408 | 1967 | 1 | 30 |

| INDEX CONTINUED STANDARD DRAWINGS | | | |
|--------------------------------------|---------------------------|--|--------------------|
| SHEET NO. | SHEET DESIGNATION | SUBJECT | APPROVED |
| 31 | ONE SHEET | SUMMARY CROSS SECTIONS | |
| 32 | BRIDGE STD. G1 | STANDARD MISCELLANEOUS DETAILS | 8-10-66 R-6-62-66 |
| 33 | BRIDGE STD. G2 | STANDARD MISCELLANEOUS DETAILS | |
| 34 | BRIDGE STD. D | CASTING DETAILS ROADWAY DRAINS | 2-8-66 R-10-28-66 |
| 35 | BRIDGE STD. E | ROADWAY DRAIN OUTLET DETAILS | |
| 36 | BRIDGE STD. H | TOP SURFACE OF TRUCK PAVEMENT & TOE OF S.C. & E.B. | |
| 37 | BRIDGE STD. I | TYP. DETAILS OF TRUCK PAVEMENT & LOCATING TOE OF SLOPE | |
| 38 | BRIDGE STD. J | EXPANSION JOINT DETAILS | 7-22-66 R-6-18-66 |
| 39 | BRIDGE STD. K1 | MISCELLANEOUS APPROACH DETAILS | 8-11-66 R-6-11-66 |
| 40 | BRIDGE STD. K2 | MISCELLANEOUS APPROACH DETAILS | |
| 41 | BRIDGE STD. M3 | MISCELLANEOUS APPROACH DETAILS | 4-17-64 R-6-27-63 |
| 42 | BRIDGE STD. R1/C | ALUMINUM BUSHING DETAILS | |
| 43 | BRIDGE STD. R1/E | ALUMINUM BUSHING DETAILS | 8-18-66 R-6-22-66 |
| 44 | BRIDGE STD. R1/F | STEEL WELDING DETAILS | 8-18-66 R-6-22-66 |
| 45 | BRIDGE STD. R2 | TYPICAL DETAILS FOR PLACING SPECIAL FILLING MATERIAL | 6-18-66 R-6-22-66 |
| 46 | BRIDGE STD. R3 | TYPICAL DETAILS FOR PLACING SPECIAL FILLING MATERIAL | |
| 47 | BRIDGE STD. T SHEET A | STANDARD TEMPORARY BRIDGE | |
| 48 | BRIDGE STD. T SHEET B | STANDARD TEMPORARY BRIDGE | |
| 49 | ROAD STD. SHEET A | MISCELLANEOUS STANDARDS | 9-22-66 A-10-25-66 |
| 50 | ROAD STD. SHEET B | MISCELLANEOUS STANDARDS | |
| 51 | ROAD STD. SHEET C | MISCELLANEOUS STANDARDS | |
| 52 | ROAD STD. SHEET D | MISCELLANEOUS STANDARDS | |
| 53 | ROAD STD. SHEET E | MISCELLANEOUS STANDARDS | |
| 54 | ROAD STD. SHEET F | MISCELLANEOUS STANDARDS | |
| 55 | ROAD STD. SHEET G | MISCELLANEOUS STANDARDS | |
| 56 | ROAD STD. SHEET H | MISCELLANEOUS STANDARDS | |
| 57 | ROAD STD. SHEET I | MISCELLANEOUS STANDARDS | |
| 58 | ROAD STD. SHEET J | MISCELLANEOUS STANDARDS | |
| 59 | ROAD STD. SHEET K | MISCELLANEOUS STANDARDS | |
| 60 | ROAD STD. SHEET L | MISCELLANEOUS STANDARDS | |
| 61 | ROAD STD. SHEET M | MISCELLANEOUS STANDARDS | |
| 62 | ROAD STD. SHEET N | MISCELLANEOUS STANDARDS | |
| 63 | ROAD STD. SHEET O | MISCELLANEOUS STANDARDS | |
| 64 | ROAD STD. SHEET P | MISCELLANEOUS STANDARDS | |
| 65 | ROAD STD. SHEET Q | MISCELLANEOUS STANDARDS | |
| 66 | ROAD STD. SHEET R | MISCELLANEOUS STANDARDS | |
| 67 | ROAD STD. SHEET S | MISCELLANEOUS STANDARDS | |
| 68 | ROAD STD. SHEET T | MISCELLANEOUS STANDARDS | |
| 69 | ROAD STD. SHEET U | MISCELLANEOUS STANDARDS | |
| 70 | ROAD STD. SHEET V | MISCELLANEOUS STANDARDS | |
| 71 | ROAD STD. SHEET W | MISCELLANEOUS STANDARDS | |
| 72 | ROAD STD. SHEET X | MISCELLANEOUS STANDARDS | |
| 73 | ROAD STD. SHEET Y | MISCELLANEOUS STANDARDS | |
| 74 | ROAD STD. SHEET Z | MISCELLANEOUS STANDARDS | |
| 75 | ROAD STD. | STANDARD STRUCTURE CONNECTIONS FOR EXTENSION | |
| 76 | ROAD STD. | STANDARD REINFORCED CONCRETE BOX CULVERTS | |
| 77 | ROAD STD. | STANDARD REINFORCED CONCRETE BOX CULVERTS - SK. END & WING | |
| 78 | ROAD STD. | STANDARD REINFORCED CONCRETE CULVERTS - SLAB TOP TYPE (U.F.) | |
| 79 | ROAD STD. | STANDARD REINFORCED CONCRETE CULVERTS - SLAB TOP TYPE (U.F.) | |
| 80 | ROAD STD. SHEET GR | STANDARD GUARD RAIL | |
| 81 | ROAD STD. SHEET GR | STANDARD GUARD RAIL | |
| 82 | ROAD STD. | STANDARD REINFORCED CONCRETE ARCH - 12' SPAN | |
| 83 | ROAD STD. | STANDARD HEADWALLS | |
| 84 | ROAD STD. | STANDARD STRUCTURAL FLAT ARCH | |
| 85 | ROAD STD. | CONCRETE WINGS FOR STD. STRUCTURAL PLATE ARCHES | |
| 86 | ROAD STD. | STANDARD DETOUR SIGNS | |
| 87 | ROAD STD. SHEET 1 DETOURS | STANDARD DETOUR SIGNS | |
| 88 | ROAD STD. SHEET 2 DETOURS | STANDARD DETOUR SIGNS | |
| 89 | ROAD STD. SHEET 3 DETOURS | STANDARD DETOUR SIGNS | |
| 90 | ROAD STD. SHEET 4 DETOURS | STANDARD DETOUR SIGNS | |

| TRAFFIC DATA | | |
|-------------------------|---------|--------|
| A.D.T. (1965) | 1086 | V.P.D. |
| A.D.T. (1965 PROJECTED) | 2652 | V.P.D. |
| TRUCKS | 9 | % |
| DESIGN SPEED | 70 | M.P.H. |
| ACCESS CONTROL | PARTIAL | |

SUBMITTED FOR APPROVAL DATE 11-3-66
William H. Cassidy
 WILLIAM H. CASSIDY
 REGISTERED PROFESSIONAL ENGINEER
 INDIANA
 RESIDENT OF INDIANA

APPROVED 11-7-66
John J. O'Connell
 JOHN J. O'CONNELL
 CHIEF ENGINEER - INDIANA STATE HIGHWAY COMMISSION



DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED
 DIVISION ENGINEER
 DATE

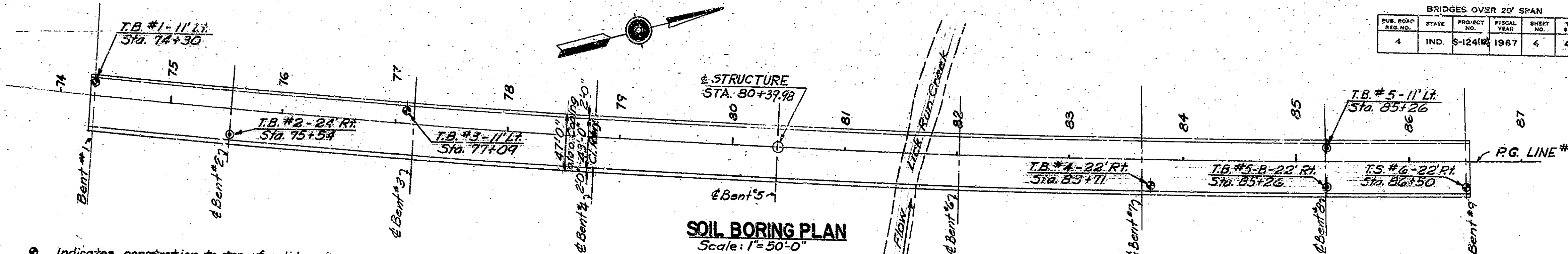
| REVISIONS | |
|-----------|-----------|
| DATE | SHEET NO. |
| 5-4-67 | 14 |
| 10-27-67 | 11 |

RECOMMENDED FOR APPROVAL 11-3-66
John J. O'Connell

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

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PUB. ROAD REG. NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 6 | 40 |

| TEST BORING No. 1 | | | |
|-------------------|-------|---------|---|
| STATION 74+30 | | | |
| OFFSET 11' LT. | | | |
| Elev. | Depth | N | Description |
| 450 | | | |
| 447.0 | 3.0 | 3/5/7 | Surface |
| 445.0 | 5.0 | 3/5/7 | Brown moist stiff silty clay |
| 442.0 | 8.0 | 3/5/7 | Brown moist stiff clayey silt |
| 435 | 15.0 | 3/5/7 | Mottled brown and gray moist very stiff to stiff silty clay |
| 430 | 20.0 | 3/5/7 | Gray moist stiff clayey silt |
| 425 | 25.0 | 3/5/7 | Gray moist stiff clayey silt |
| 420 | 30.0 | 3/5/7 | medium stiff at 28.0 |
| 415 | 35.0 | 3/5/7 | Surface |
| 414.4 | 35.6 | 3/5/7 | Brown moist medium stiff silty clay |
| 410.9 | 39.1 | 3/5/7 | Brown moist medium stiff sandy clay |
| 410 | 40.0 | 3/5/7 | Gray moist stiff silty clay |
| 405 | 45.0 | 4/6/8 | (2" silt layer at 11.0') |
| 400 | 50.0 | 3/5/7 | Gray moist medium dense clayey silt |
| 395 | 55.0 | 4/8/10 | very stiff below 52.0 |
| 390 | 60.0 | 4/12/12 | Gray moist very stiff to stiff silty clay |
| 385 | 65.0 | 4/12/12 | Gray moist very stiff silty clay |
| 380 | 70.0 | 7/11/13 | Gray moist very stiff silty clay |
| 375 | 75.0 | 5/12/14 | hard below 72.0 |
| 370 | 80.0 | 7/11/13 | Gray moist very stiff silty clay |
| 365 | 85.0 | 9/13/17 | Hard at 52.0 |
| 360 | 90.0 | 7/11/13 | Stiff below 57.0 |
| 355 | 95.0 | 7/11/13 | Gray moist medium dense sandy silt |
| 350 | 100.0 | 7/11/13 | Brown wet medium dense silty sand and gravel |
| 345 | 105.0 | 3/4/8 | Bottom of hole (Auger refusal) |



● Indicates penetration to top of solid rock.
 ⊙ Indicates penetration 5' into solid rock.

| TEST BORING No. 2 | | | | TEST BORING No. 3 | | | | TEST BORING No. 4 | | | |
|-------------------|---------|---------|--|-------------------|---------|----------------|---|-------------------|---------|----------------|--|
| STATION 75+54 | | | | STATION 77+09 | | | | STATION 83+71 | | | |
| OFFSET 24' RT. | | | | OFFSET 11' LT. | | | | OFFSET 22' RT. | | | |
| Elev. | Depth | N | Description | Elev. | Depth | N | Description | Elev. | Depth | N | Description |
| 416.4 | Surface | | Surface | 416.1 | Surface | | Surface | 416.1 | Surface | | Surface |
| 414.4 | 2.6 | 1/3/5 | Brown moist medium stiff silty clay | 410.0 | Surface | | Surface | 411.1 | 5.0 | 7/8/10 | Brown moist medium stiff to very stiff silty clay |
| 410.9 | 5.5 | 3/3/4 | Brown moist medium stiff sandy clay | 410.0 | Surface | | Surface | 411.1 | 5.0 | 7/8/10 | Brown moist very stiff silty clay with limestone fragments |
| 410 | 7.0 | 3/6/8 | Gray moist stiff silty clay | 410.0 | Surface | | Surface | 406.1 | 10.0 | 4/7/8 | Brown moist stiff silty clay |
| 405 | | 4/6/8 | (2" silt layer at 11.0') | 405.0 | 2.3 | 4/5/6 | Brown moist stiff silty clay | 403.1 | 15.0 | 3/5/7 | Gray moist medium stiff silty clay |
| 400 | | 3/3/8 | Gray moist medium dense clayey silt | 400.0 | 10.0 | 3/3/4 | medium stiff at 10.0 | 396.1 | 20.0 | 10/13/14 | Mottled gray and brown moist very stiff silty clay |
| 395 | | 4/9/11 | very stiff below 52.0 | 392.0 | 12.0 | 2/4/7 | Gray moist stiff silty clay | 392.1 | 24.0 | 5/5/7 | Gray moist stiff silty clay with limestone fragments |
| 390 | | 4/6/8 | Gray moist very stiff to stiff silty clay | 388.0 | 22.0 | 3/5/7 | (Water at 24.0) | 387.1 | 29.0 | 10/12 | Brown moist very stiff silty clay with limestone fragments |
| 385 | | 9/11/13 | Gray moist very stiff silty clay | 386.4 | 30.0 | 5/9/10 | Gray moist stiff to very stiff clayey silt with sand lens | 374.1 | 42.0 | 12/12 | Brown wet very stiff to medium stiff clay with cobbles and limestone fragments |
| 380 | 38.0 | 6/7/9 | Gray moist very stiff silty clay | 378.0 | 32.0 | 6/10/11 | Gray moist very stiff silty clay | 366.1 | 50.0 | 9/13 | Brown wet medium dense sand & gravel with limestone fragments |
| 375 | | 7/11/13 | Gray moist very stiff silty clay | 372.0 | 38.0 | 4/10/10 | Gray moist very stiff silty clay | 361.4 | 54.7 | Bottom of hole | Bottom of hole |
| 370 | | 5/12/14 | hard below 72.0 | 372.0 | 38.0 | 4/10/10 | Gray moist very stiff silty clay | 361.4 | 54.7 | Bottom of hole | Bottom of hole |
| 365 | | 9/13/17 | Hard at 52.0 | 358.0 | 32.0 | 5/8/9 | Gray moist stiff to very stiff clayey silt | 346.1 | 50.0 | 9/13 | Brown wet medium dense sand & gravel with limestone fragments |
| 360 | | 7/11/13 | Stiff below 57.0 | 358.0 | 32.0 | 5/8/9 | Gray moist stiff to very stiff clayey silt | 346.1 | 50.0 | 9/13 | Brown wet medium dense sand & gravel with limestone fragments |
| 355 | 355.0 | 7/11/13 | Gray moist medium dense sandy silt | 358.0 | 32.0 | 5/8/9 | Gray moist stiff to very stiff clayey silt | 346.1 | 50.0 | 9/13 | Brown wet medium dense sand & gravel with limestone fragments |
| 350 | | 7/11/13 | Brown wet medium dense silty sand and gravel | 358.0 | 32.0 | 5/8/9 | Gray moist stiff to very stiff clayey silt | 346.1 | 50.0 | 9/13 | Brown wet medium dense sand & gravel with limestone fragments |
| 345 | | 3/4/8 | Bottom of hole (Auger refusal) | 344.6 | 71.8 | 3/4/8 | Gray moist medium dense silty fine sand | 344.6 | 71.8 | 3/4/8 | Gray moist hard silty clay with limestone frag. |
| | | 3/4/8 | Bottom of hole (Auger refusal) | 342.6 | 73.8 | R.C. | Broken Limestone | 342.6 | 73.8 | R.C. | Broken Limestone |
| | | 3/4/8 | Bottom of hole (Auger refusal) | 339.6 | 76.8 | 76% | Limestone | 339.6 | 76.8 | 76% | Limestone |
| | | 3/4/8 | Bottom of hole (Auger refusal) | 339.6 | 76.8 | Bottom of hole | Bottom of hole | 339.6 | 76.8 | Bottom of hole | Bottom of hole |

| TEST BORING No. 5 | | | | TEST BORING No. 5B | | | |
|-------------------|-------|---------|---|--------------------|-------|---------|---|
| STATION 85+26 | | | | STATION 85+26 | | | |
| OFFSET 11' LT. | | | | OFFSET 22' RT. | | | |
| Elev. | Depth | N | Description | Elev. | Depth | N | Description |
| 460 | 439.9 | Surface | Surface | 460 | 439.9 | Surface | Surface |
| 455 | 441.1 | 3/2/6 | Brown moist medium stiff to very stiff silty clay with boulders and gravel. | 455 | 441.1 | 3/2/6 | Brown moist medium stiff to very stiff silty clay with boulders and gravel. |
| 450 | 442.9 | 10.0 | RC-100% Brown layered hard sandy limestone | 450 | 442.9 | 10.0 | RC-100% Brown layered hard sandy limestone |
| 445 | 444.1 | 15.3 | RC-100% Brown layered hard sandy limestone | 445 | 444.1 | 15.3 | RC-100% Brown layered hard sandy limestone |
| 440 | 440.9 | 19.0 | RC-100% Brown layered hard sandy limestone | 440 | 440.9 | 19.0 | RC-100% Brown layered hard sandy limestone |
| 435 | 442.9 | 12.0 | (Cavity 19.6-19.5' lost water at 19.5') | 435 | 442.9 | 12.0 | (Cavity 20.0-21.0') |
| 430 | 442.9 | 20.0 | (Broken limestone from 21.0'-50.0') | 430 | 442.9 | 20.0 | (Broken limestone from 21.0'-50.0') |
| 425 | 442.9 | 25.0 | Gray layered limestone with clay seams | 425 | 442.9 | 25.0 | Gray layered limestone with clay seams |
| 420 | 442.9 | 30.0 | very stiff at 25.0' | 420 | 442.9 | 30.0 | very stiff at 25.0' |
| 415 | 442.9 | 35.0 | Layered limestone with clay seams | 415 | 442.9 | 35.0 | Layered limestone with clay seams |
| 410 | 442.9 | 40.0 | Bottom of hole | 410 | 442.9 | 40.0 | Bottom of hole |
| 405 | 442.9 | 45.0 | Bottom of hole | 405 | 442.9 | 45.0 | Bottom of hole |

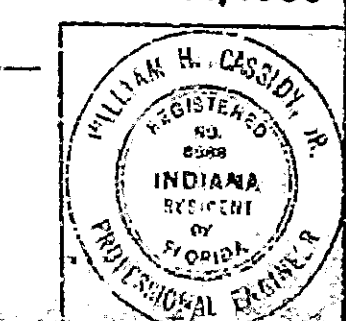
| TEST SOUNDING No. 6 | | | |
|---------------------|---------|---|---|
| STATION 86+50 | | | |
| OFFSET 22' RT. | | | |
| Elev. | Depth | N | Description |
| 505 | | | |
| 502.3 | Surface | | Surface |
| 500 | | | Brown moist medium stiff silty clay with gravel and boulders. |
| 498.4 | 3.9 | | Bottom of hole |
| 495 | | | (Sounding made with pick and shovel) |

NOTE:
 N indicates the number of blows per foot in standard penetration test driving of 2" O.D. sampler with 140 lb. hammer falling 30 in. Count made at 6" intervals. RC denotes rock core.
 ▽ Indicates free ground water elevation

SOIL BORING LOG
 Vert. Scale: 1" = 6'-0"

SOIL BORINGS INDIANA STATE HIGHWAY COMMISSION HARRISON COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 OCTOBER 14, 1966
 PROJECT: S-124(12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763



DESIGNED: CYD
 DRAWN: W.H.C. CKD L.R.C.
 TRACED: CYD

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-----------|-------|--------|--------|
| FILE/ROAD | STATE | PROJECT | SHEET | TOTAL | |
| NO. | | NO. | NO. | SHEETS | SHEETS |
| 4 | IND. | S-124(12) | 198-7 | 4A | 4C |

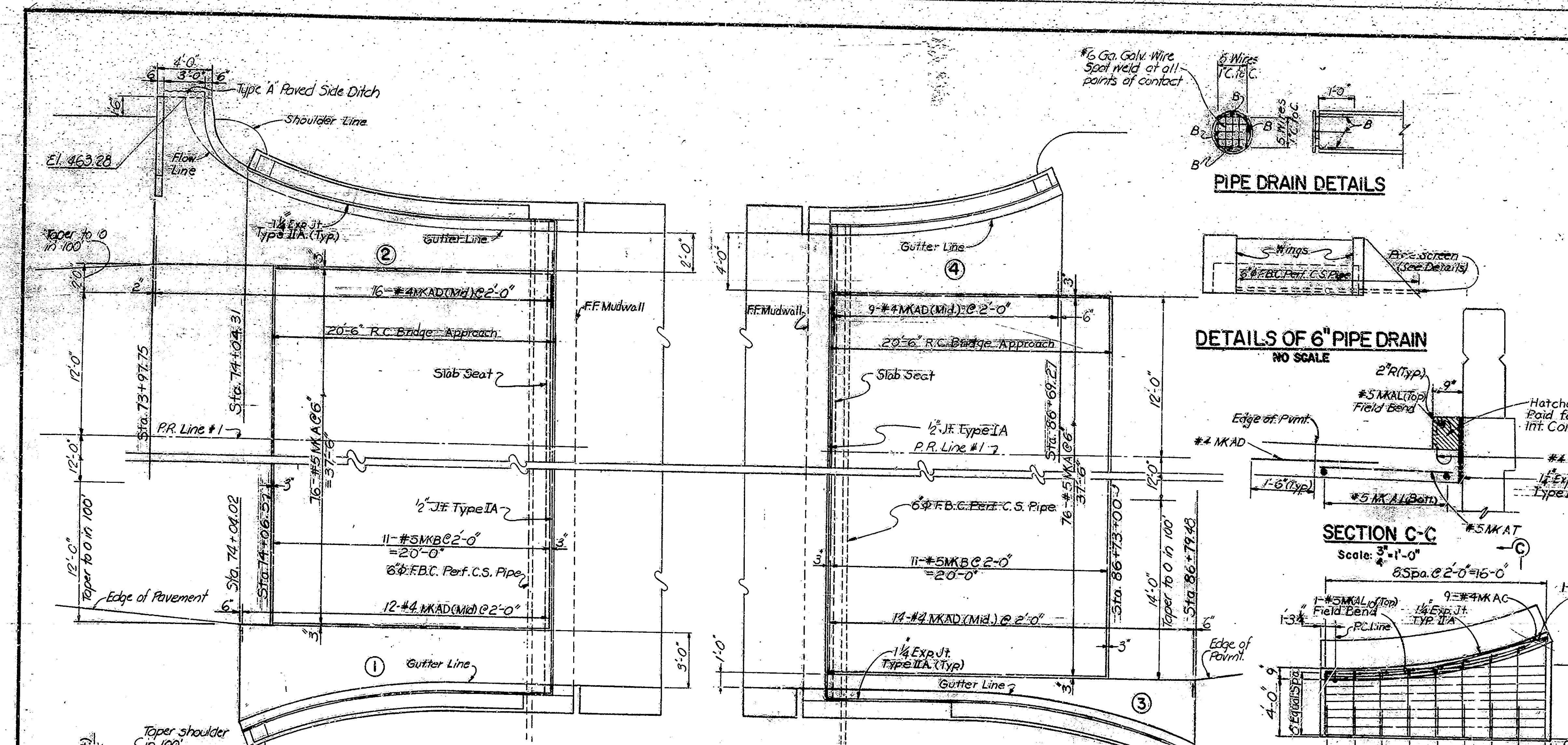
BILL OF MATERIALS
REINFORCING STEEL

| MARK | SIZE | NO OF BARS | LENGTH | WEIGHT |
|------|------|------------|-------------------------|--------|
| AT1 | #5 | 2 | 22'-6" | |
| 2 | | 2 | 10'-0" | |
| 3 | | 4 | 20'-10" | |
| 4 | | 1 | 10'-0" | |
| 5 | | 1 | 18'-0" | |
| 6 | | 1 | 23'-0" | |
| 7 | | 2 | 26'-6" | |
| 8 | | 1 | 17'-0" | |
| 10 | | 1 | 9'-0" | |
| 11 | | 10 | 16'-6" | |
| 12 | | 1 | 9'-0" | |
| 13 | | 1 | 11'-0" | |
| 14 | | 1 | 11'-0" | |
| 15 | | 1 | 11'-0" | |
| 16 | | 2 | 5'-6" | |
| 17 | | 3 | 10'-0" | |
| 18 | | 3 | 3'-9" | |
| 19 | | 7 | 1'-6" | |
| 20 | | 1 | 1'-3" | |
| 21 | | 1 | 1'-11" | |
| 22 | | 1 | 2'-3" | |
| 23 | | 1 | 2'-6" | |
| 24 | | 1 | 3'-3" | |
| 25 | | 1 | 3'-3" | |
| 26 | | 1 | 2'-6" | |
| 27 | | 1 | 2'-9" | |
| 28 | | 1 | 2'-3" | |
| 29 | | 1 | 2'-3" | |
| 30 | | 1 | 2'-3" | |
| 31 | | 1 | 2'-3" | |
| 32 | | 1 | 6'-9" | |
| 33 | | 1 | 7'-6" | |
| KA | | 122 | 20'-7" | |
| KB | | 22 | 31'-6" | |
| | | | Total #5 | 504.0 |
| KA | #4 | 42 | 2'-3" | |
| KB | #4 | 57 | 3'-0" | |
| | | | Total #4 | 186.0 |
| | | | Total Reinforcing Steel | 5226.0 |

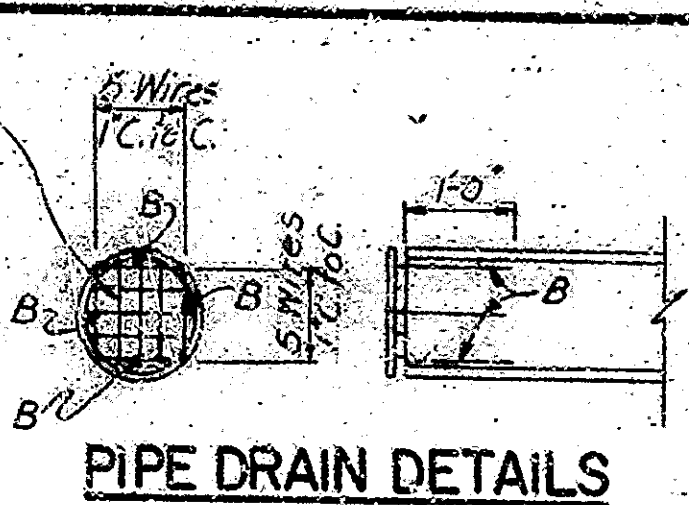
MISCELLANEOUS

| | |
|--------------------------|--------|
| R.C. Pavement | 250.57 |
| 14' Exp. Joint Type II-A | 97.17 |
| 12' Exp. Joint Type I-A | 99.17 |
| Integral Curb Walk | 22.67 |

For additional details see B-Std Hg

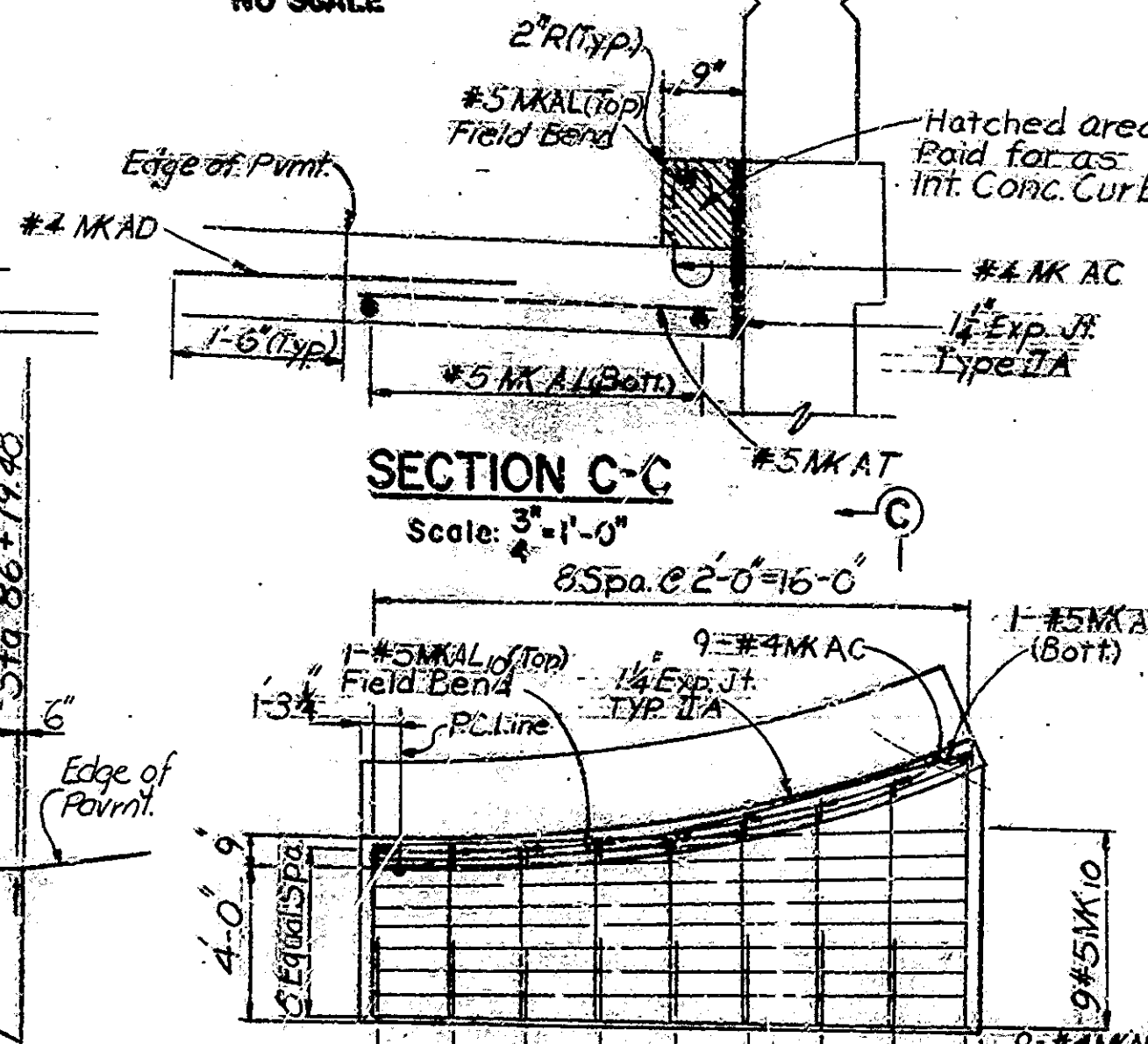


PLAN
Scale: 1/4" = 1'-0"

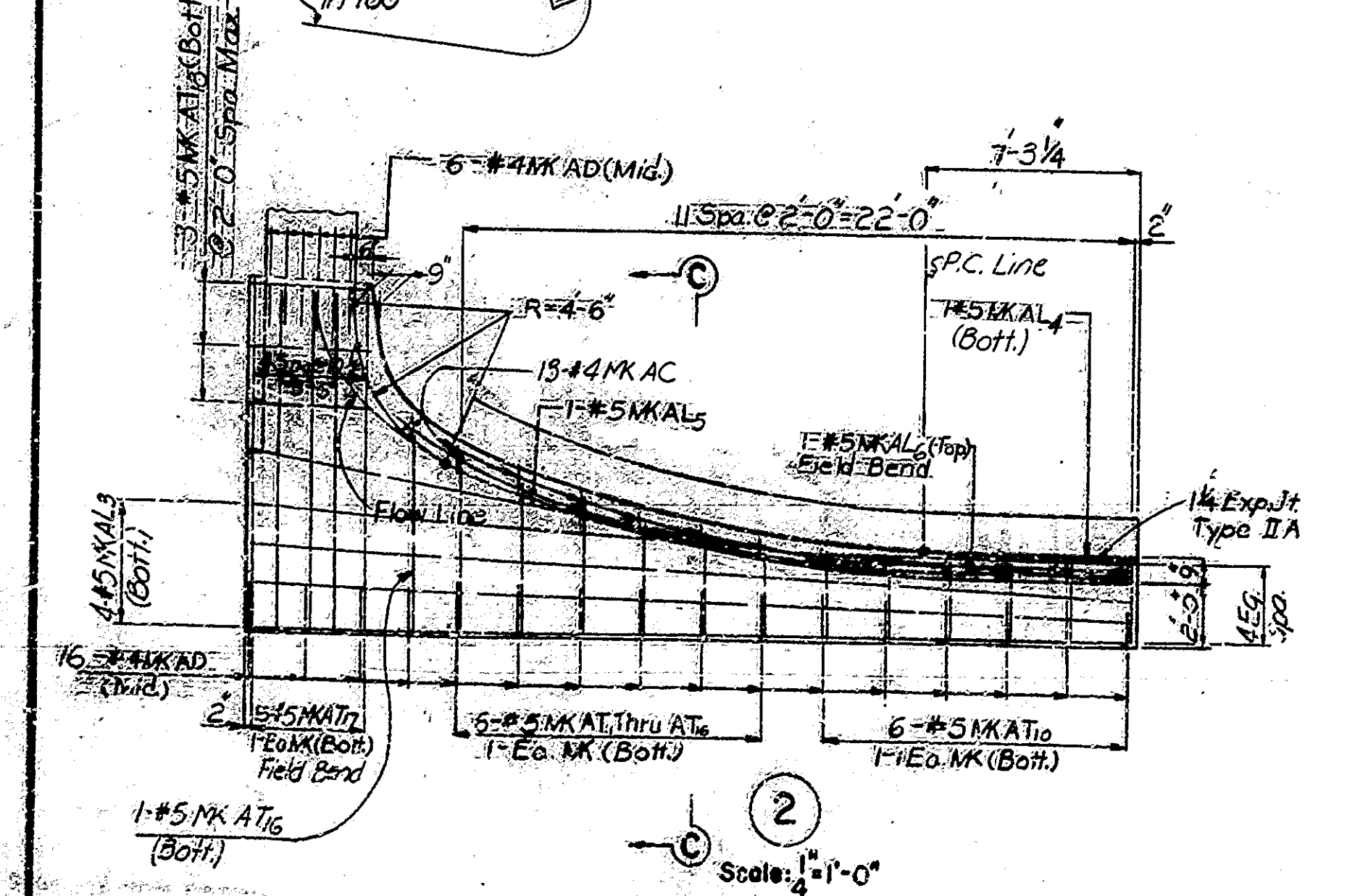


PIPE DRAIN DETAILS

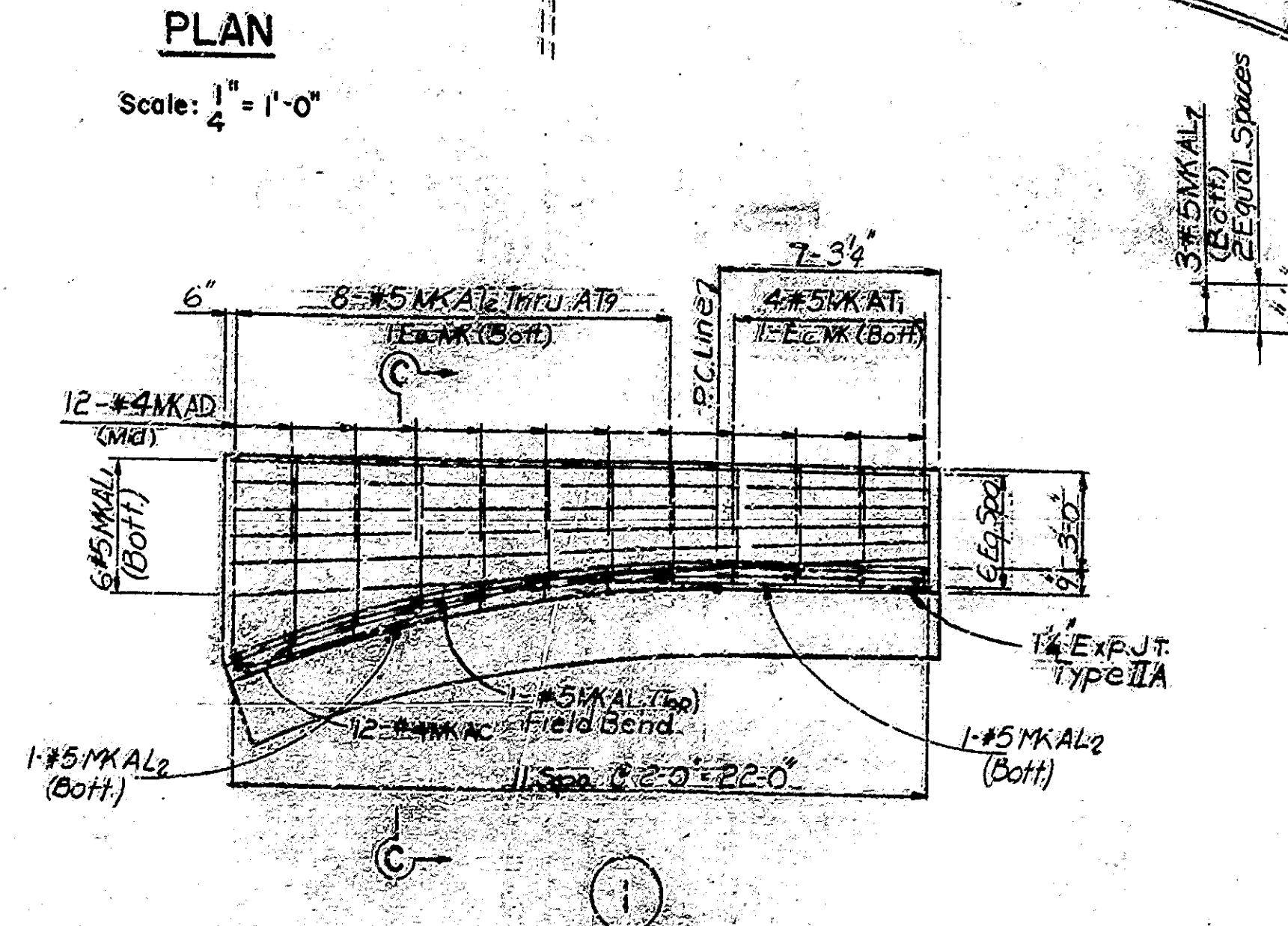
DETAILS OF 6" PIPE DRAIN
NO SCALE



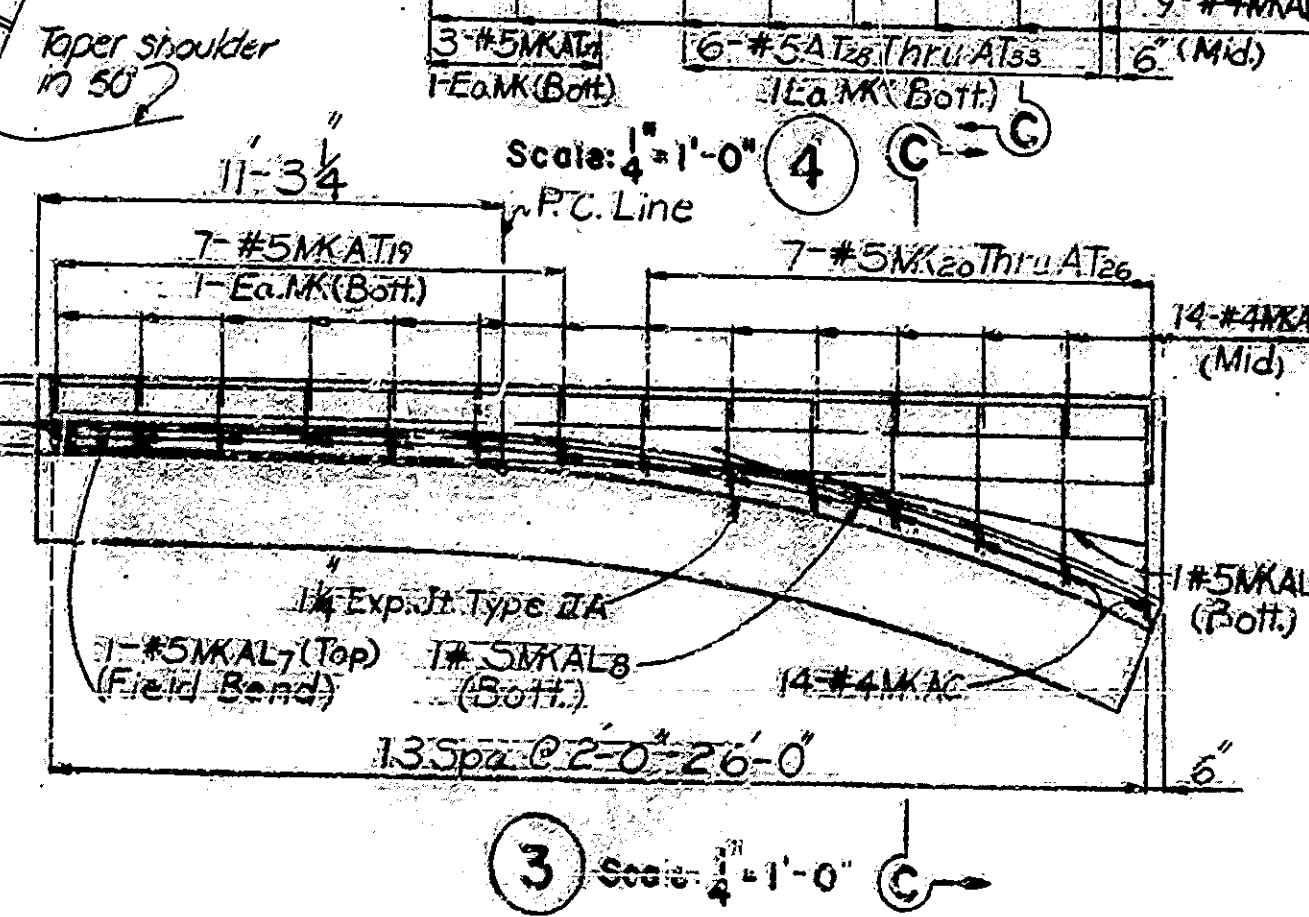
SECTION C-C
Scale: 3/4" = 1'-0"



2
Scale: 1/4" = 1'-0"



3
Scale: 1/4" = 1'-0"



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

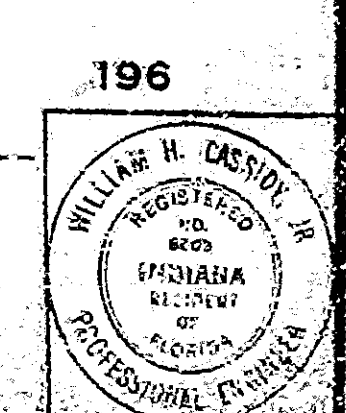
APPROACH DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED

SUBMITTED FOR APPROVAL: *William H. Cassidy*

PROJECT: S-124(12)
BRIDGE CONTRACT NO. B-7265
BRIDGE FILE 138-AS-5763



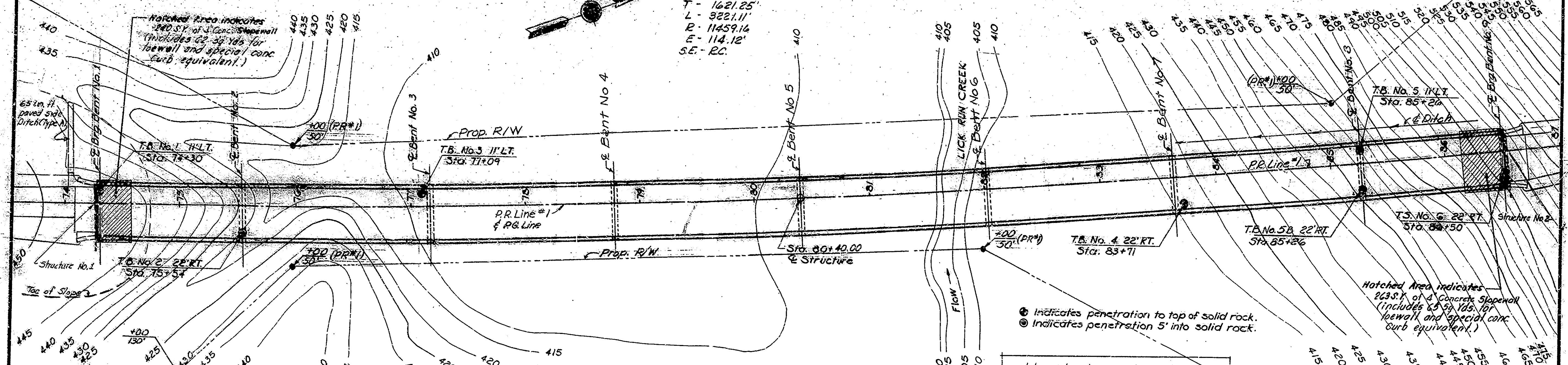
| | |
|----------|------|
| DESIGNED | CHKD |
| DRAWN | CHKD |
| TRACED | CHKD |

SECTION 33 T5S R3E.
HETH TOWNSHIP
HARRISON COUNTY

HORIZ. CURVE DATA - P.R. Line #1
 P.I. - Sta. 89+29.07
 Δ - 16°-06'-20"
 D - 0°-30'
 T - 1621.25'
 L - 3221.11'
 R - 11459.14'
 E - 114.12'
 S.E. - R.C.

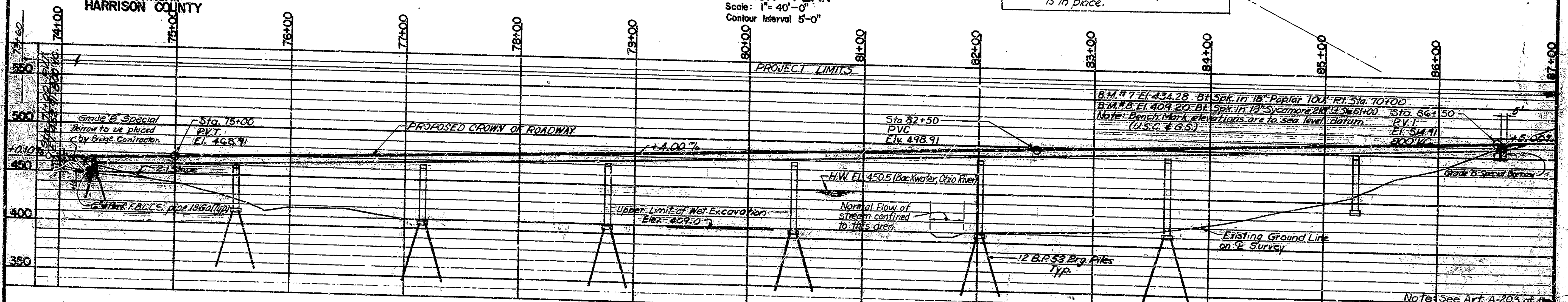
VADA B. CARVER et al

| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|---------------|--------|-------|--------|
| STATE | PROJECT | FISCAL | SHEET | TOTAL |
| NO. | NO. | YEAR | NO. | SHEETS |
| 4 | IND. 5-124-12 | 1967 | 5 | 40 |



SITUATION PLAN
 Scale: 1" = 40'-0"
 Contour Interval 5'-0"

Note: Fill not to be placed above Bridge Seat until Superstructure is in place.



PROFILE ON & SURVEY
 Scale Horiz. 1" = 40'-0"
 Vert. 1" = 50'-0"

LAYOUT
CONTINUOUS WELDED PLATE GIRDER BRIDGE
 8 SPANS - 127', 6 at 161', 127'

9" CURBS; 43'-0" RDWY.; 0°-30' CURVE LT.
 S.R. 135 OVER LICK RUN CREEK

INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Carver*
 OCTOBER 14, 1966

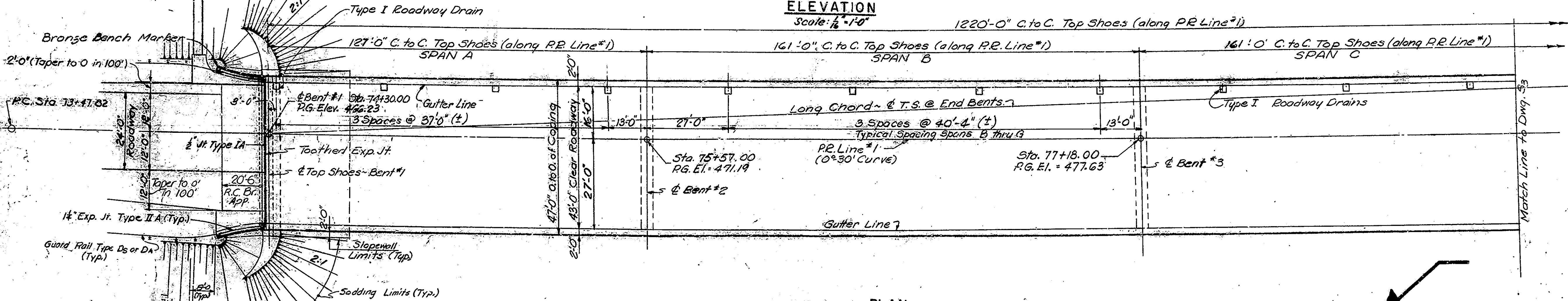
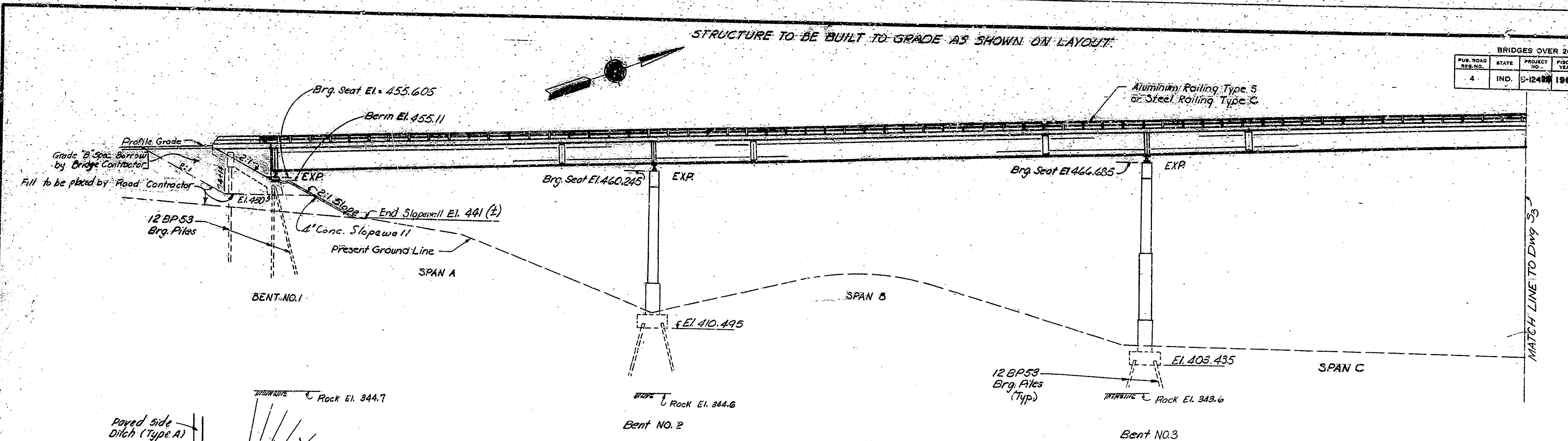
DRAWING: S1 OF 26
 PROJECT: S-124(12) STATION 30+40.00
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763



DESIGNED: E.T.C. C.T.D.
 DRAWN: E.T.C. C.T.D.
 TRACED: C.T.D.

Note: Do not construct Bents 8 or 9 until all rock excavation has been completed at north end to Sta. 87+50.

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|---------|--------|-------|--------|
| PUB. ROAD | STATE | PROJECT | FISCAL | SHEET | TOTAL |
| NO. | | NO. | YEAR | NO. | SHEETS |
| 4 | IND. | 5-124 | 1967 | 6 | 40 |



GENERAL NOTES

No present structure at proposed bridge site.
Depth of footings to be extended if found necessary. See Art. B403.2(a) Specifications.
Footings shall extend minimum of 6" into solid rock.
Reinforcing steel shall not be ordered until rock is uncovered.
Piles shall be driven to approximate refusal.
Reinforcing steel covering shall be 2" inches in top and 1" inch minimum in bottom of floor slabs, 3" inches in footing except bottom steel which shall be 4 inches, 1 1/2 inches for ties in columns, and 2" inches in all other parts unless noted.
Concrete in footings and solid wall portion of interior bents to be class "E".
Concrete in superstructure and end bents, including railing, wingwalls and interior bent caps, to be class "E".
Concrete in bent columns to be class "D".
Concrete in paved side ditches to be class "D".
Continuous concrete pours shall be required between construction joints as shown on detail plans.
Water proof back of mudwalls and bent wingwalls in accordance with the specifications.
Bevel forms 1/4" inch under copings and chamfer exposed edges 1" inch unless noted.
31 Roadway drains Type I to be placed as shown on drawings S2, S3 and S4.
Construct 4' Conc. Slope wall at locations shown on layout.
Tolerance in position of pile heads maximum 2" inches.
Three 1 inch expansion joints with load transfer to be placed in the pavement as shown on Bridge Std. M3.
All railings to be constructed perpendicular to grade.
The top of caps at Bent No. 1 & No. 3 shall be sealed with two coats of epoxy resin. See Special Provisions.
See Special Provisions for items included in this contract.

PLAN
Scale: 1/4" = 1'-0"

DESIGN DATA
Designed for HS20-44 Loading in accordance with 1961 AASHTO Specifications.

TYPICAL SECTION
See Sheet 2

NOTE TO FABRICATOR
ALL DIMENSIONS SHOWN ARE HORIZONTAL. FABRICATED DIMENSIONS SHALL BE CORRECTED FOR SLOPE AND GRADE

STANDARD DRAWINGS

| Bridge & Roadway Standards | Purpose |
|----------------------------|------------------------------|
| Bridge Std. C1 | Reinforcing Bar Standards |
| Bridge Std. D | Type I Roadway Drains |
| Bridge Std. U | Expansion Joint Details |
| Bridge Std. M1 | Paved Side Ditch |
| Bridge Std. M2 | R.C. Bridge Approach Details |
| Bridge Std. RI-C | Aluminum Rail Details |
| Bridge Std. RI-E | Aluminum Rail Details |
| Bridge Std. RI-F | Steel Rail Details |
| Road Std. MB2 | Road Slope Wall Details |

GENERAL PLAN
CONTINUOUS WELDED PLATE GIRDER BRIDGE
8 SPANS-127', 6 at 161', 127'
9" CURBS; 43'-0" RDWY.; 0°-30' CURVE LT.
S.R. 135 OVER LICK RUN CREEK
INDIANA STATE HIGHWAY COMMISSION
HARRISON COUNTY

SCALE: 1/8" = 1'-0"

SUBMITTED FOR APPROVAL: *William H. Cassidy*
OCTOBER 14, 1966

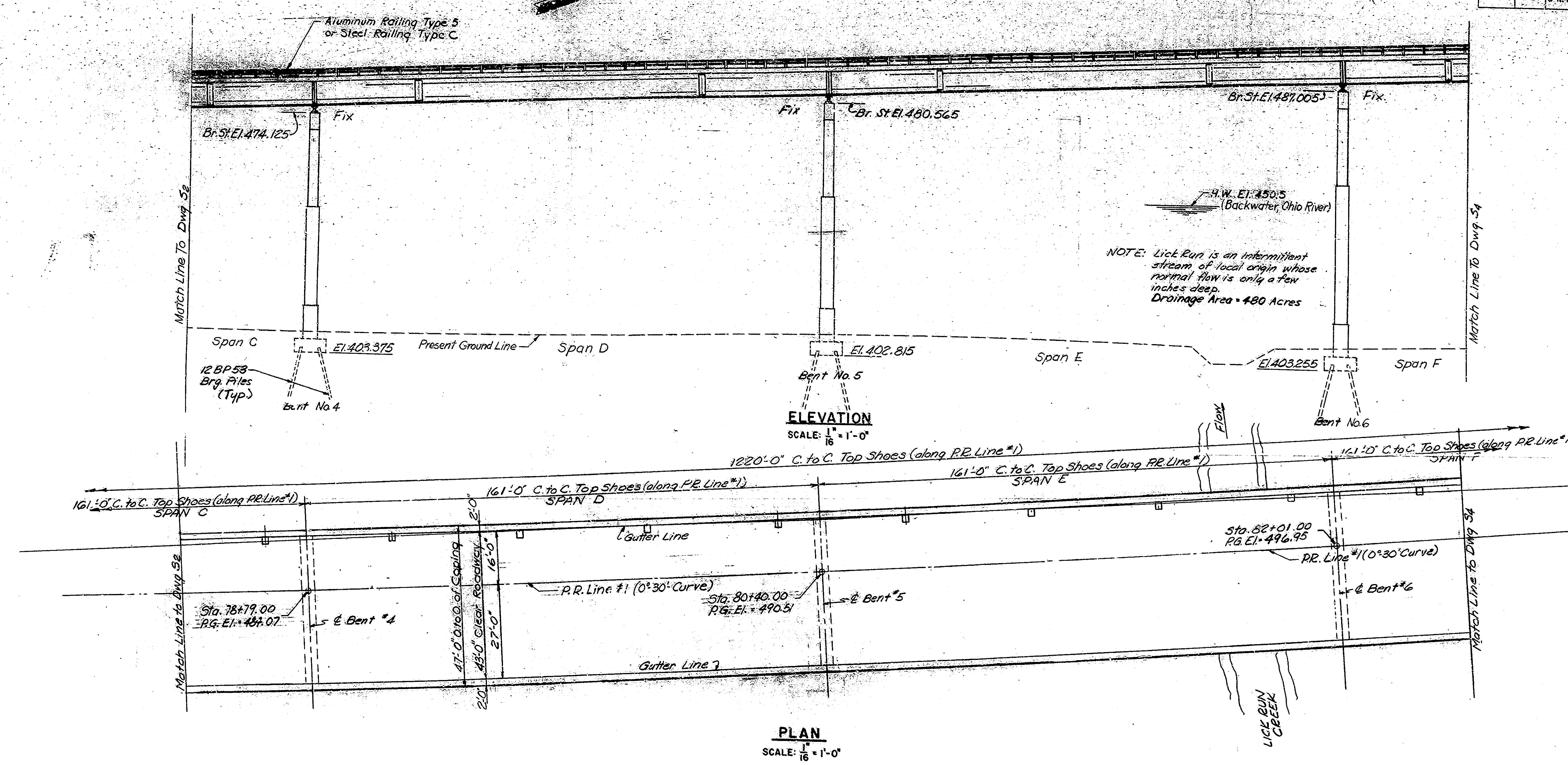
DRAWING: S2 of 26
PROJECT: S-124 (12) STATION 80+40.00
BRIDGE CONTRACT NO. B-7265
BRIDGE FILE: 135-A9-5763

DESIGNED: R.T.C. CKD
DRAWN: R.T.C. CKD
TRACED: CKD



STRUCTURE TO BE BUILT TO GRADE AS SHOWN ON LAYOUT

| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|----------------|----------------|-----------------|
| PUB. ROAD REQ. NO. | STATE | PROJECT NO. | FISCAL YEAR | TOTAL SHEETS |
| 4 | IND. | S-12402 | 1967 | 7 |
| | | | | 40 |



NOTE: Lick Run is an intermittent stream of local origin whose normal flow is only a few inches deep. Drainage Area = 480 Acres

PLAN
SCALE: 1/16" = 1'-0"

GENERAL PLAN
CONTINUOUS WELDED PLATE GIRDER BRIDGE
 8 SPANS-127', 6 at 161', 127'
 9" CURBS; 43'-0" RDWY; 0°-30' CURVE LT.
 S.R. 135 OVER LICK RUN CREEK
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 DRAWING: S3 OF 26
 PROJECT: S-124 (2) STATION: 80+40.00
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

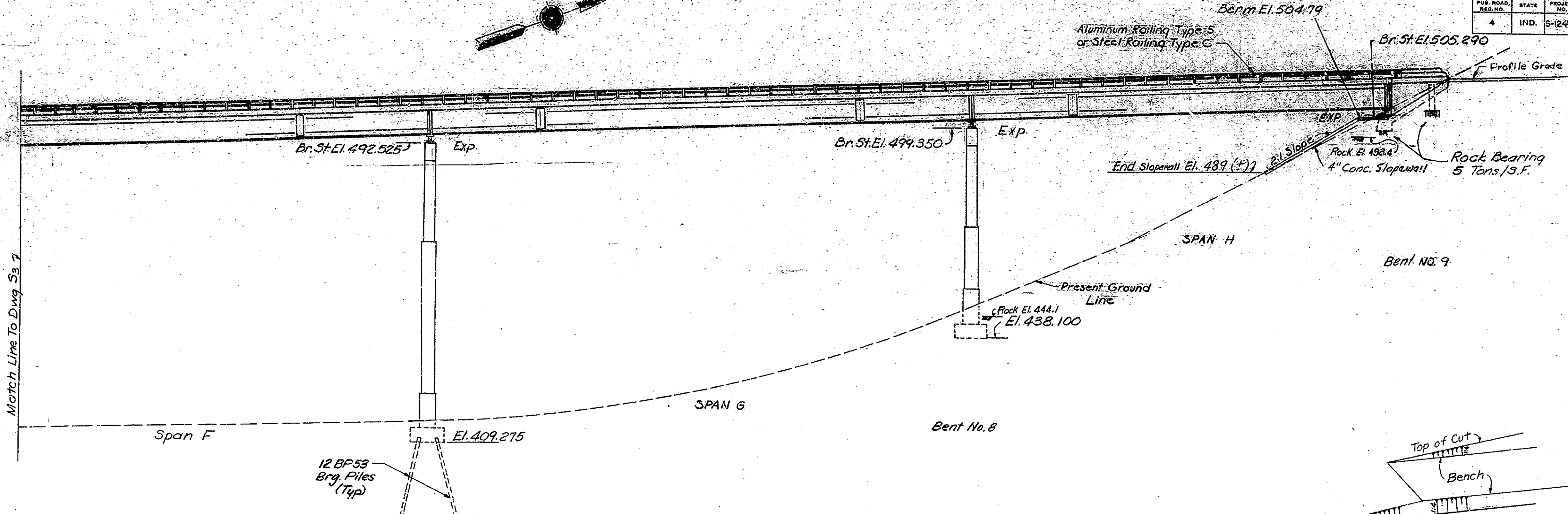
| | |
|------------------|-----|
| DESIGNED: R.T.C. | CKD |
| DRAWN: R.T.C. | CKD |
| TRACED: R.T.C. | CKD |

For other information on this bridge, see Dwg. 3 and 5.

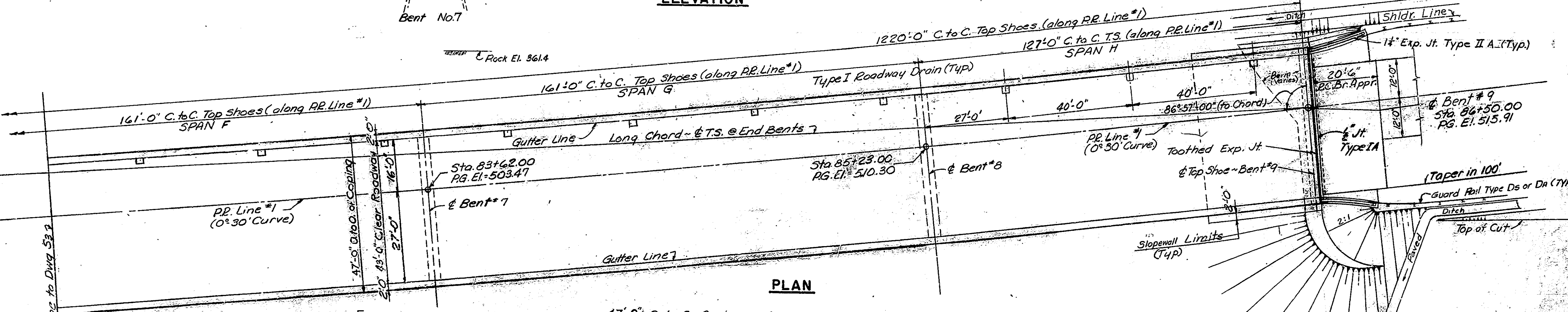


STRUCTURE TO BE BUILT TO GRADE AS SHOWN ON LAYOUT

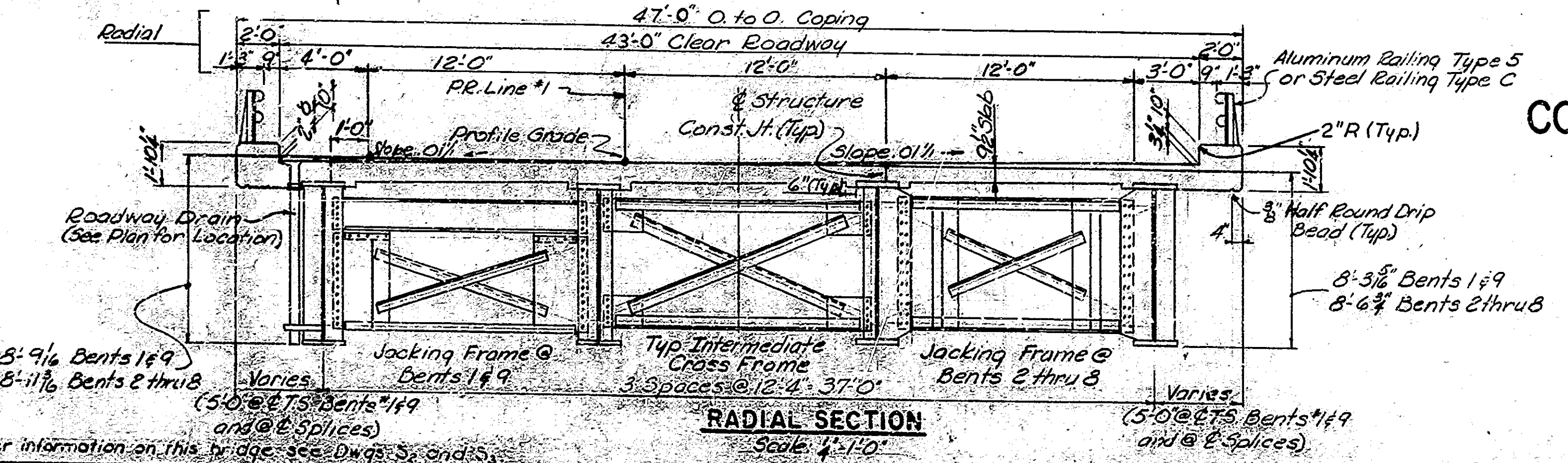
| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|-------------|-------------|--------------|
| PUB. ROAD. REG. NO. | STATE | PROJECT NO. | FISCAL YEAR | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 6 |
| | | | | 40 |



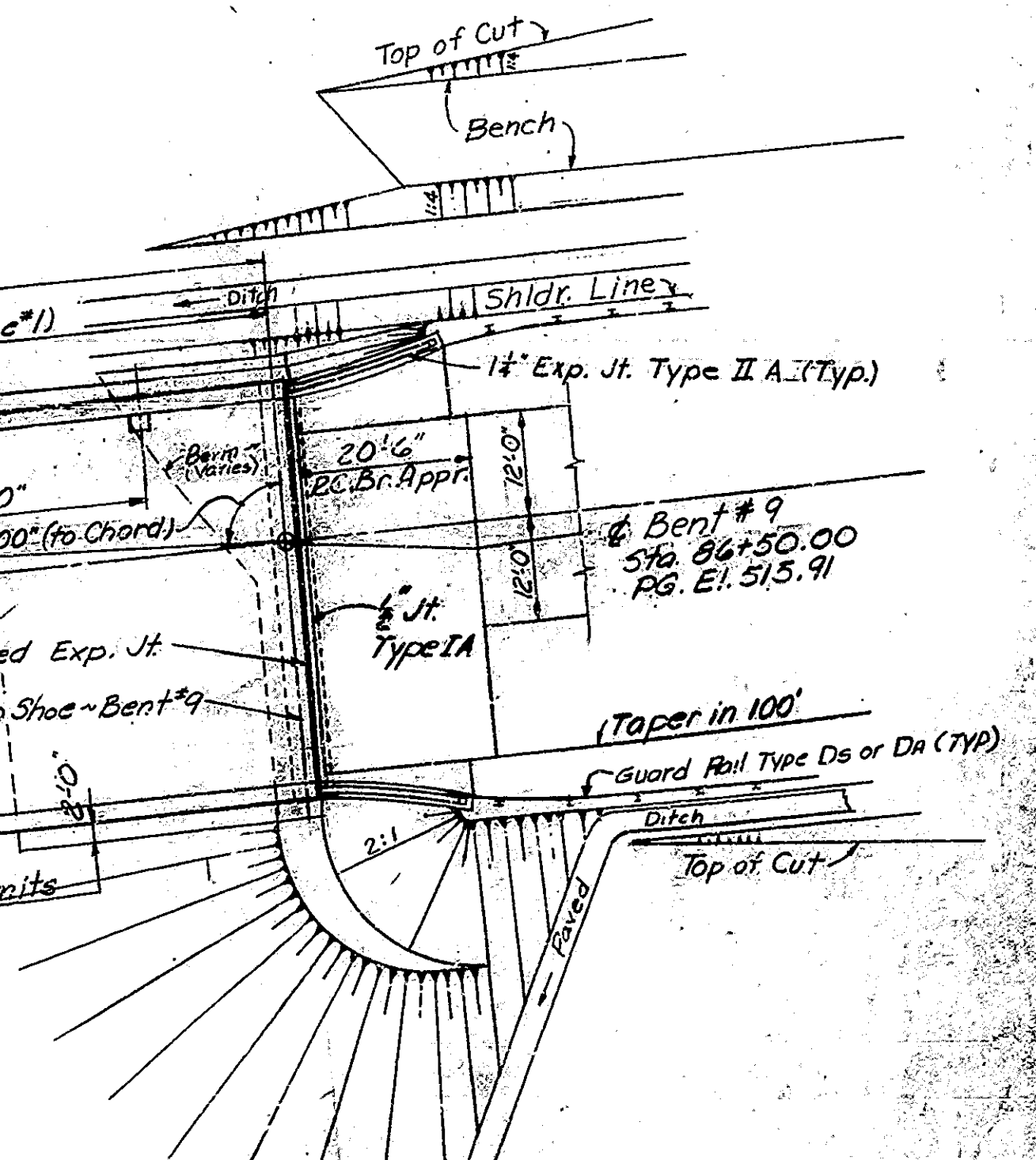
ELEVATION



PLAN



RADIAL SECTION
Scale: 1/4" = 1'-0"



GENERAL PLAN
CONTINUOUS WELDED PLATE GIRDER BRIDGE

8 SPANS - 12 ; 6 at 16 ; 12
9" CURBS; 43'-0" RDWY.; 0°-30' CURVE - LT.
S.R. 135 OVER LICK RUN CREEK

INDIANA STATE HIGHWAY COMMISSION
HARRISON COUNTY

SCALE: AS NOTED

OCTOBER 14, 1966

SUBMITTED FOR APPROVAL: *William H. Cassidy*

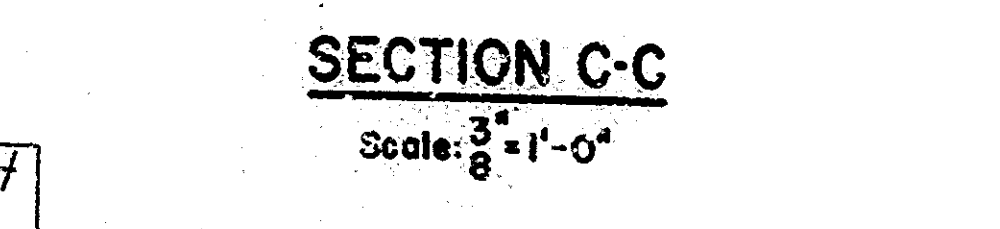
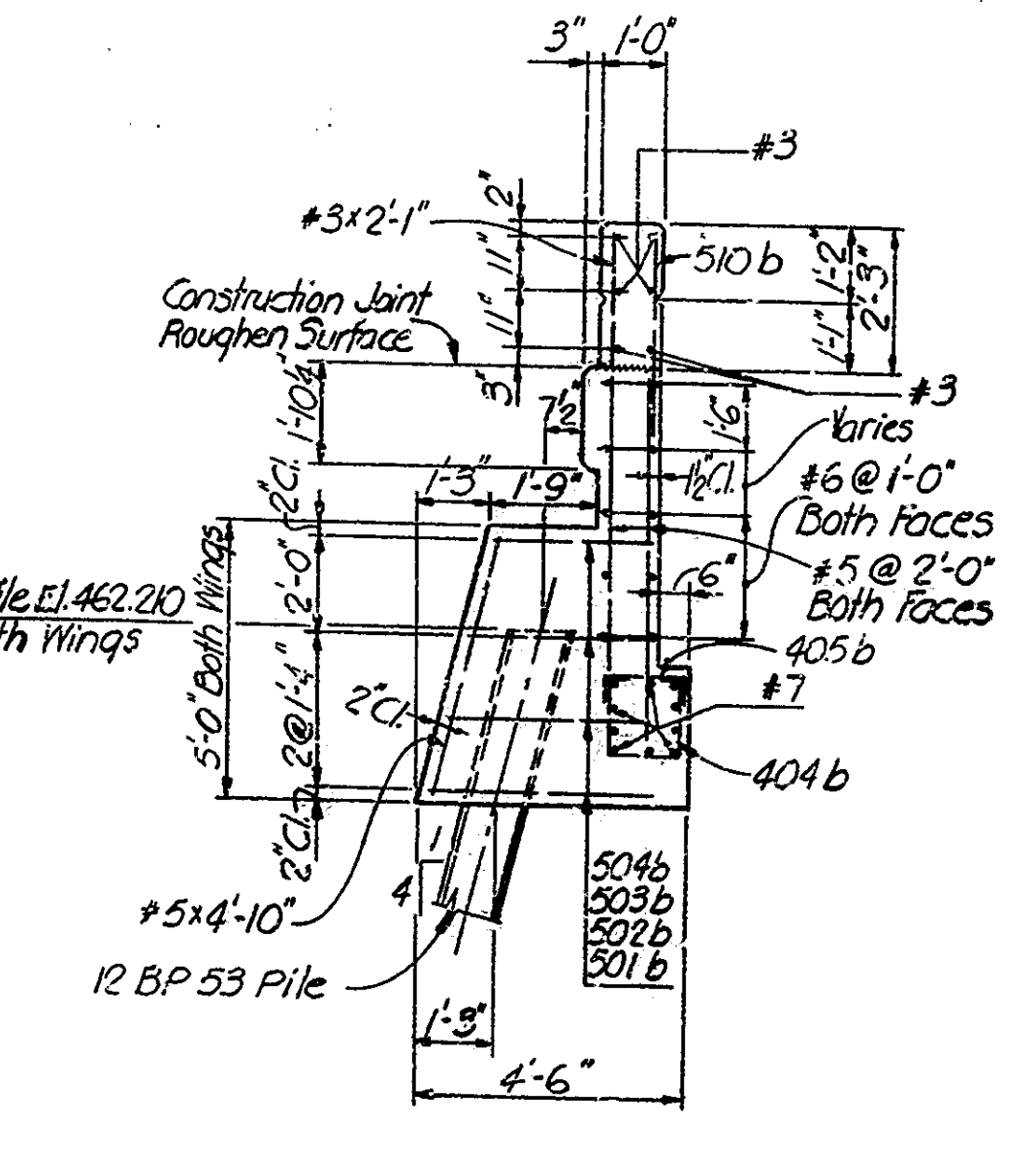
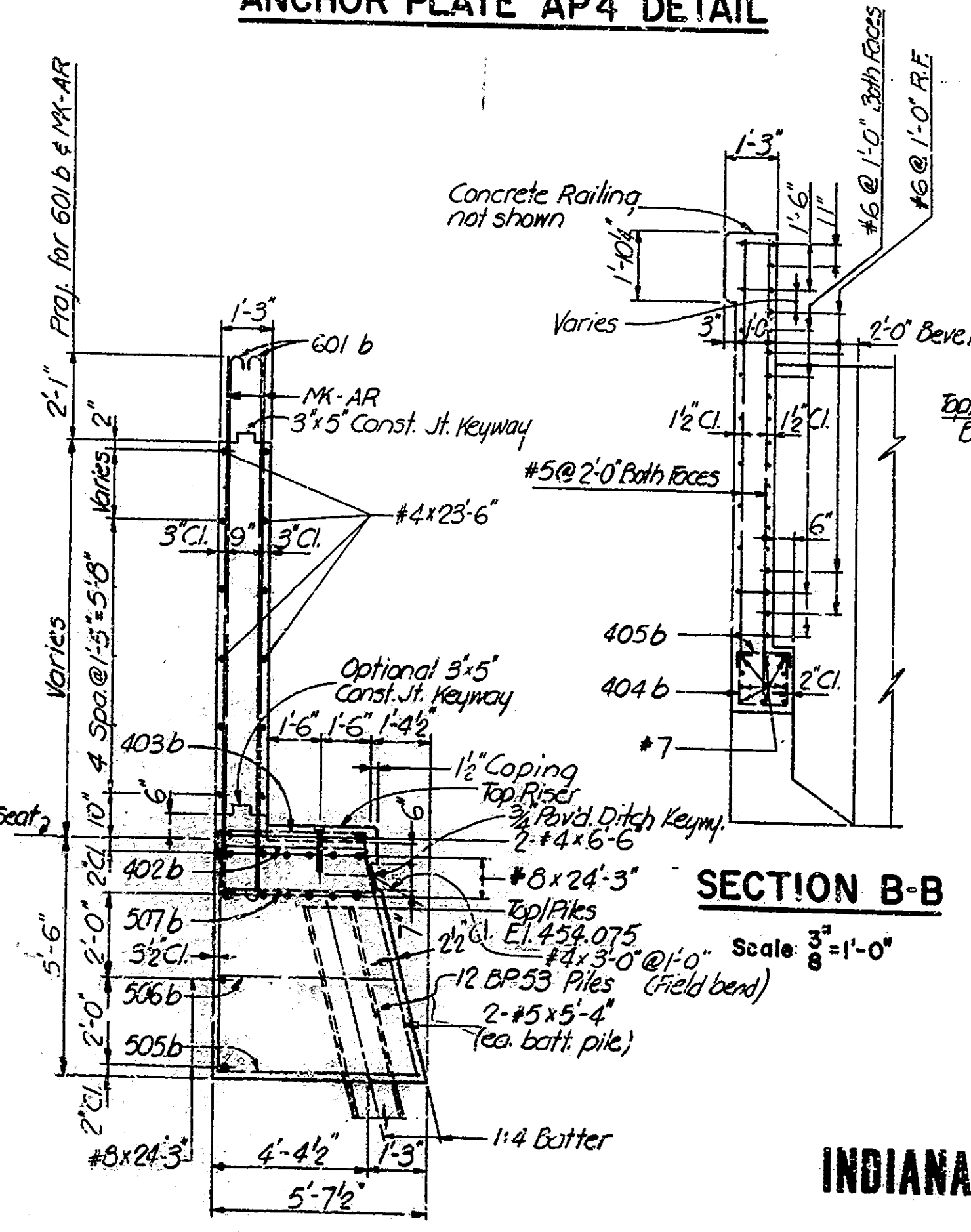
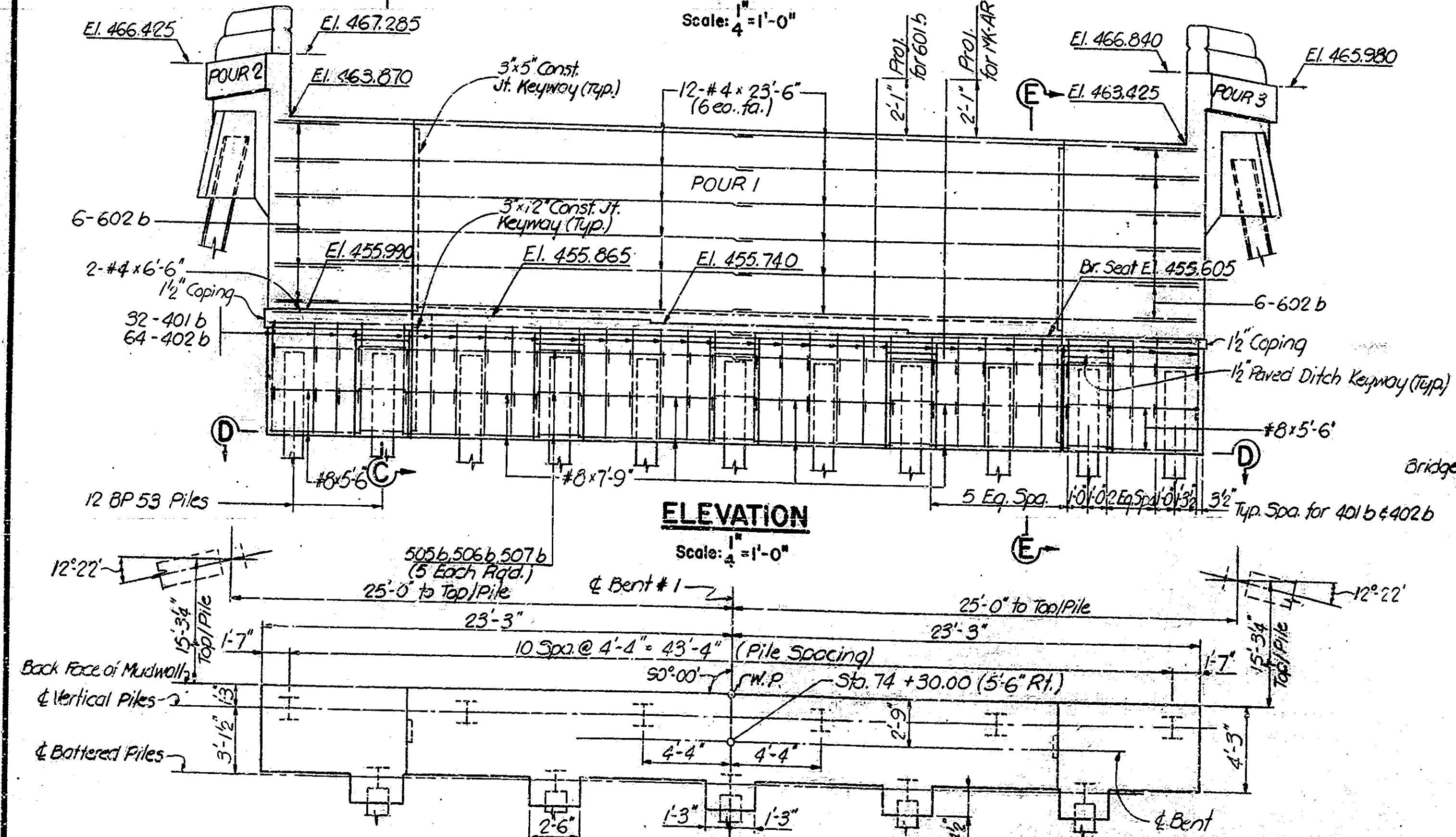
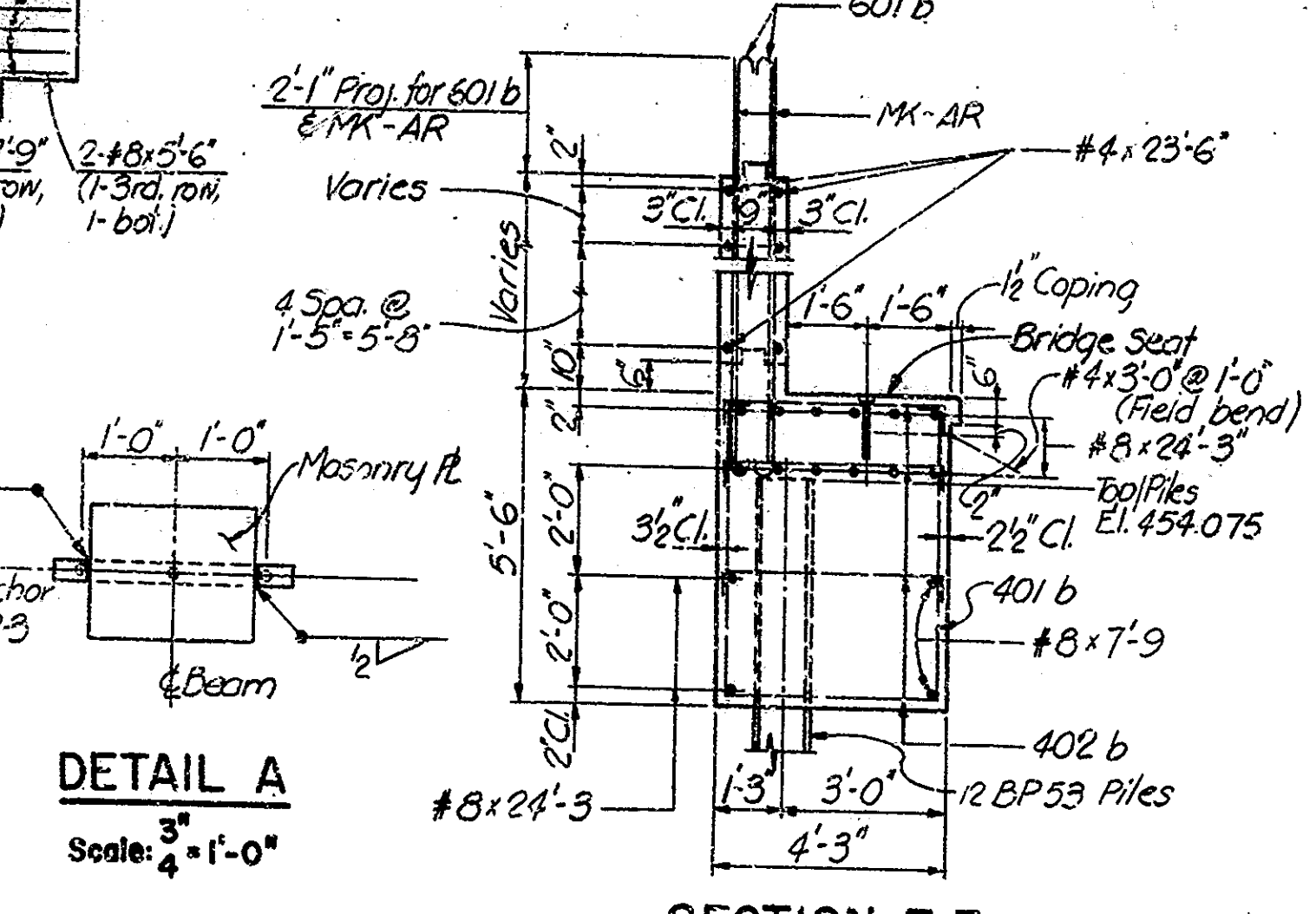
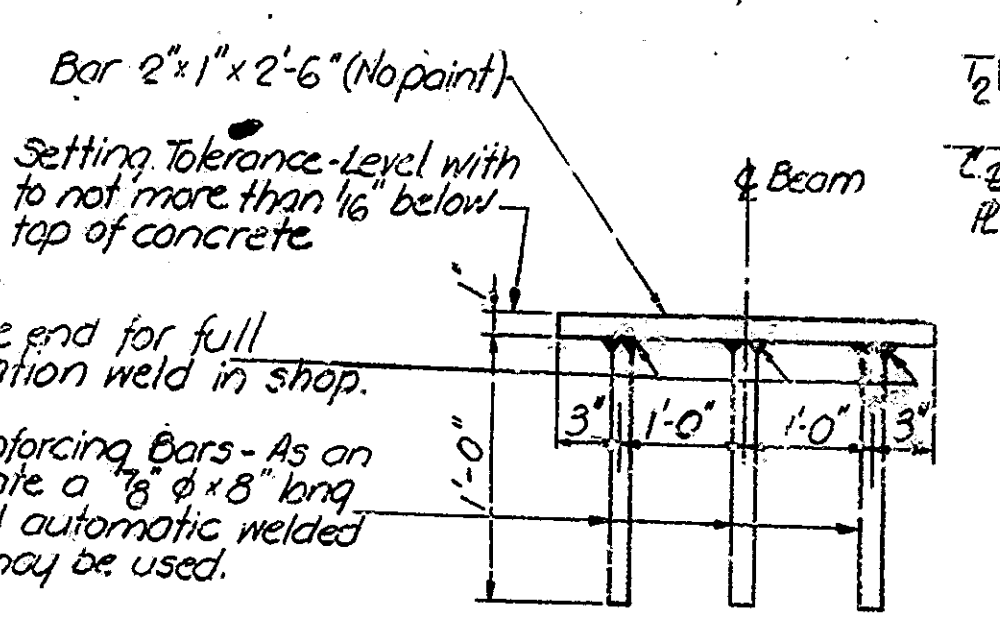
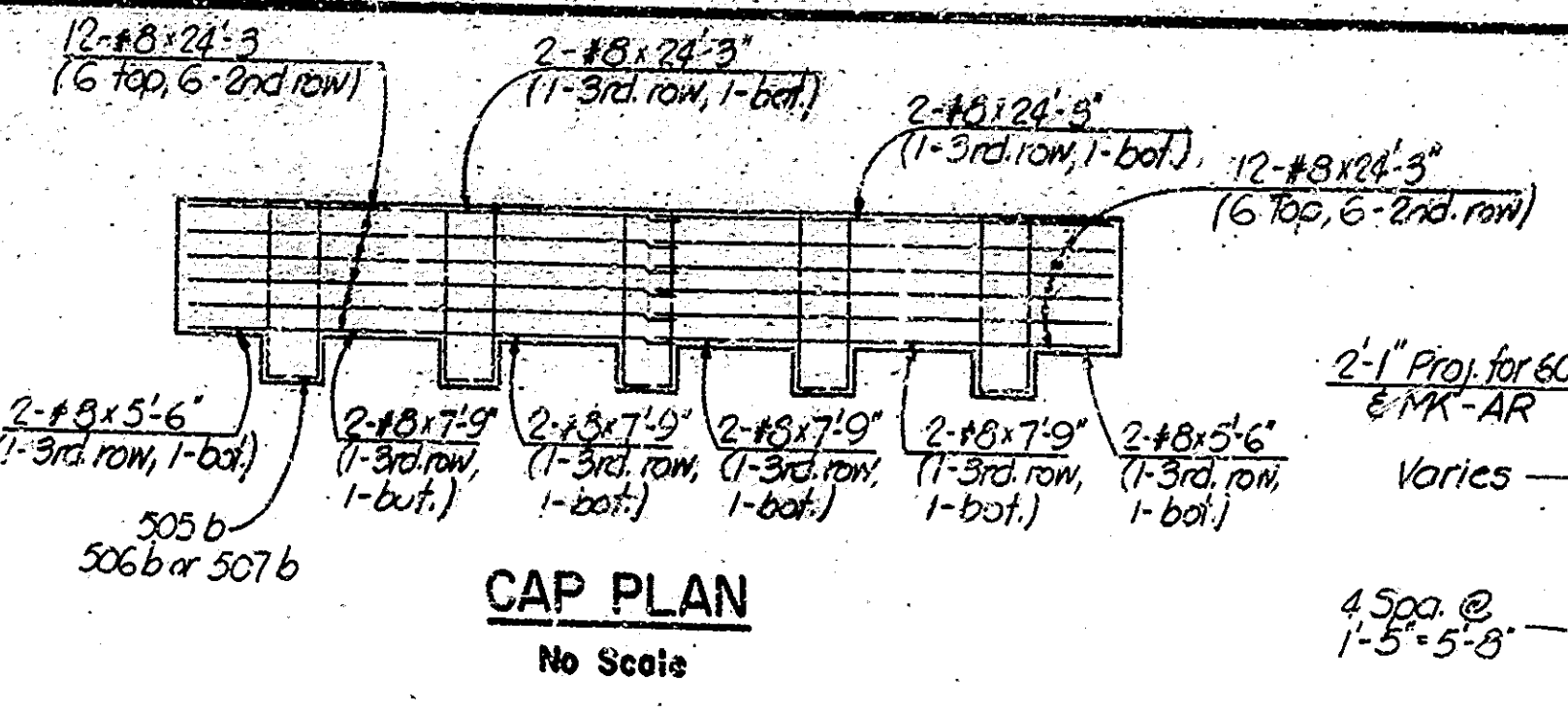
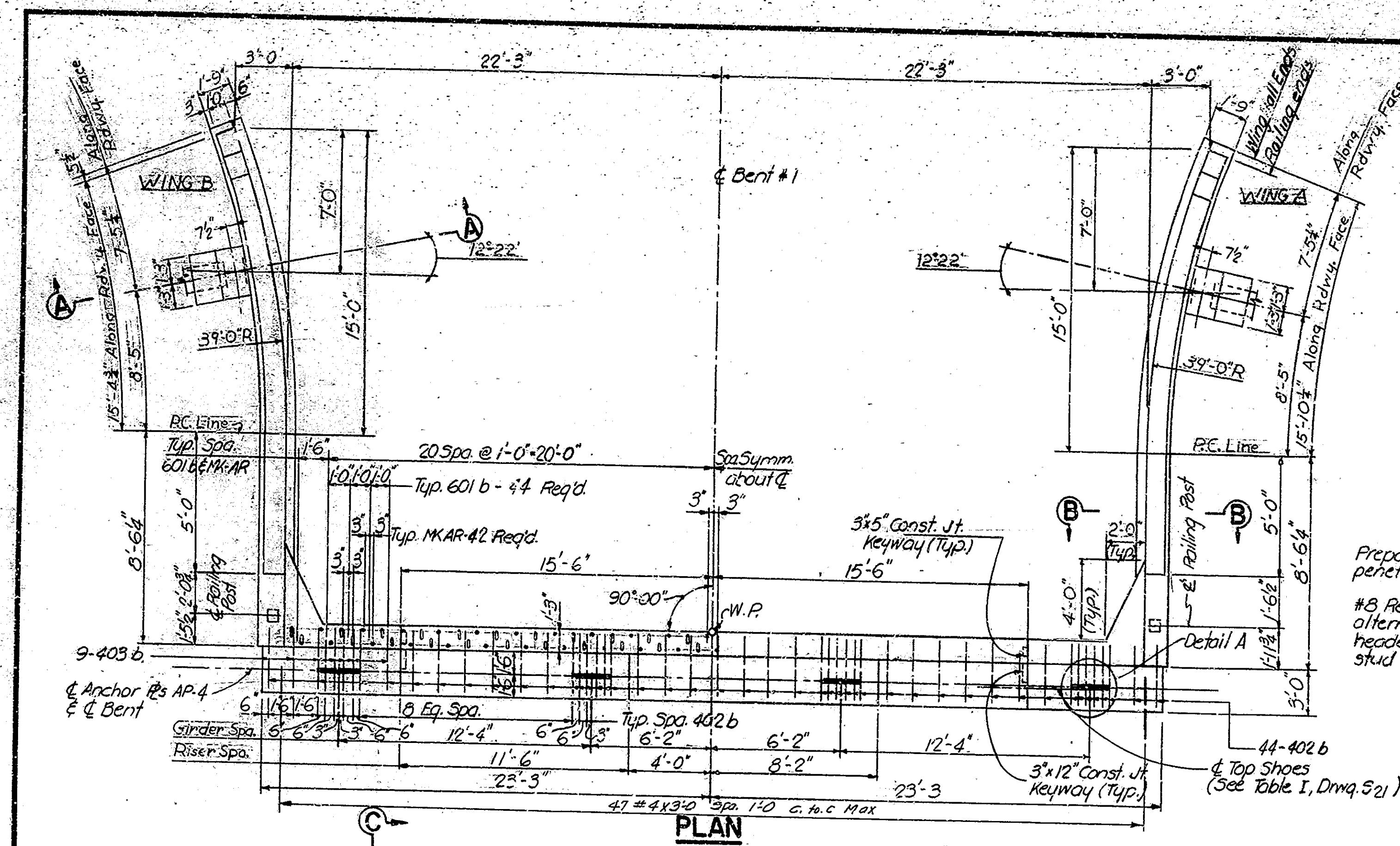
DRAWING: S-4 OF 26
PROJECT: S-124(12) STATION: 80+40.00
BRIDGE CONTRACT NO. B-7265
BRIDGE FILE: 135-A-9-5763



| | |
|----------|------------|
| DESIGNED | R.T.C. CKD |
| DRAWN | R.T.C. CKD |
| TRACED | R.T.C. CKD |

For other information on this bridge, see Dwg. S-3 and S-5

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-----------|--------|-------|--------|
| PUB. ROAD | STATE | PROJECT | FISCAL | SHEET | TOTAL |
| NO. | | NO. | YEAR | NO. | SHEETS |
| 4 | IND. | S-124(12) | 1967 | 10 | 40 |



DESIGNED JA CKD WHC
 DRAWN JA CKD WHC
 TRACED CKD

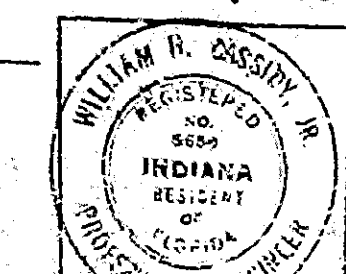
SECTION D-D
 Scale: 1/4" = 1'-0"

Note: Fill not to be placed above Bridge Seat until Superstructure is in place

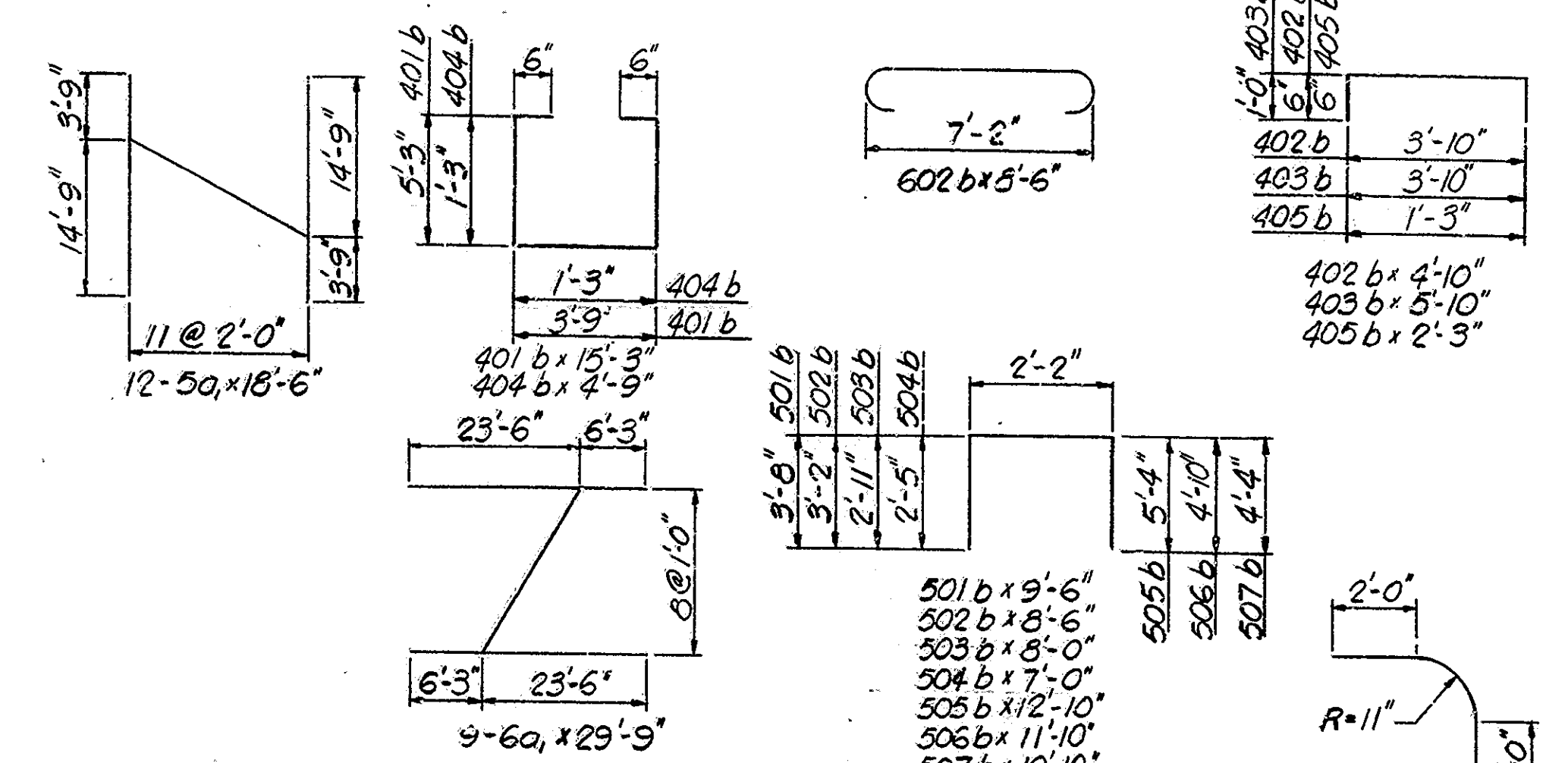
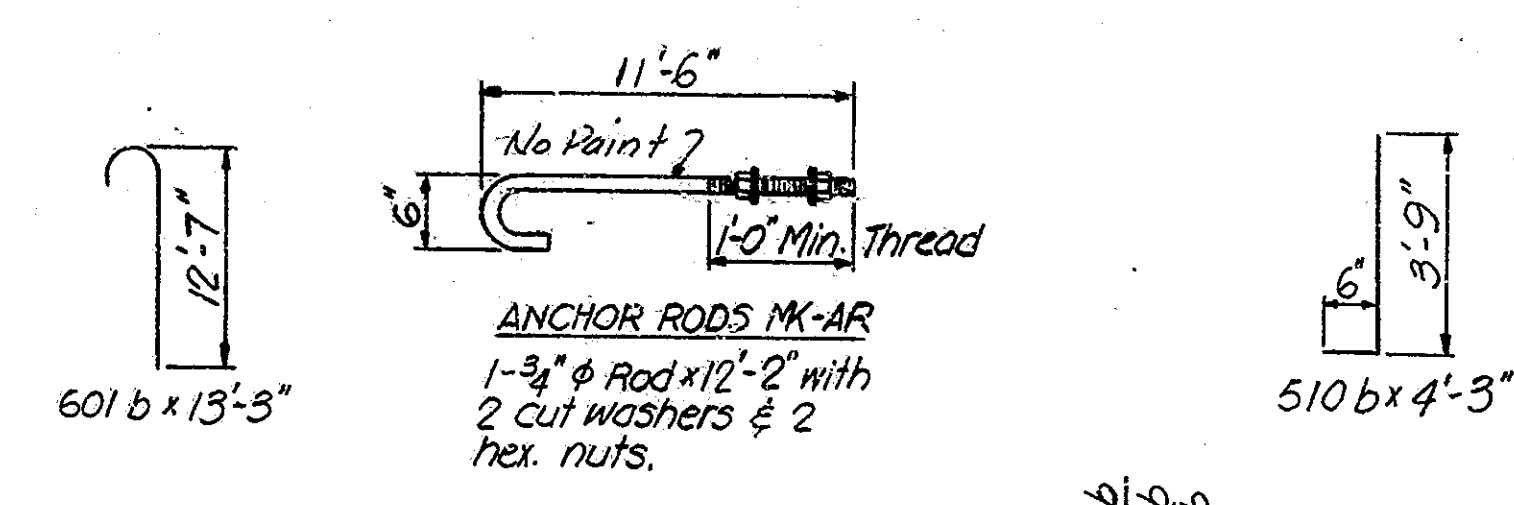
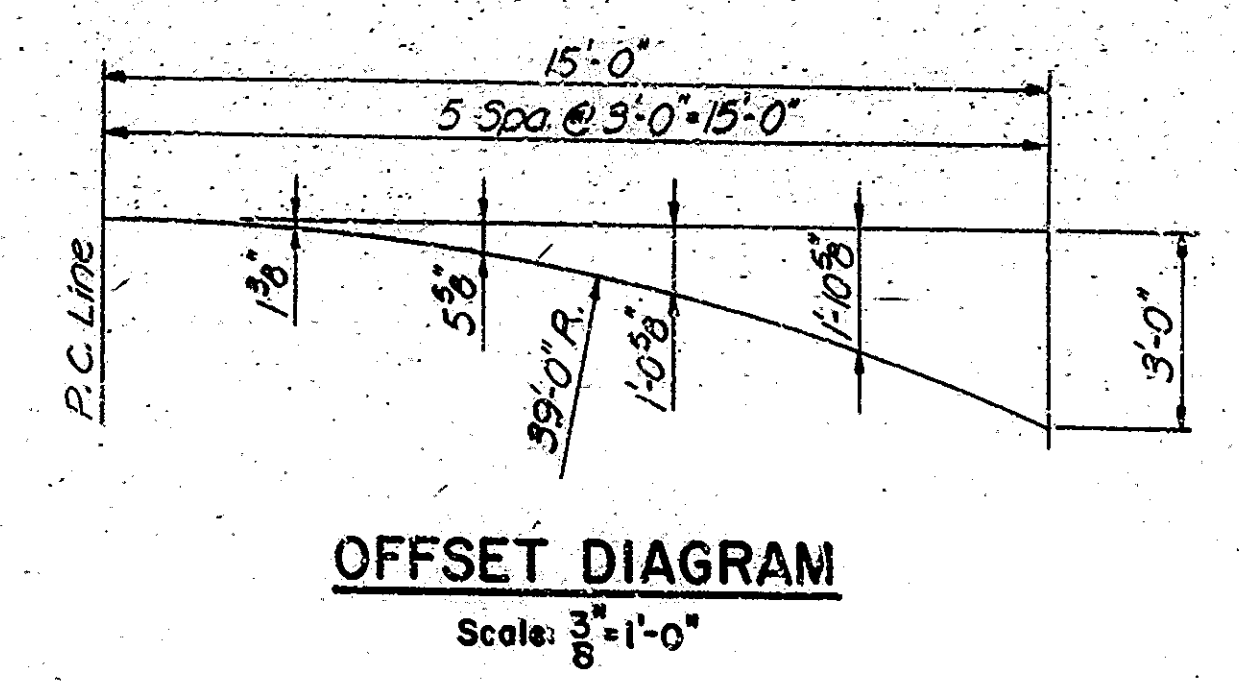
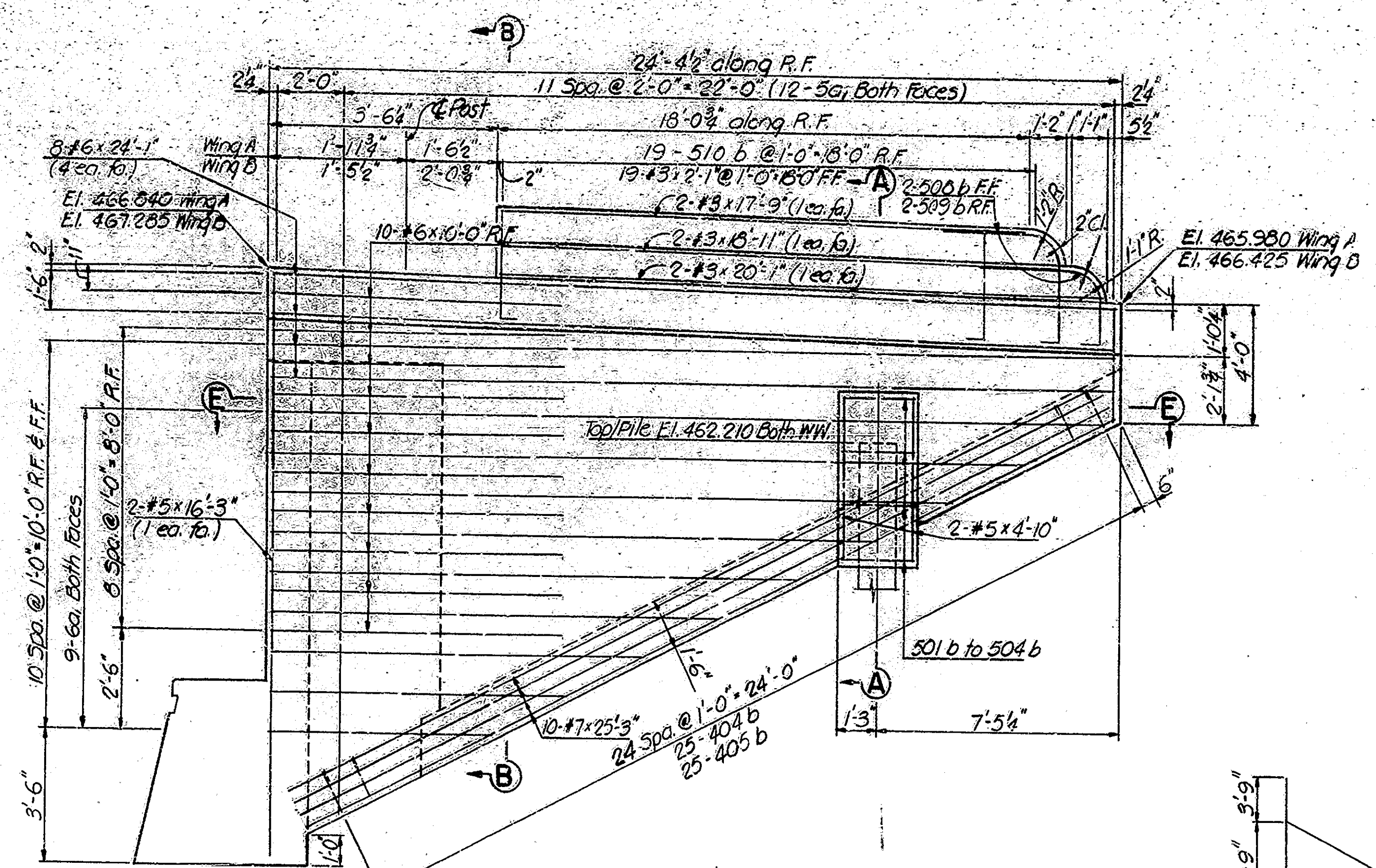
BENT No. 1 DETAILS
 INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Condit*
 OCTOBER 14, 1966

DRAWING: S6 OF 26
 PROJECT: S-124 (12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

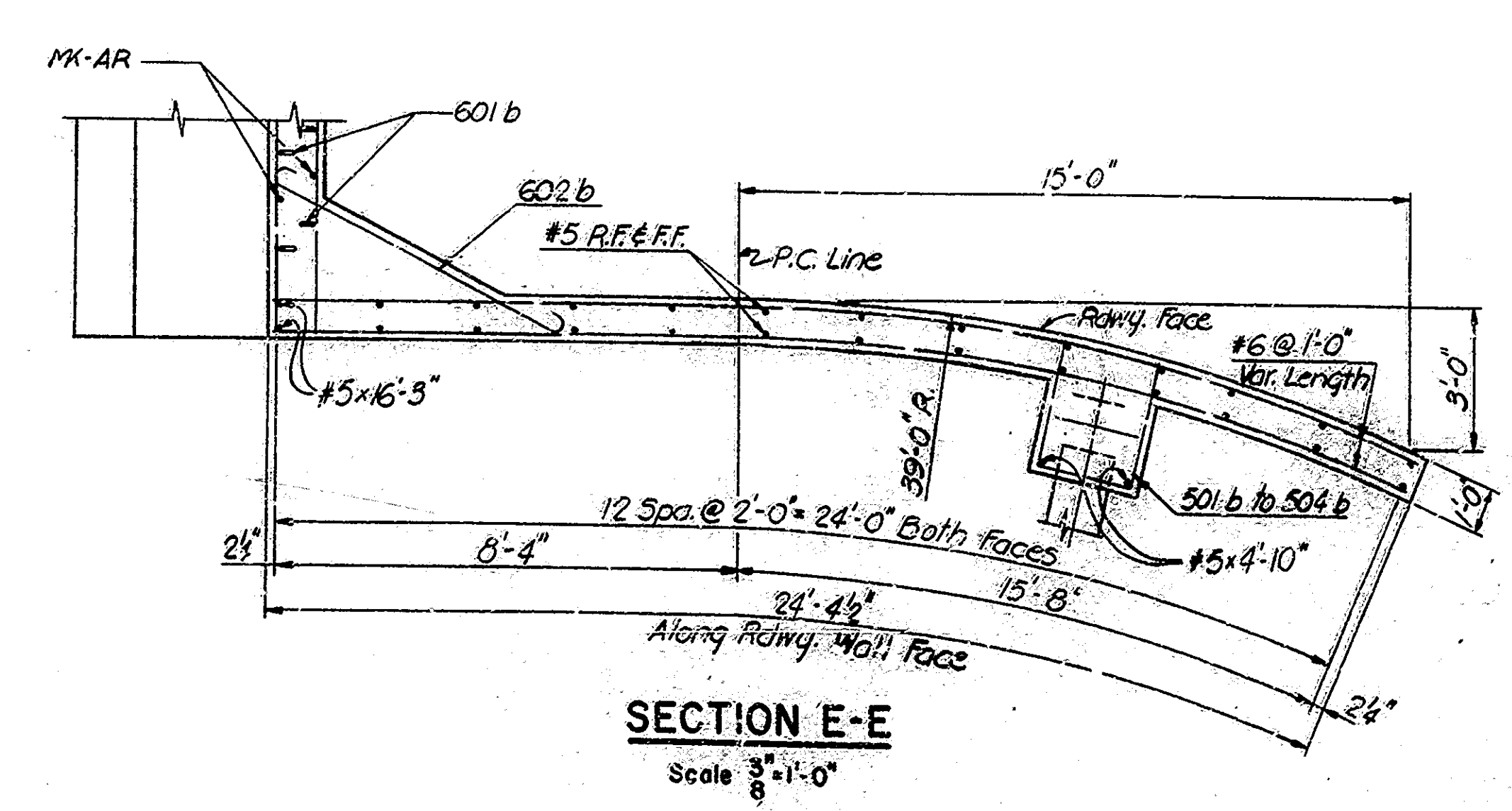


| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PUR. ROAD DISTRICT | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 11 | 40 |



BILL OF MATERIALS

| REINFORCING STEEL | | | |
|-------------------------|------------------------|----------|-----------|
| Size & Mark | N ^o of Bars | Length | Weight |
| #8 | 28 | 24'-3" | |
| #8 | 9 | 7'-0" | |
| #8 | 4 | 3'-5" | |
| Total | #8 | | 2037* |
| #7 | 20 | 25'-3" | |
| Total | #7 | | 1052* |
| 601b | 22 | 19'-3" | |
| 602b | 12 | 8'-2" | |
| 603b | 18 | 29'-5" | |
| 604b | 16 | 24'-7" | |
| 605b | 20 | 10'-0" | |
| Total | | | 4223* |
| 501b | 5 | 6'-6" | |
| 502b | 5 | 6'-6" | |
| 503b | 5 | 6'-6" | |
| 504b | 2 | 6'-6" | |
| 505b | 15 | 7'-0" | |
| 506b | 15 | 12'-10" | |
| 507b | 15 | 11'-10" | |
| 508b | 4 | 10'-8" | |
| 509b | 4 | 5'-6" | |
| 510b | 38 | 4'-9" | |
| 511b | 22 | 18'-6" | |
| 512b | 10 | 5'-4" | |
| 513b | 4 | 16'-3" | |
| 514b | 4 | 4'-10" | |
| Total | #5 | | 1458* |
| 401b | 32 | 15'-3" | |
| 402b | 108 | 4'-10" | |
| 403b | 5 | 5'-10" | |
| 404b | 50 | 4'-3" | |
| 405b | 30 | 2'-3" | |
| #4 | 24 | 23'-6" | |
| #4 | 2 | 6'-6" | |
| #4 | 47 | 3'-0" | |
| Total | #4 | | 1423* |
| #3 | 4 | 20'-7" | |
| #3 | 4 | 18'-11" | |
| #3 | 4 | 17'-9" | |
| #3 | 30 | 2'-7" | |
| Total | #3 | | 115* |
| Total Reinforcing Steel | | | 10,328* |
| CONCRETE | | | |
| Class F: | Pour 1 | 400 C.Y. | |
| | Pour 2 | 283 C.Y. | |
| | Pour 3 | 226 C.Y. | |
| Total Class F | | 909 C.Y. | |
| Rolling Concrete | | 5.5 C.Y. | |
| MISCELLANEOUS | | | |
| 12 BP 53 Steel Piles | | | 1800 L.F. |
| 13 Reqd. x 100 | | | 4 each |
| Anchor Plates AP-4 | | | 4 each |
| Anchor Rods MK-AR | | | 42 each |



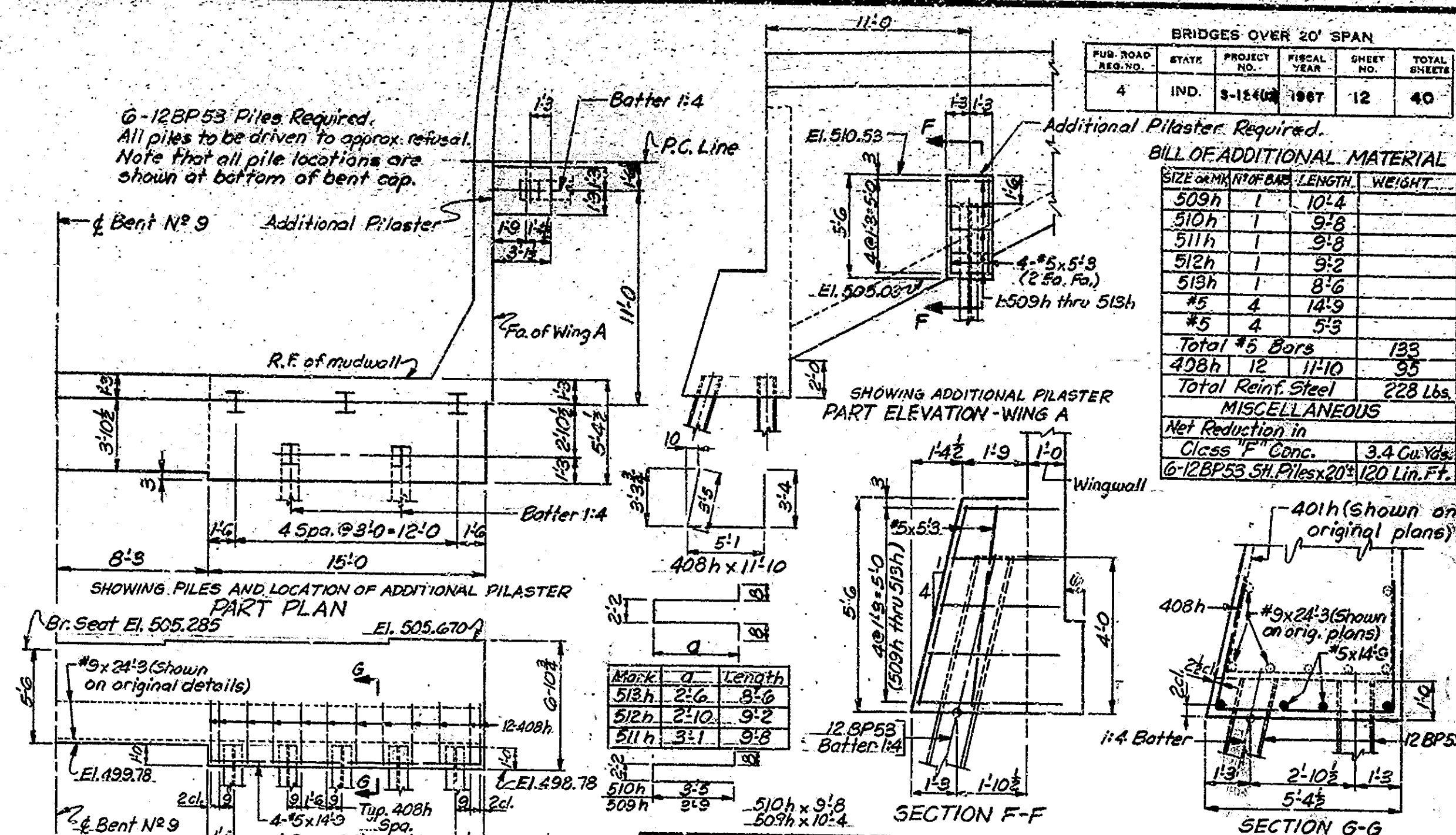
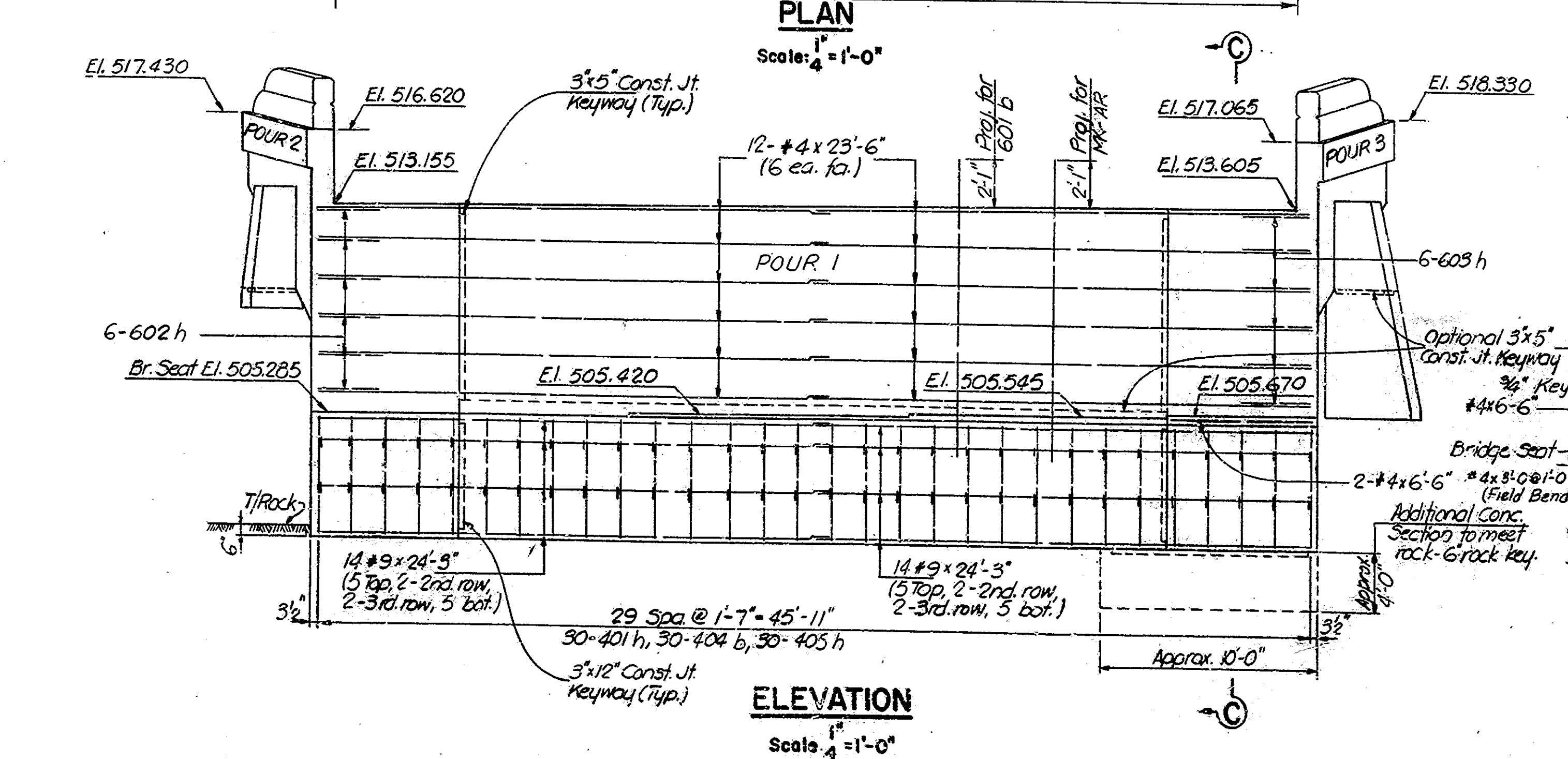
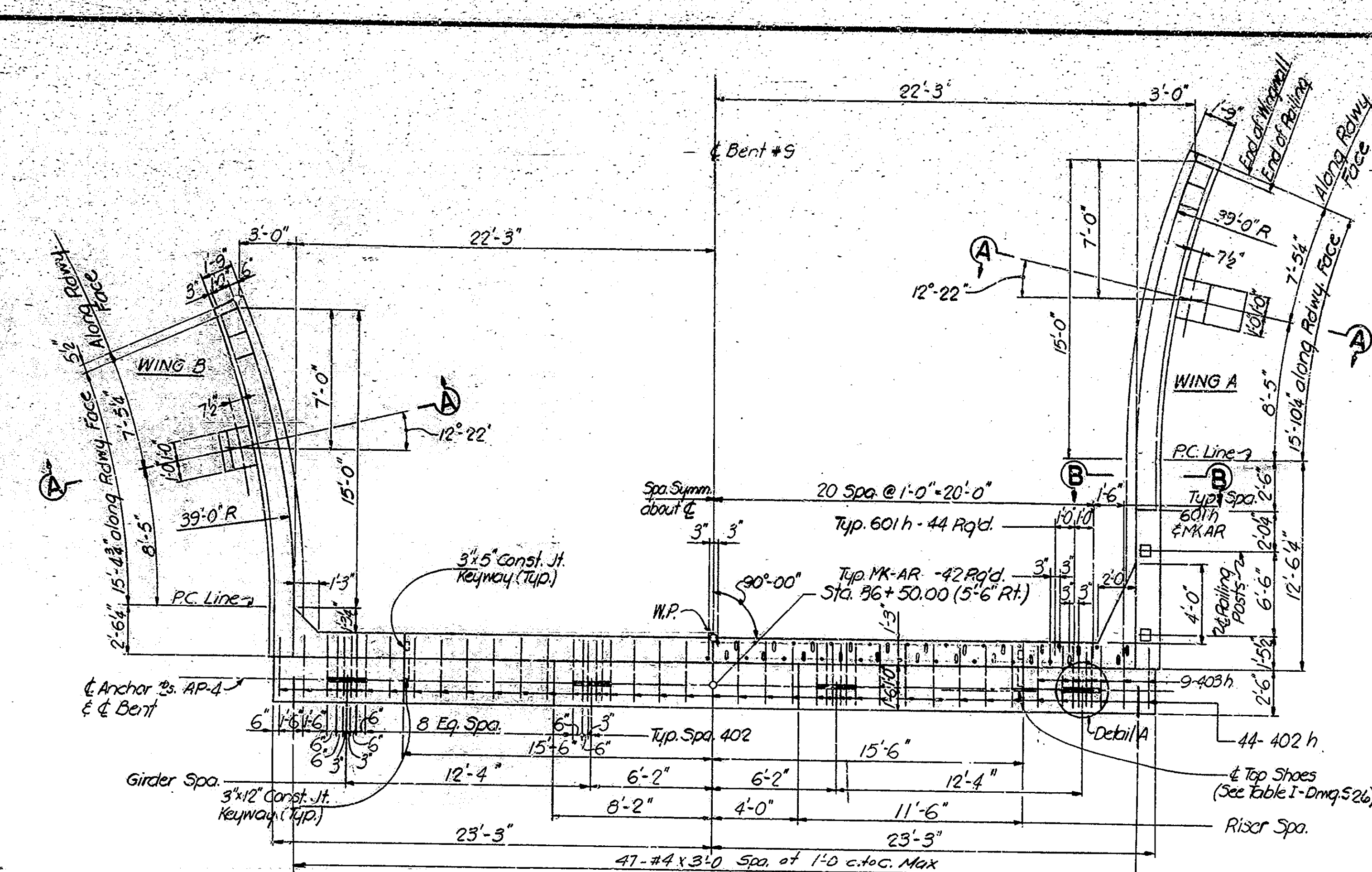
NOTE: Each bar series marked a, cuts 2 required bar lengths.

- Notes:**
1. Bent cap is not to be poured until fill has been completed up to approximate elevation of the bottom of the cap.
 2. See Bridge Standard C₁ for reinforcement bar notes.
 3. Anchor Plates AP-4 to be pre-set in concrete.
 4. All piles to be driven to approximate refusal.
 5. See Divg. 58 for General Notes.
 6. Rolling Anchor Bolts to be pre-set in capping for location see Bridge Standard R₁-C, R₁-E and R₁-F.
 7. For Stakeout Diagram see Divg. 55.

BENT N^o 1 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 DRAWING: S7 of 26
 PROJECT: S-124(12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763
 OCTOBER 14, 1966
 WILLIAM H. CASSIDY
 REGISTERED
 PROFESSIONAL ENGINEER
 INDIANA

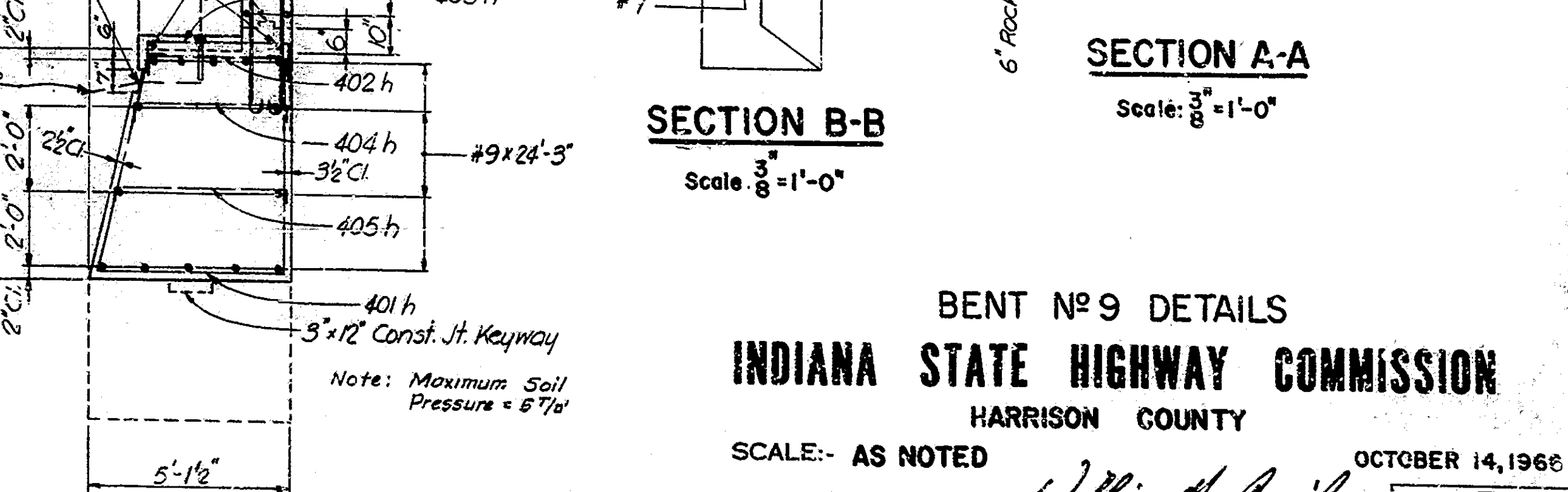
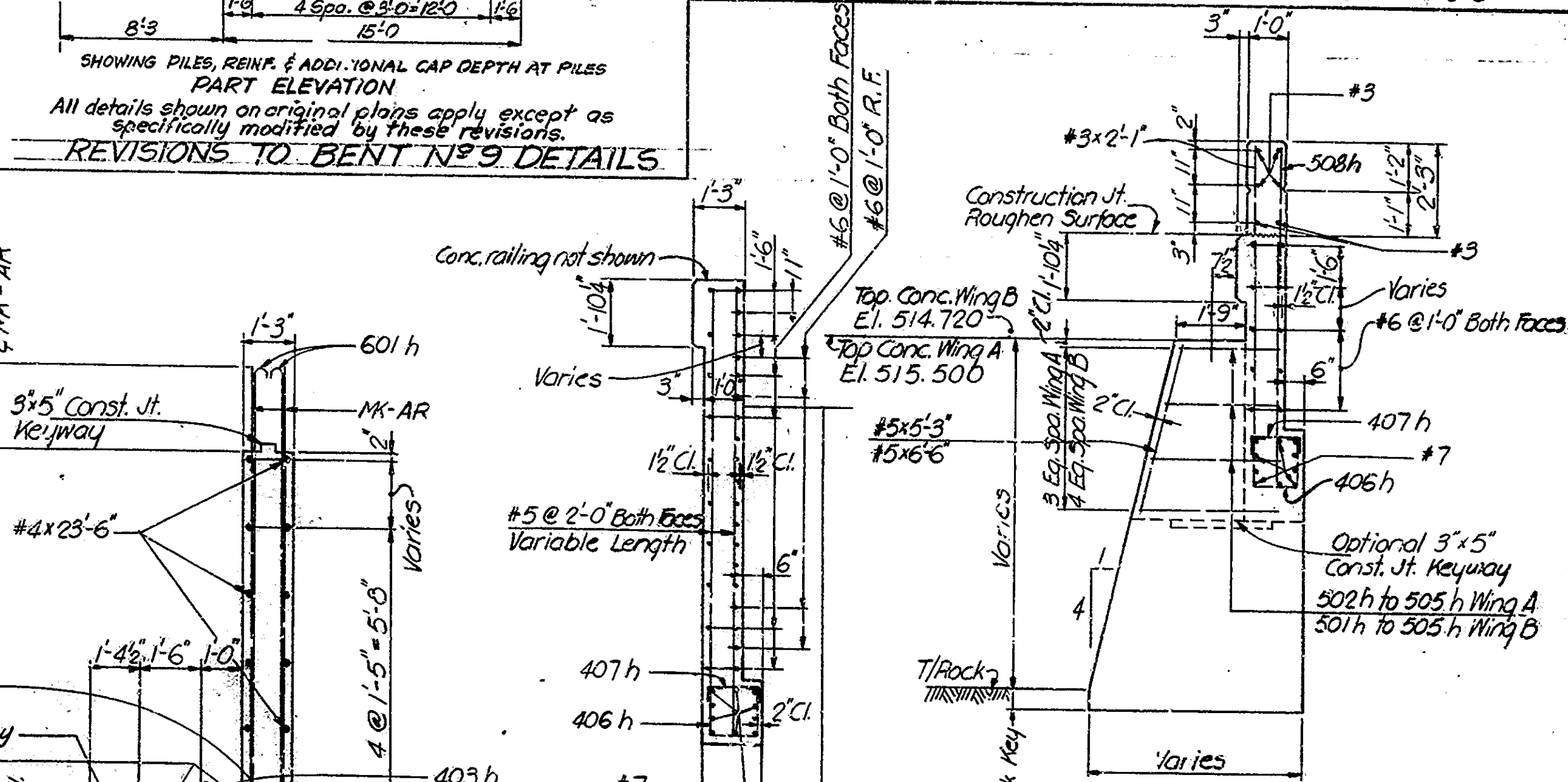
| | |
|--------------|----------|
| DESIGNED: JA | CKD: WHC |
| DRAWN: JA | CKD: WHC |
| TRACED: JA | CKD: WHC |

| PROJECT NO. | LINE | SHEET NO. | TOTAL SHEETS | FILE |
|-------------|------|-----------|--------------|------|
| | | | | |



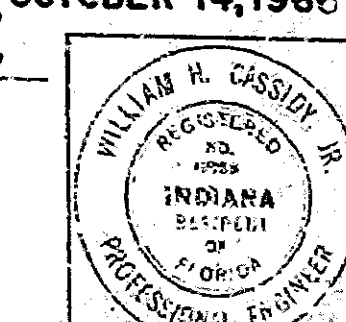
| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|---------|--------|--------|----|
| PUR. ROAD | STATE | PROJECT | FISCAL | TOTAL | |
| NO. | NO. | NO. | YEAR | SHEETS | |
| 4 | IND. | 3-12408 | 1967 | 12 | 40 |

| BILL OF ADDITIONAL MATERIAL | | | |
|--|--------|-----------------|--|
| SIZE OR MAT. OF BAR | LENGTH | WEIGHT | |
| 509h | 1 | 10.4 | |
| 510h | 1 | 9.8 | |
| 511h | 1 | 9.8 | |
| 512h | 1 | 9.2 | |
| 515h | 1 | 8.6 | |
| #5 | 4 | 14.9 | |
| #5 | 4 | 5.3 | |
| Total #5 Bars | | 133 | |
| 408h | 12 | 11.10 | |
| Total Reinf. Steel | | 228 Lbs. | |
| MISCELLANEOUS | | | |
| Net Reduction in Class "C" Conc. 3.4 Cu Yds. | | | |
| 6-12BPS3 5/8" Piles x 20' @ 120 Lin. Ft. | | | |



BENT NO. 9 DETAILS
 INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 OCTOBER 14, 1966
 DRAWING: S-8 OF 26
 PROJECT: S-124 (12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763



Note: Fill not to be placed above Bridge Seat until Superstructure is in place.

Notes:
 See Bridge Std. C1 for reinforcement bar notes. Anchor Plates AP4 to be present in concrete.
 See Dwg. S6 for General Notes. Reiling and anchor bolts to be present in capping for location see Bridge Std. R1-C, R1-E and R1-F.
 See Dwg. S6 for details A-E, A-R3 Details, and Dwg. S5 for 510 Reinf. Diagrams.

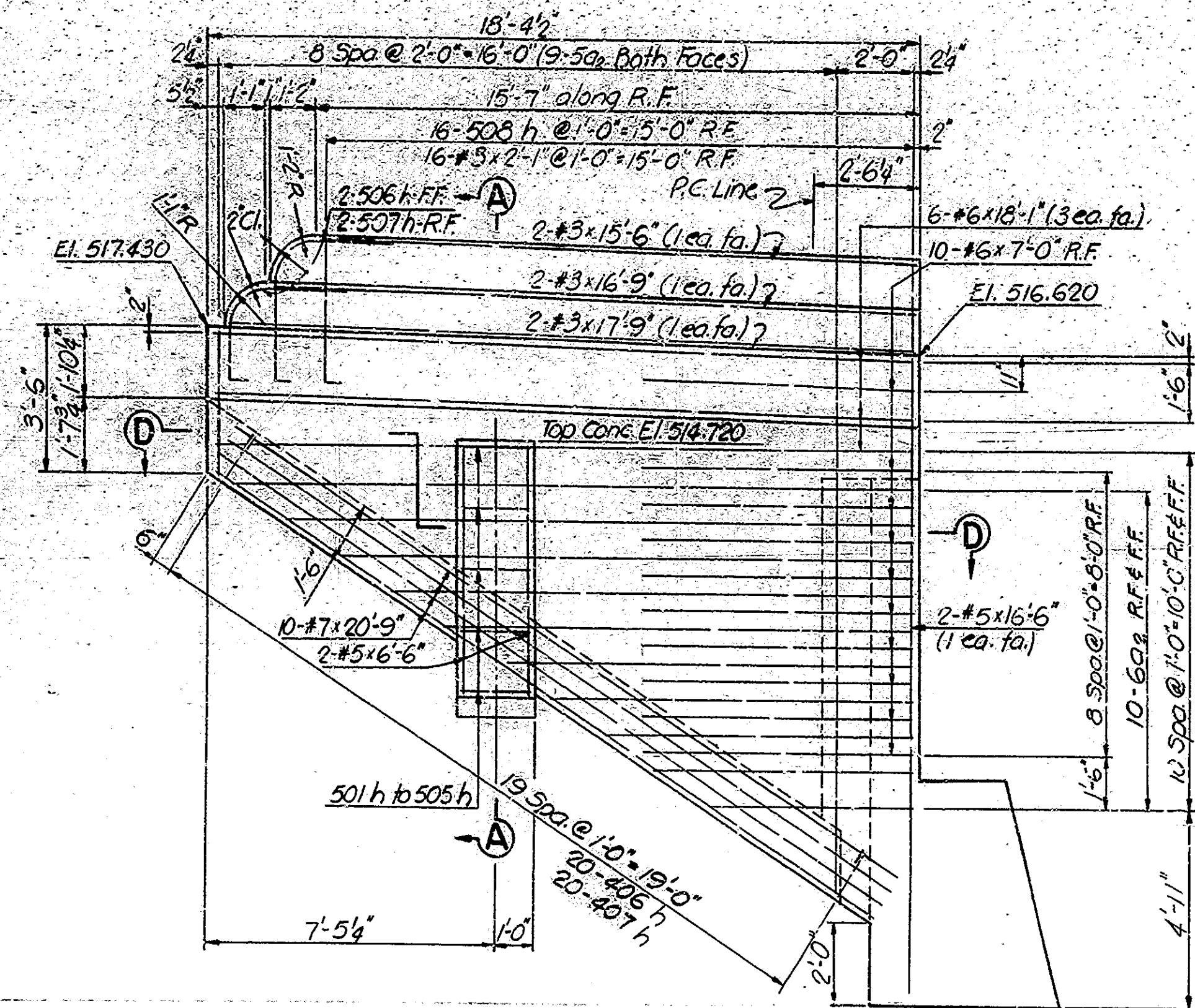
DESIGNED: J.A. CKD
 DRAWN: J.A. CKD
 TRACED: CKD

Rev 10-27-67 Piles & Pilaster Added.

| BRIDGE NO. | STATES | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|------------|--------|-------------|-------------|-----------|--------------|
| 4 | IND. | S-124(2) | 1967 | 13 | 40 |

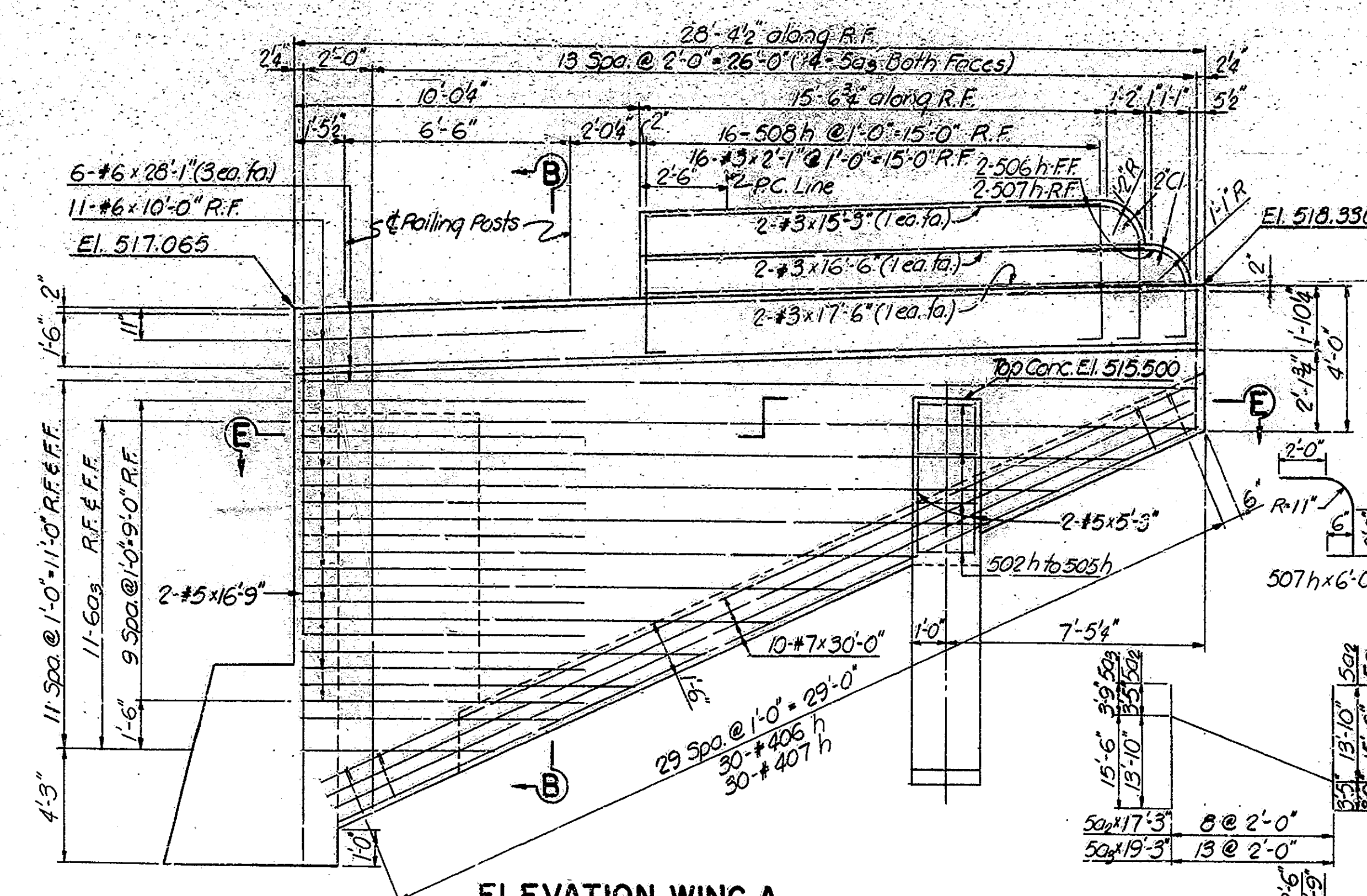
BILL OF MATERIALS

| REINFORCING STEEL | | | | |
|-------------------------|------------------------|---------|--------|--|
| Size & Mark # | N ^o of Bars | Length | Weight | |
| #9 | 22 | 24'-3" | | |
| Total | | #9 | 2309* | |
| #7 | 10 | 30'-0" | | |
| #7 | 10 | 30'-0" | | |
| Total | | #7 | 1037* | |
| 601 h | 44 | 13'-3" | | |
| 602 h | 6 | 5'-6" | | |
| 603 h | 6 | 8'-6" | | |
| 604 h | 10 | 22'-6" | | |
| 605 h | 11 | 34'-9" | | |
| #6 | 5 | 18'-7" | | |
| #6 | 6 | 28'-1" | | |
| #6 | 7 | 10'-0" | | |
| #6 | 10 | 7'-0" | | |
| Total | | #6 | 2600* | |
| 501 h | 1 | 9'-9" | | |
| 502 h | 2 | 9'-9" | | |
| 503 h | 2 | 8'-3" | | |
| 504 h | 2 | 7'-3" | | |
| 505 h | 2 | 6'-9" | | |
| 506 h | 4 | 5'-6" | | |
| 507 h | 4 | 6'-0" | | |
| 508 h | 32 | 4'-3" | | |
| 509 | 9 | 17'-3" | | |
| 50a | 14 | 19'-3" | | |
| #5 | 2 | 5'-3" | | |
| #5 | 2 | 16'-6" | | |
| #5 | 2 | 16'-9" | | |
| #5 | 2 | 6'-6" | | |
| Total | | #5 | 803* | |
| 401 h | 30 | 16'-2" | | |
| 402 h | 44 | 4'-2" | | |
| 403 h | 9 | 5'-4" | | |
| 404 h | 30 | 2'-7" | | |
| 405 h | 30 | 5'-7" | | |
| 406 h | 30 | 4'-9" | | |
| 407 h | 30 | 7'-3" | | |
| #4 | 24 | 23'-6" | | |
| #4 | 2 | 6'-6" | | |
| #4 | 47 | 3'-0" | | |
| Total | | #4 | 1390* | |
| #3 | 2 | 17'-3" | | |
| #3 | 2 | 16'-9" | | |
| #3 | 2 | 16'-6" | | |
| #3 | 2 | 17'-6" | | |
| #3 | 2 | 16'-6" | | |
| #3 | 32 | 2'-7" | | |
| Total | | #3 | 100* | |
| Total Reinforcing Steel | | | 8239* | |
| CONCRETE | | | | |
| Class F: | Pour 1 | 47.7CY | | |
| | Pour 2 | 17.6CY | | |
| | Pour 3 | 24.7CY | | |
| Total Class F | | 89.9CY | | |
| Rolling Concrete | | 2.5CY | | |
| MISCELLANEOUS | | | | |
| Anchor Plates AP-2 | | 4 each | | |
| Anchor Rods MK-AR | | 42 each | | |



ELEVATION WING B

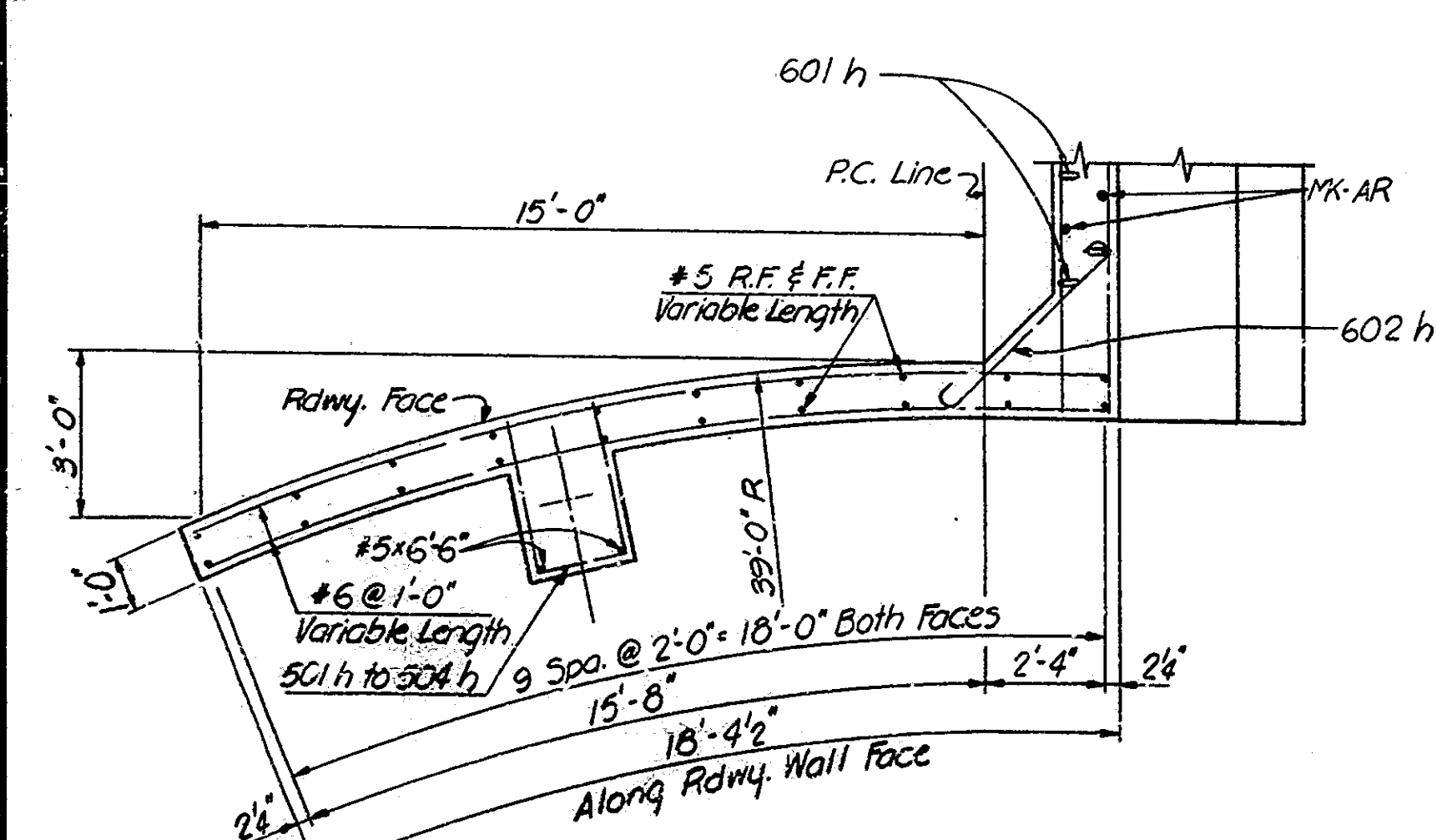
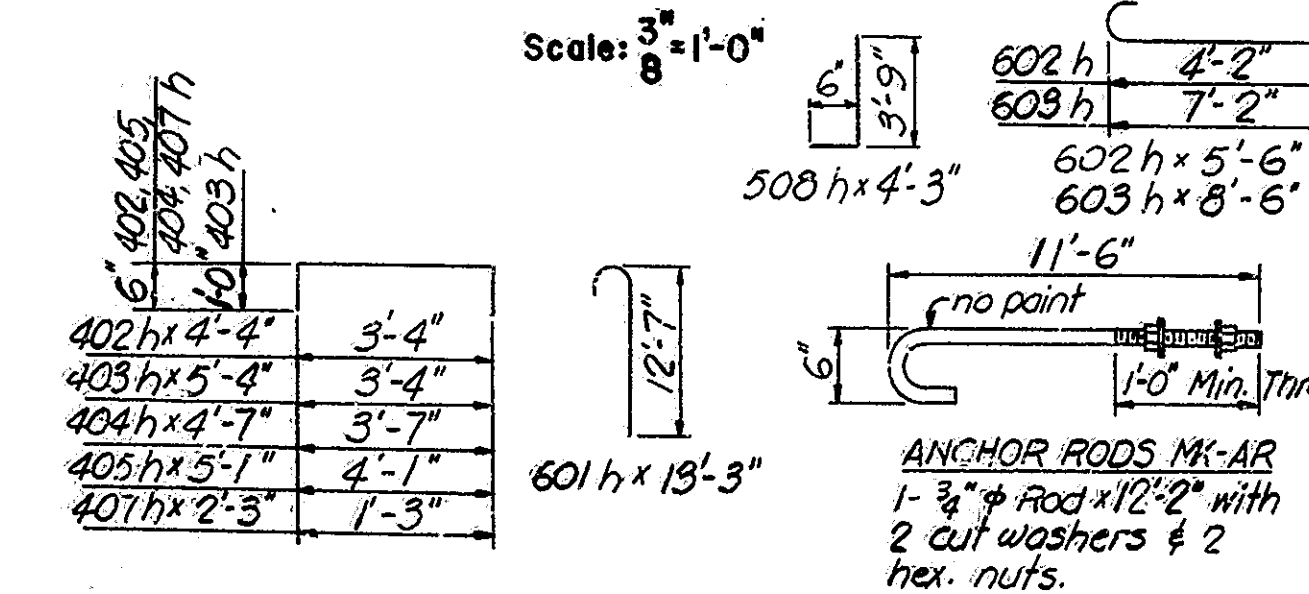
Scale: $\frac{3}{8} = 1'-0"$



ELEVATION WING A

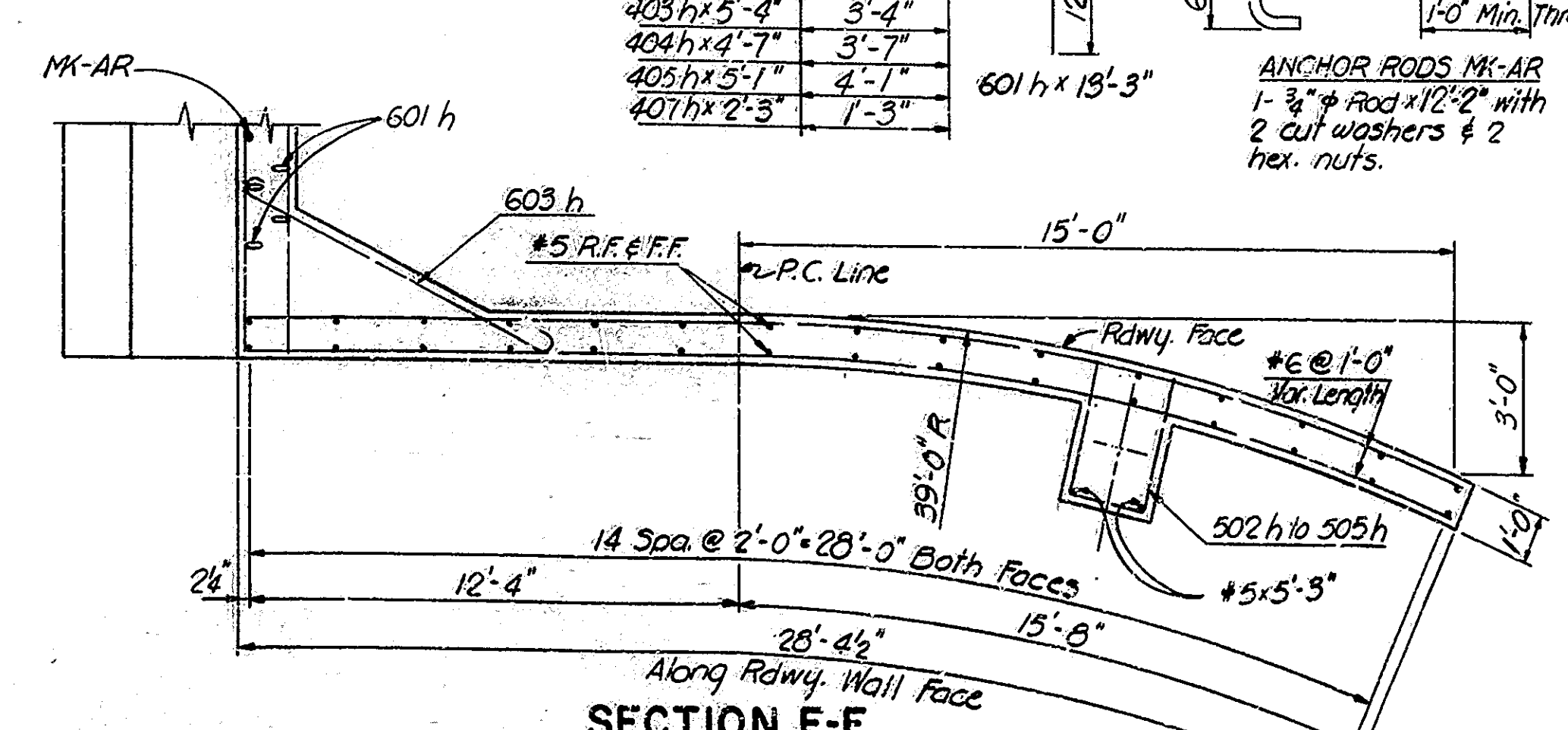
Scale: $\frac{3}{8} = 1'-0"$

NOTE: Each bar series marked a_2 or a_3 cuts 2 required bar lengths.



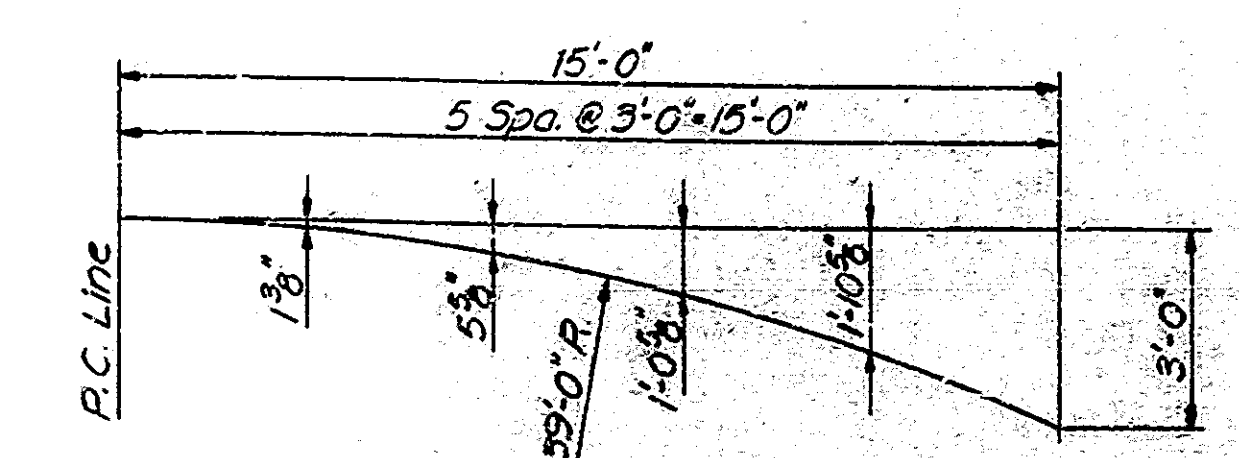
SECTION D-D

Scale: $\frac{3}{8} = 1'-0"$



SECTION E-E

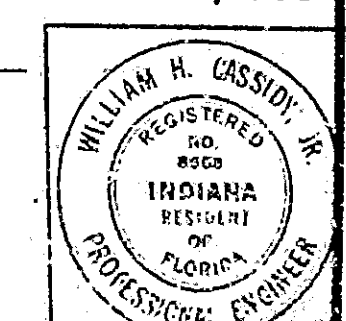
Scale: $\frac{3}{8} = 1'-0"$



OFFSET DIAGRAM

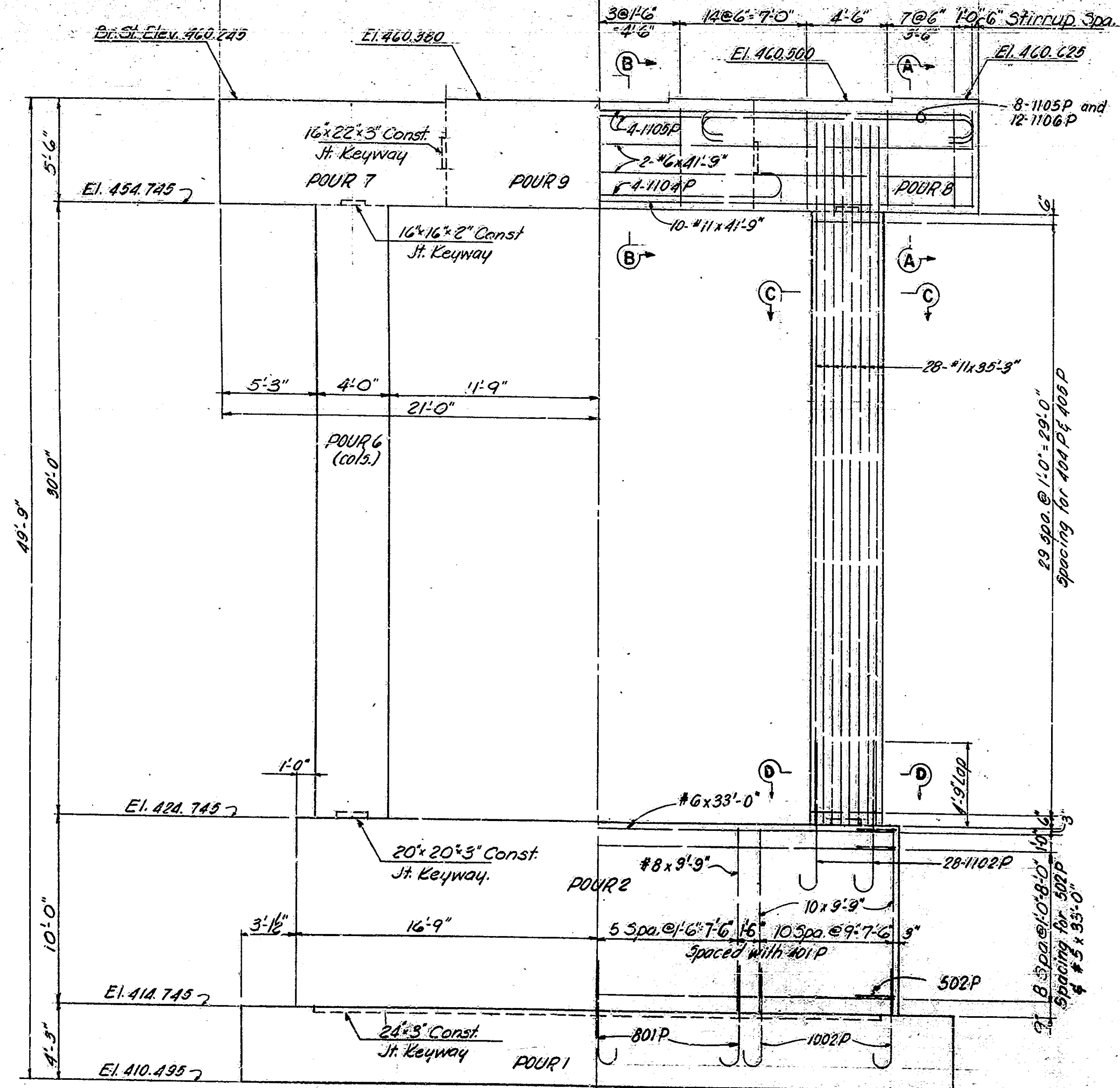
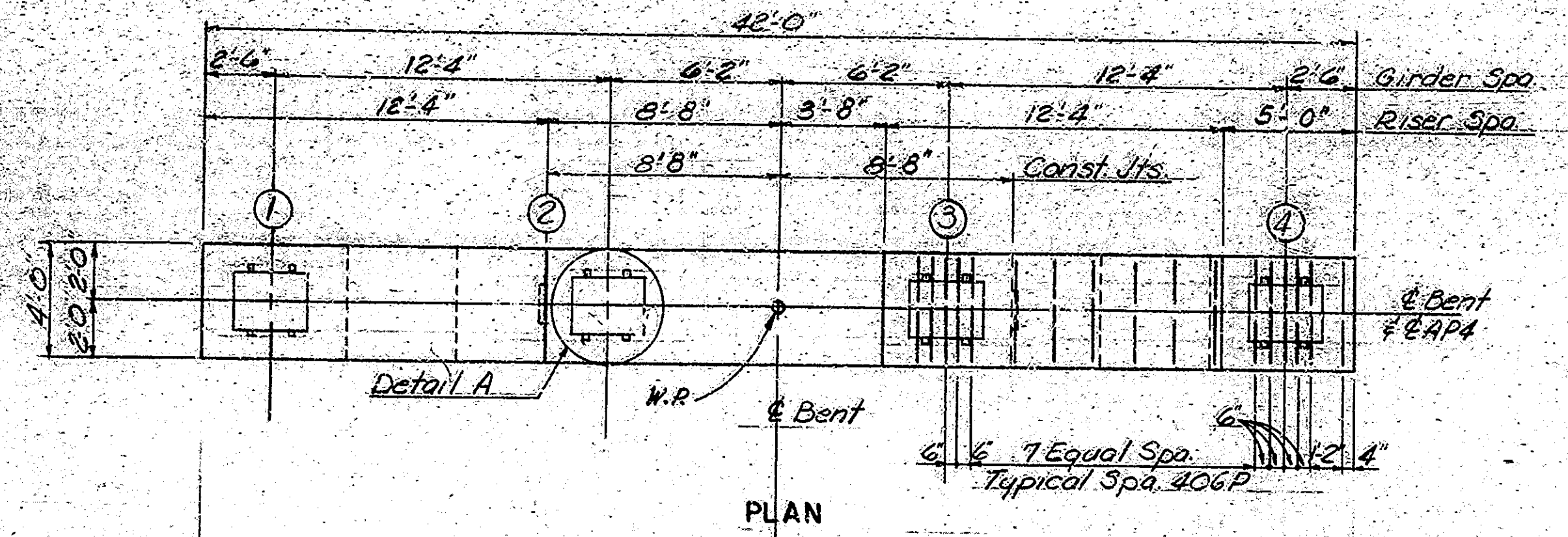
Scale: $\frac{3}{8} = 1'-0"$

BENT N^o 9 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: - AS NOTED
 OCTOBER 14, 1966
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 DRAWING: S₉ OF 26
 PROJECT: S-124(2)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

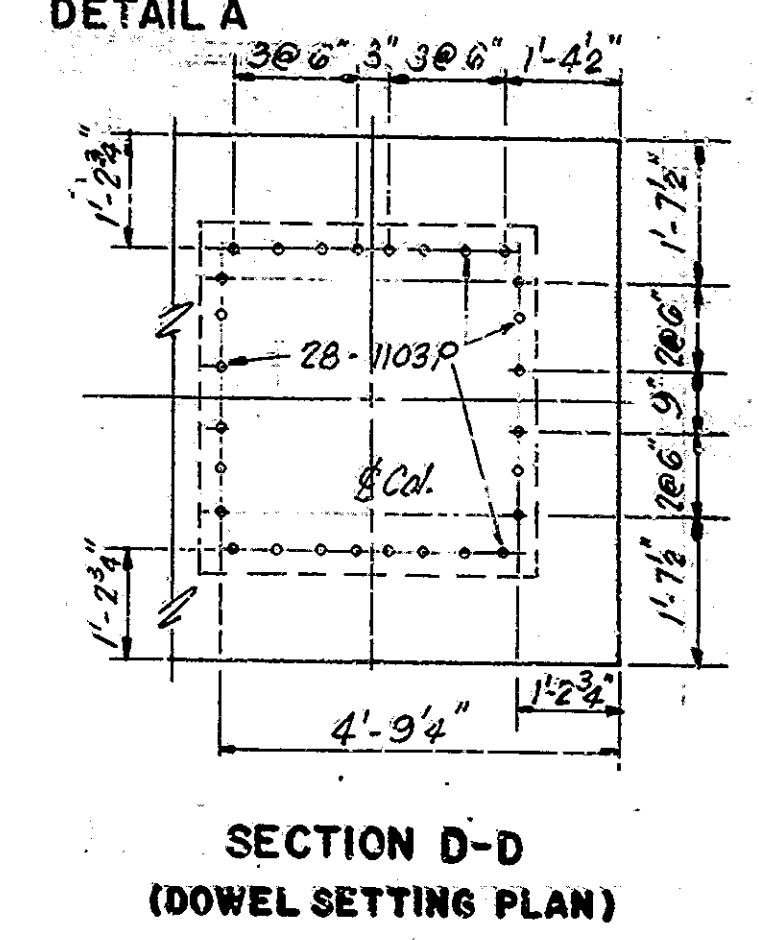
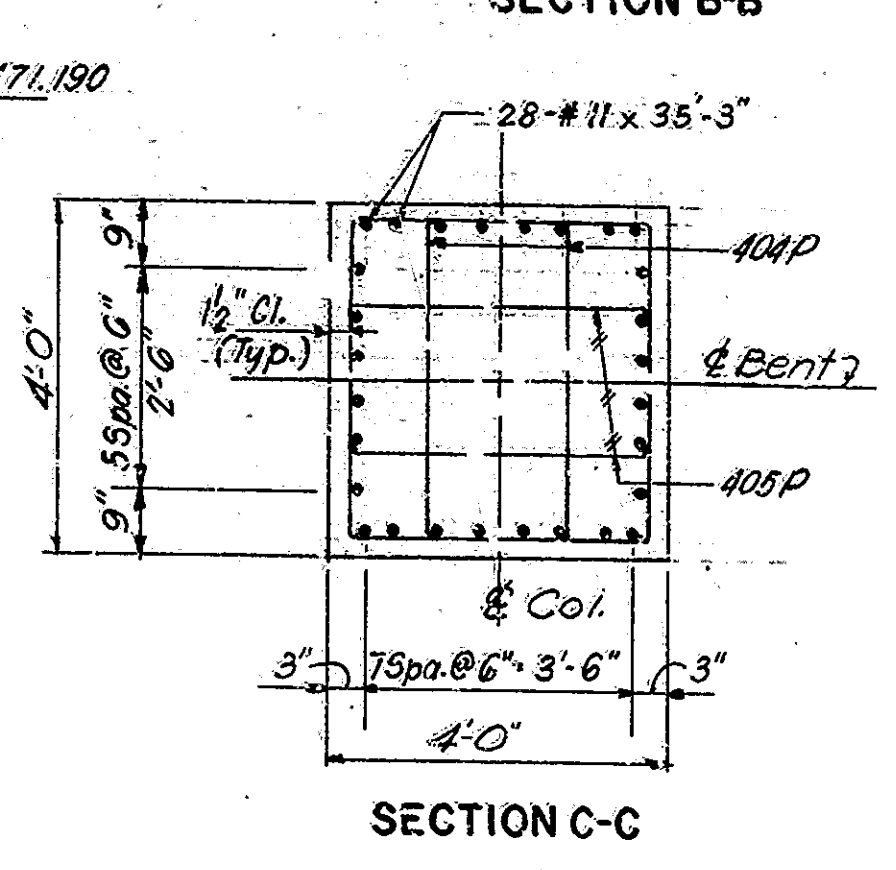
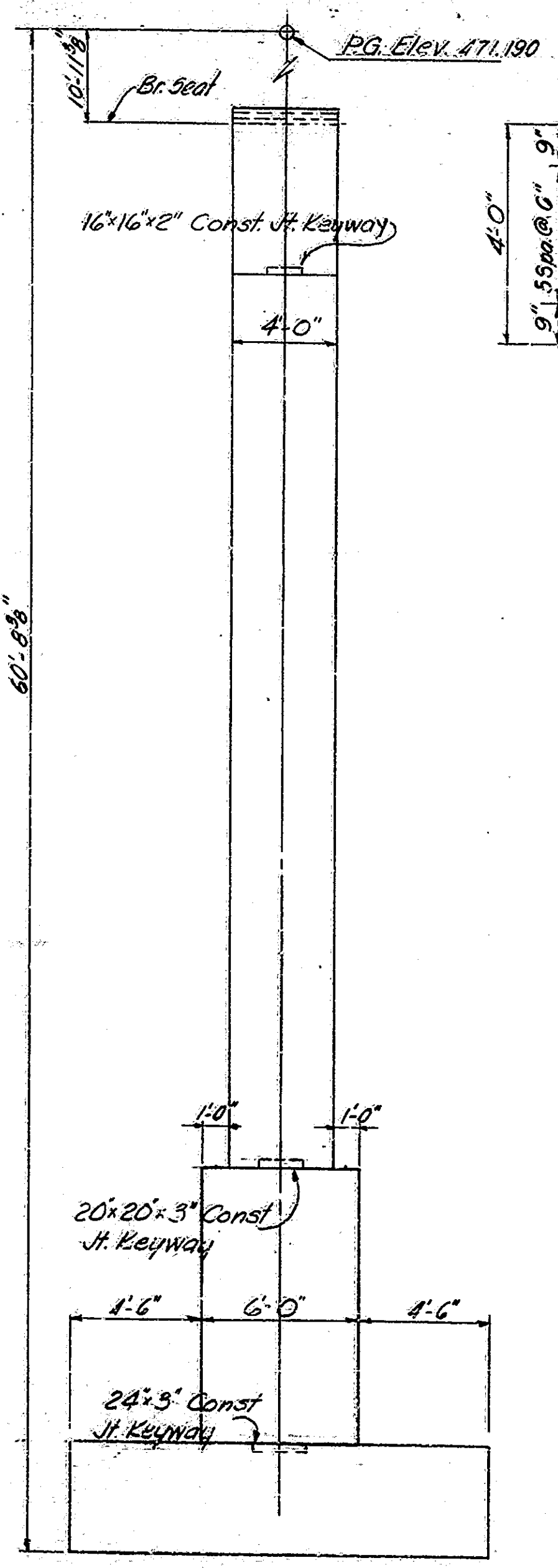
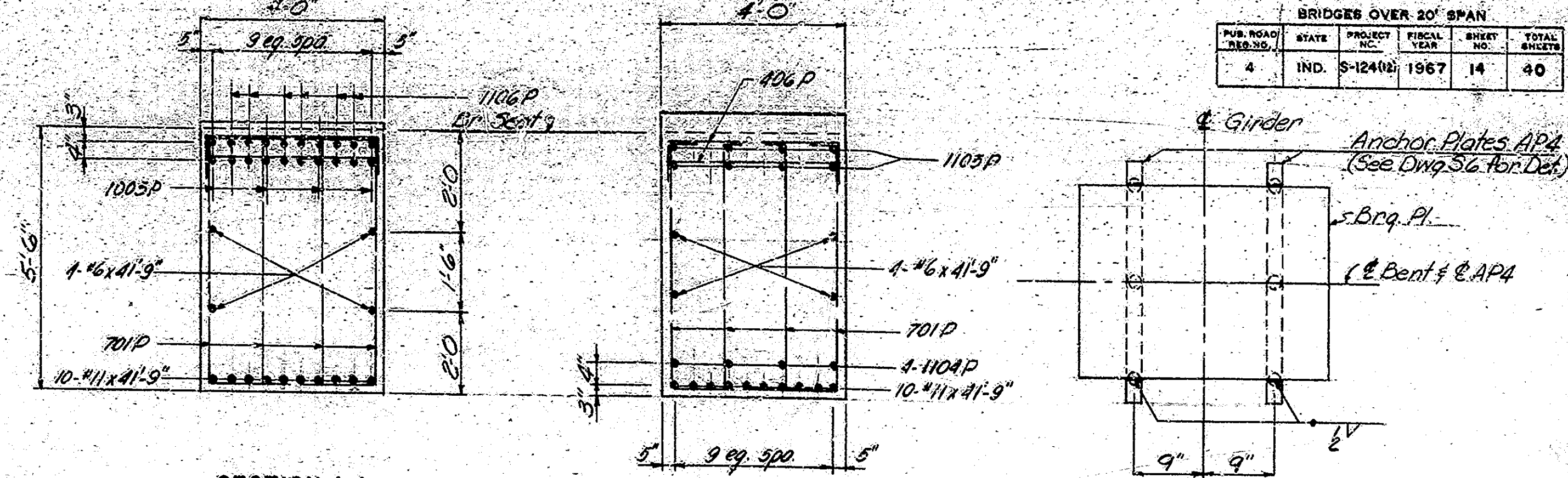


| | | |
|----------|-----|---------------|
| DESIGNED | CKD | |
| DRAWN | CKD | <i>W.H.C.</i> |
| TRACED | CKD | |

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PROJ. ROAD DIST. NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 14 | 40 |



See Dwg. 317 for Footing Details



BENT 2 DETAILS

INDIANA STATE HIGHWAY COMMISSION

HARRISON COUNTY

SCALE: AS NOTED

SUBMITTED FOR APPROVAL: *William H. Cassidy*

OCTOBER 14, 1956

DRAWING: S10 OF 26

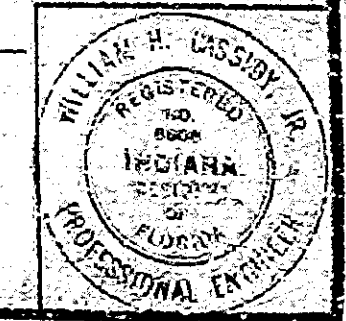
PROJECT: S-124(12)

BRIDGE CONTRACT NO. B-7265

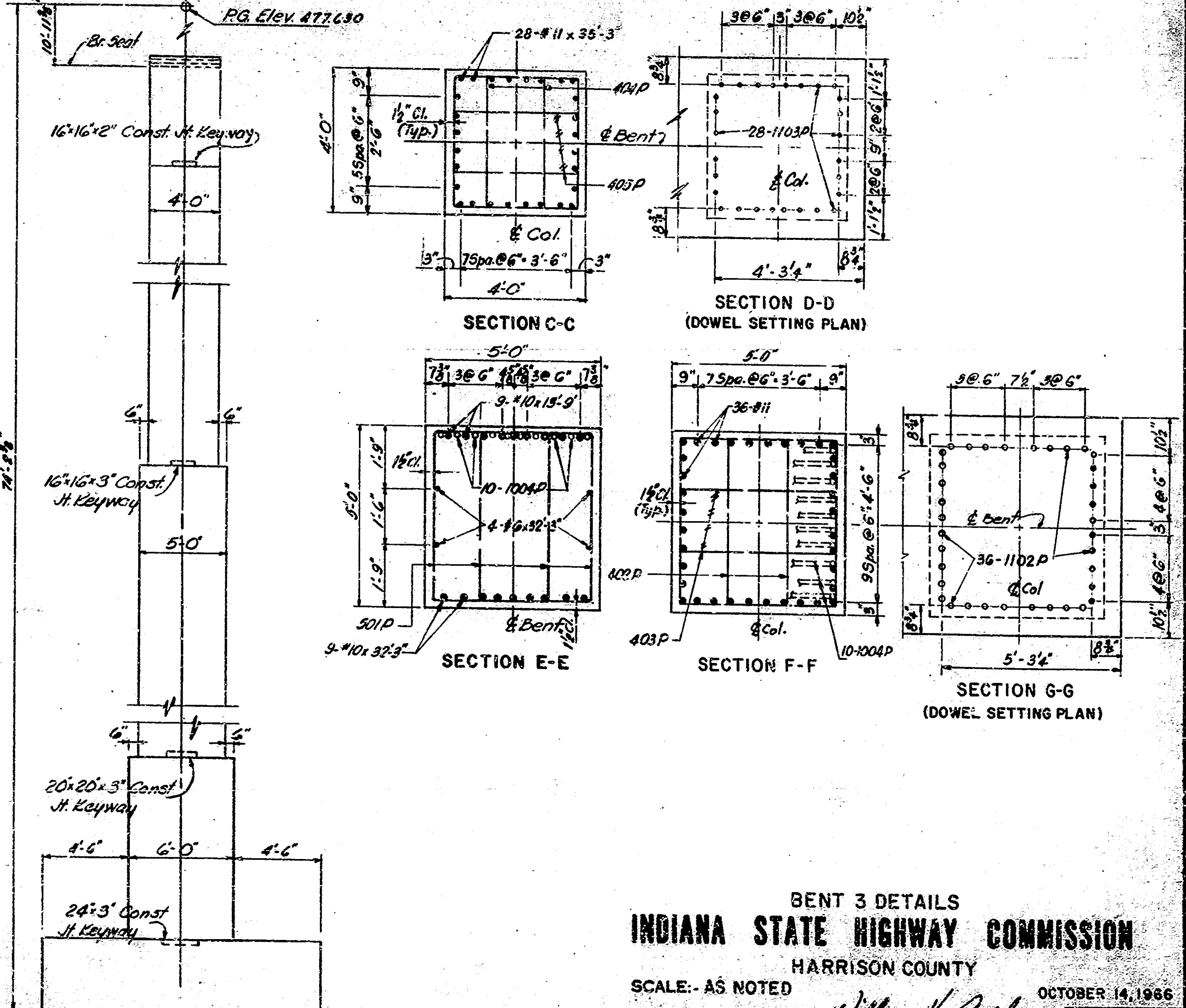
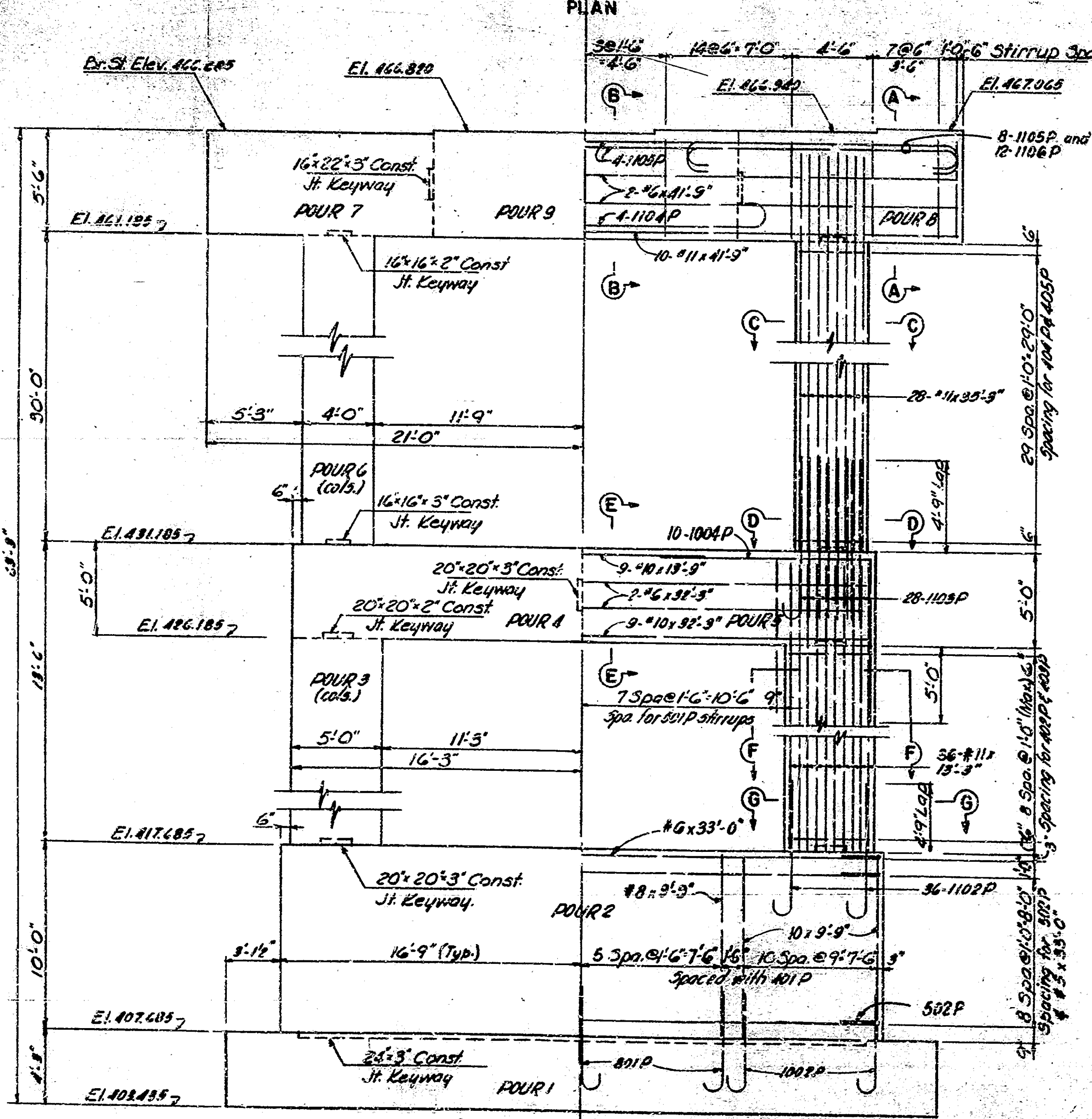
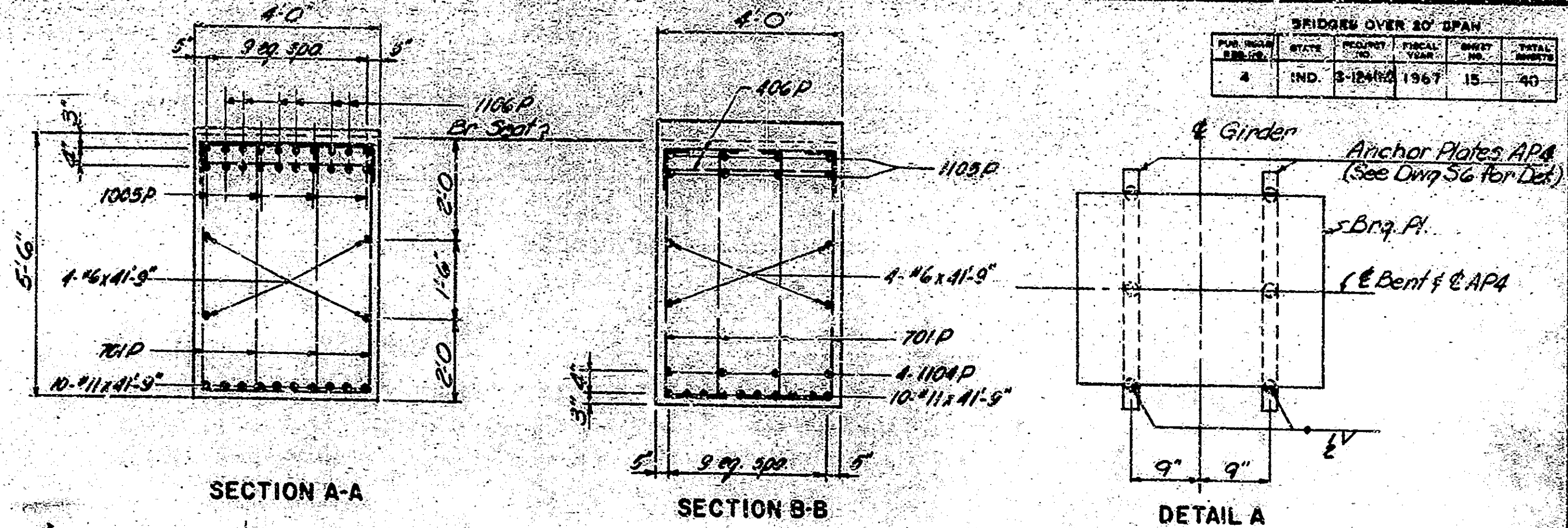
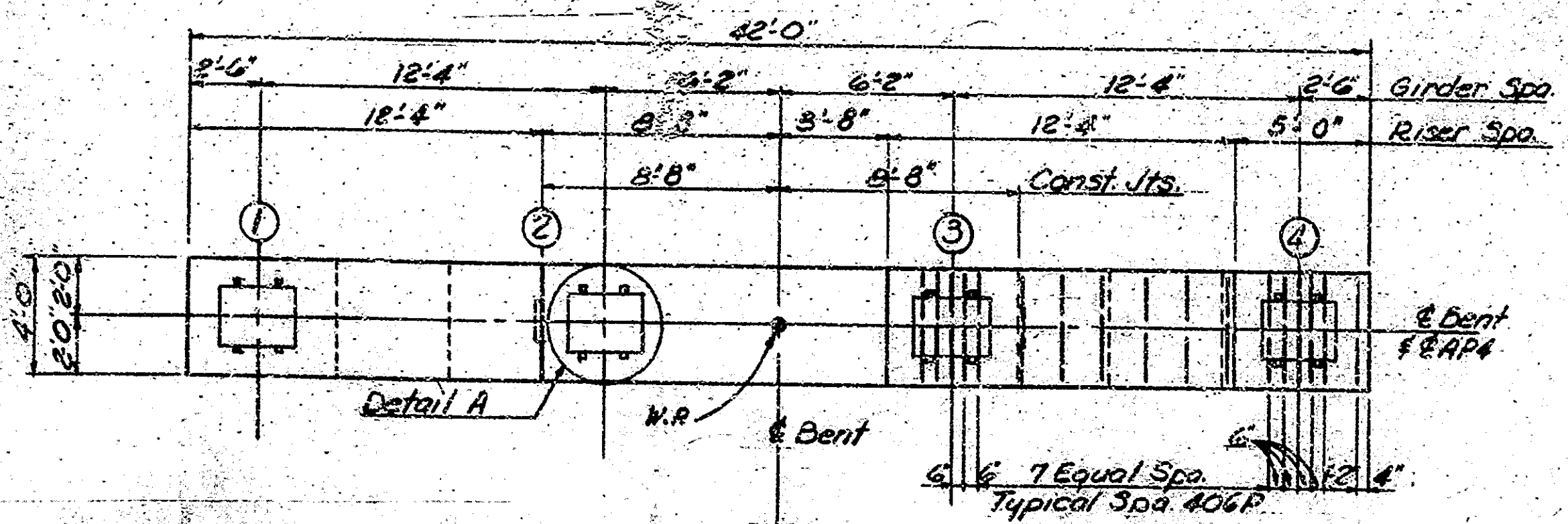
BRIDGE FILE: 135-A9-5763

Rev. 5-4-67 Reinf. Steel

| | |
|---------------|-----------|
| DESIGNED: JCR | CHKD: RH |
| DRAWN: WNC | CHKD: WNC |
| TRACED: JCR | CHKD: JCR |



| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PUB. ROAD DISTRICT | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | 3-124(2) | 1967 | 15 | 40 |



DESIGNED BY NCF, CRD 21
 DRAWN BY WJZ, CRD NCF
 CHECKED BY CWR

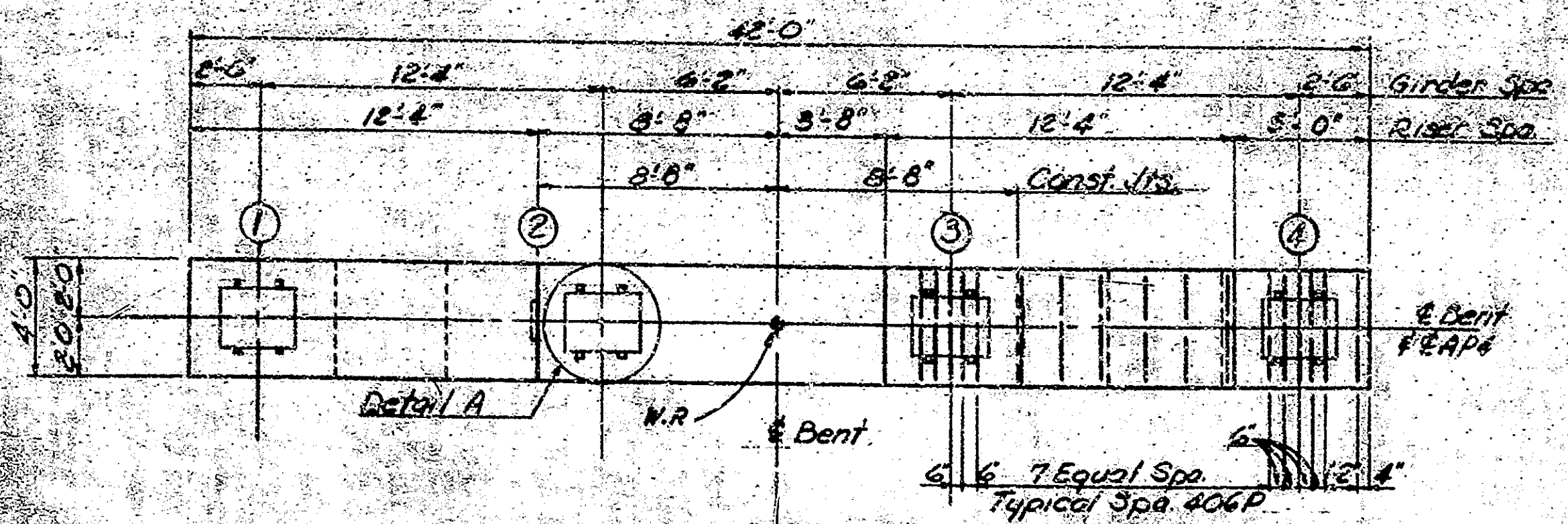
See Dwg 317 for Footing Details

BENT 3 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Condy*
 OCTOBER 14, 1966
 DRAWING: S11 OF 26
 PROJECT: S-124 (2)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

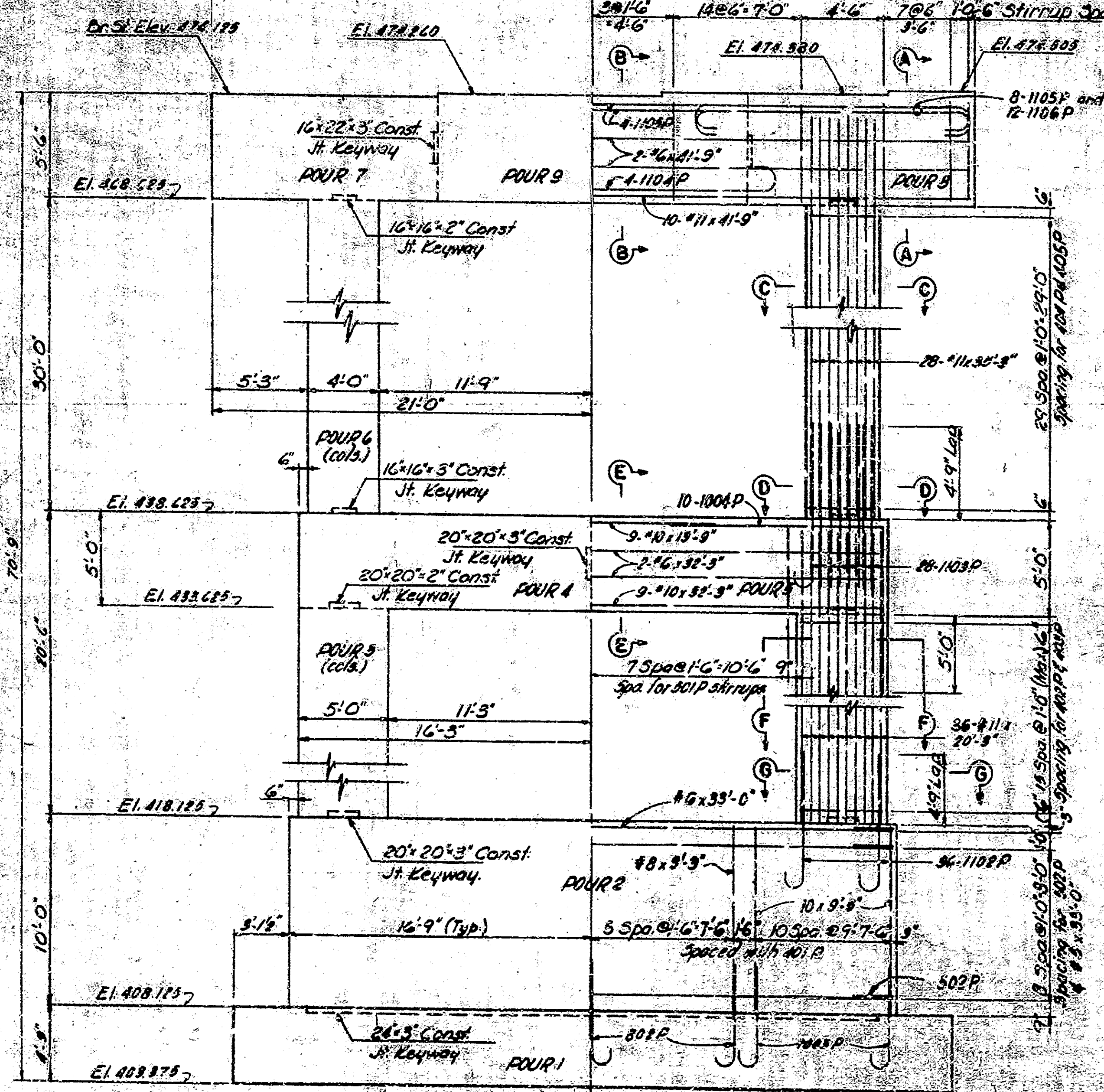


Ref. S-1-67 Rein. Steel

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| NO. OF BRIDGES | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124(1) | 1967 | 16 | 40 |

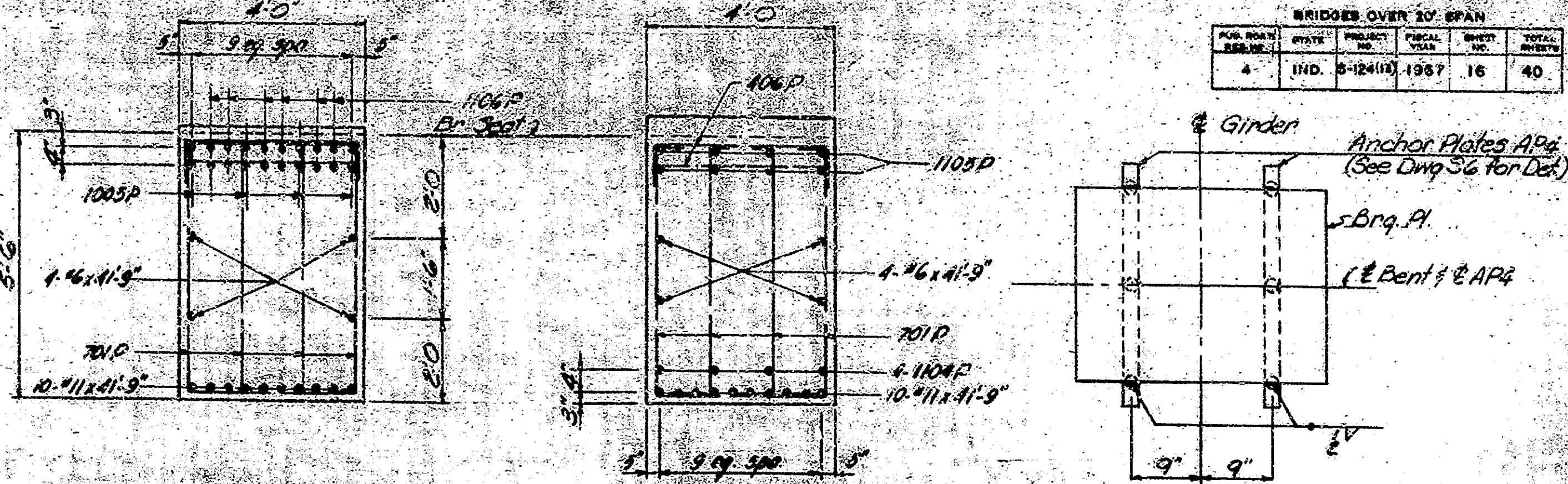


PLAN



ELEVATION

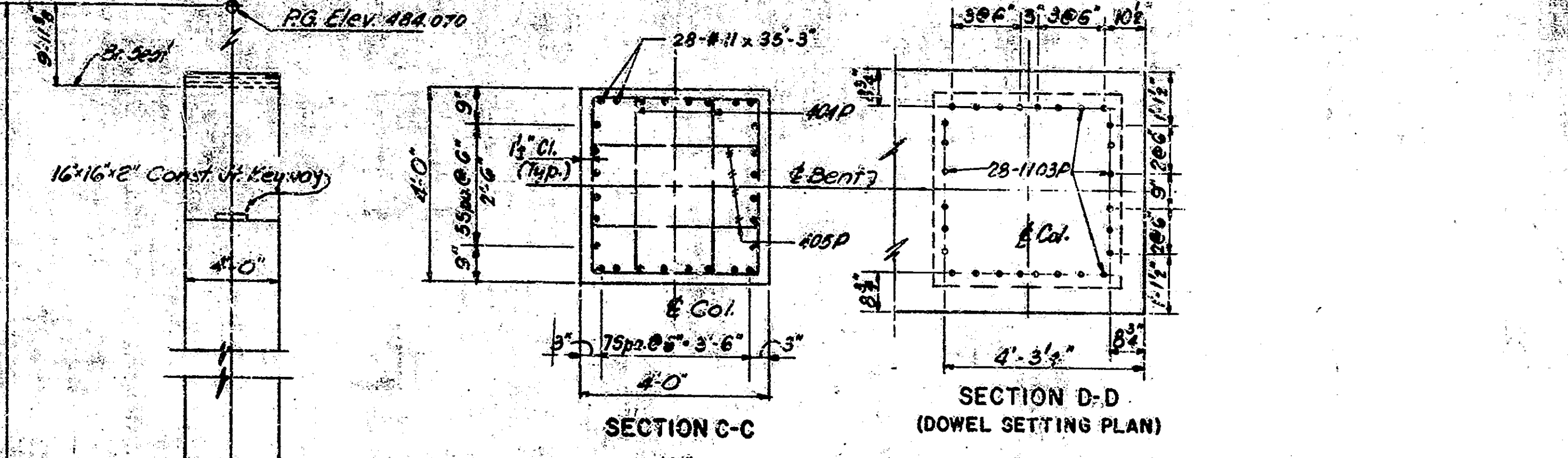
See Dwg 311 for Fastening Details



SECTION A-A

SECTION B-B

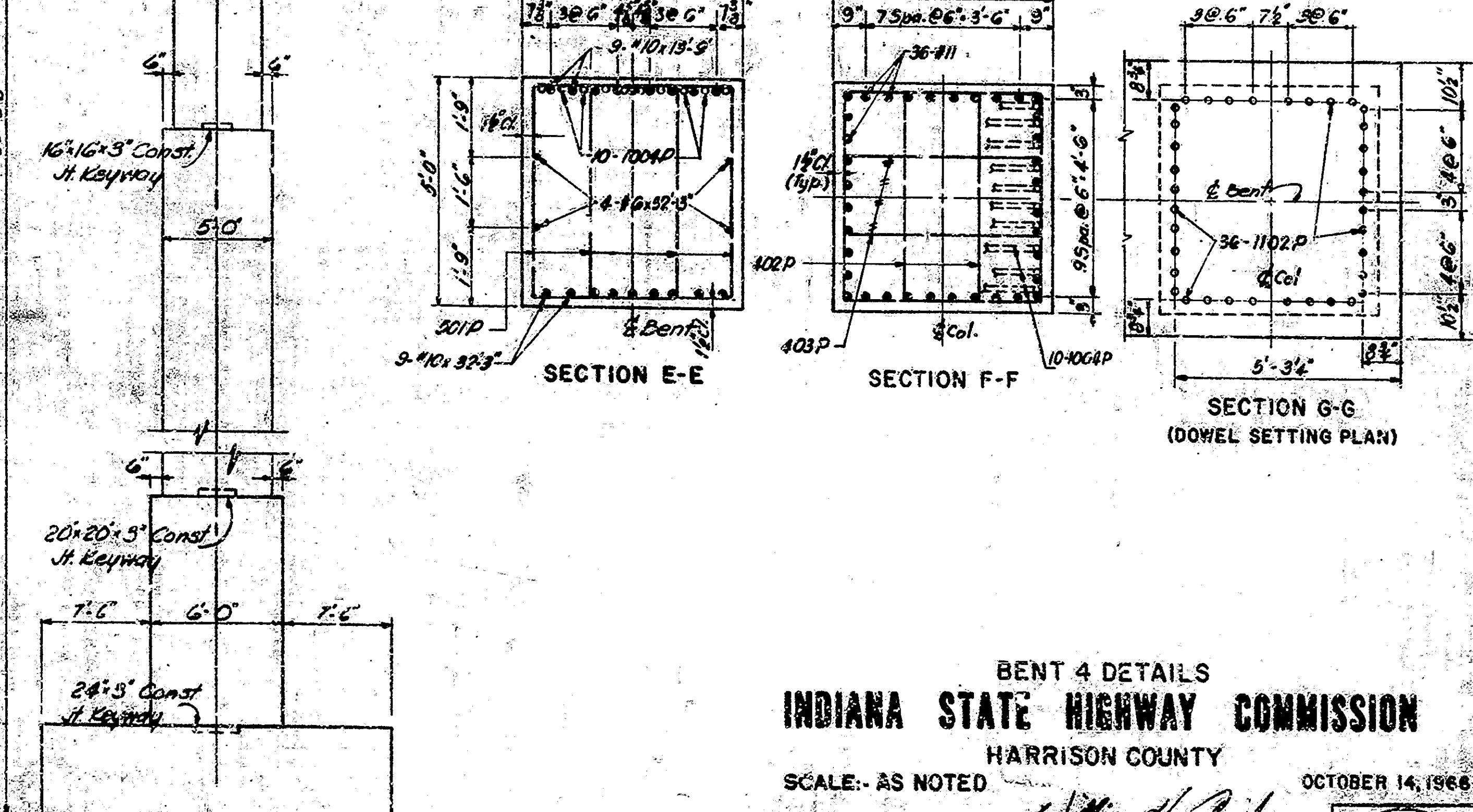
DETAIL A



SECTION C-C

SECTION D-D
(DOWEL SETTING PLAN)

SECTION E-E



SECTION F-F

SECTION G-G
(DOWEL SETTING PLAN)

END VIEW

BENT 4 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

SCALE: AS NOTED
 OCTOBER 14, 1966

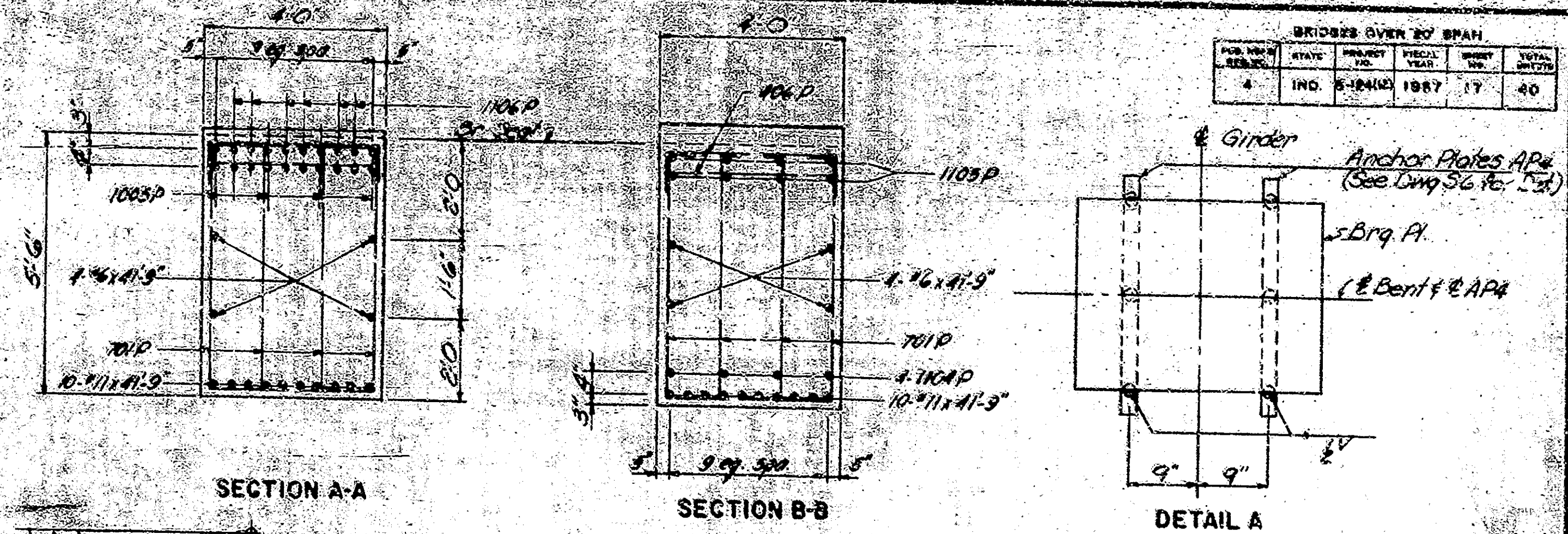
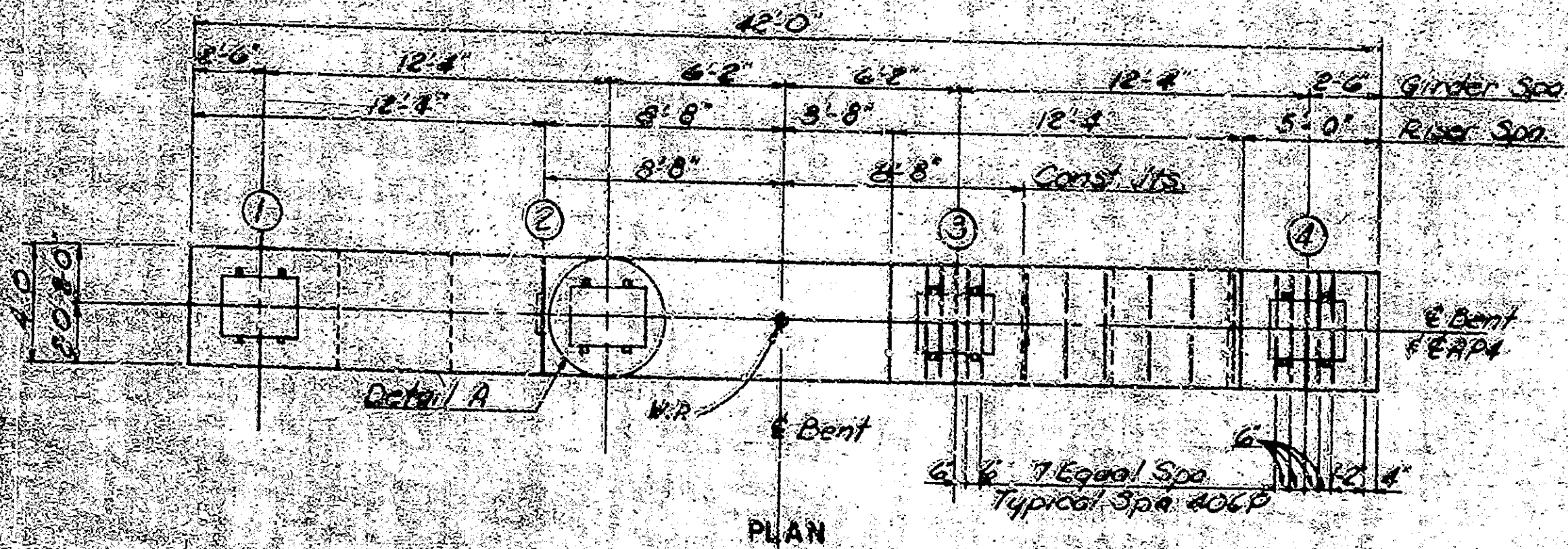
SUBMITTED FOR APPROVAL: *William H. Bandy*

DRAWING: S12 OF 26
 PROJECT: S-124(1)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 133-23-0765

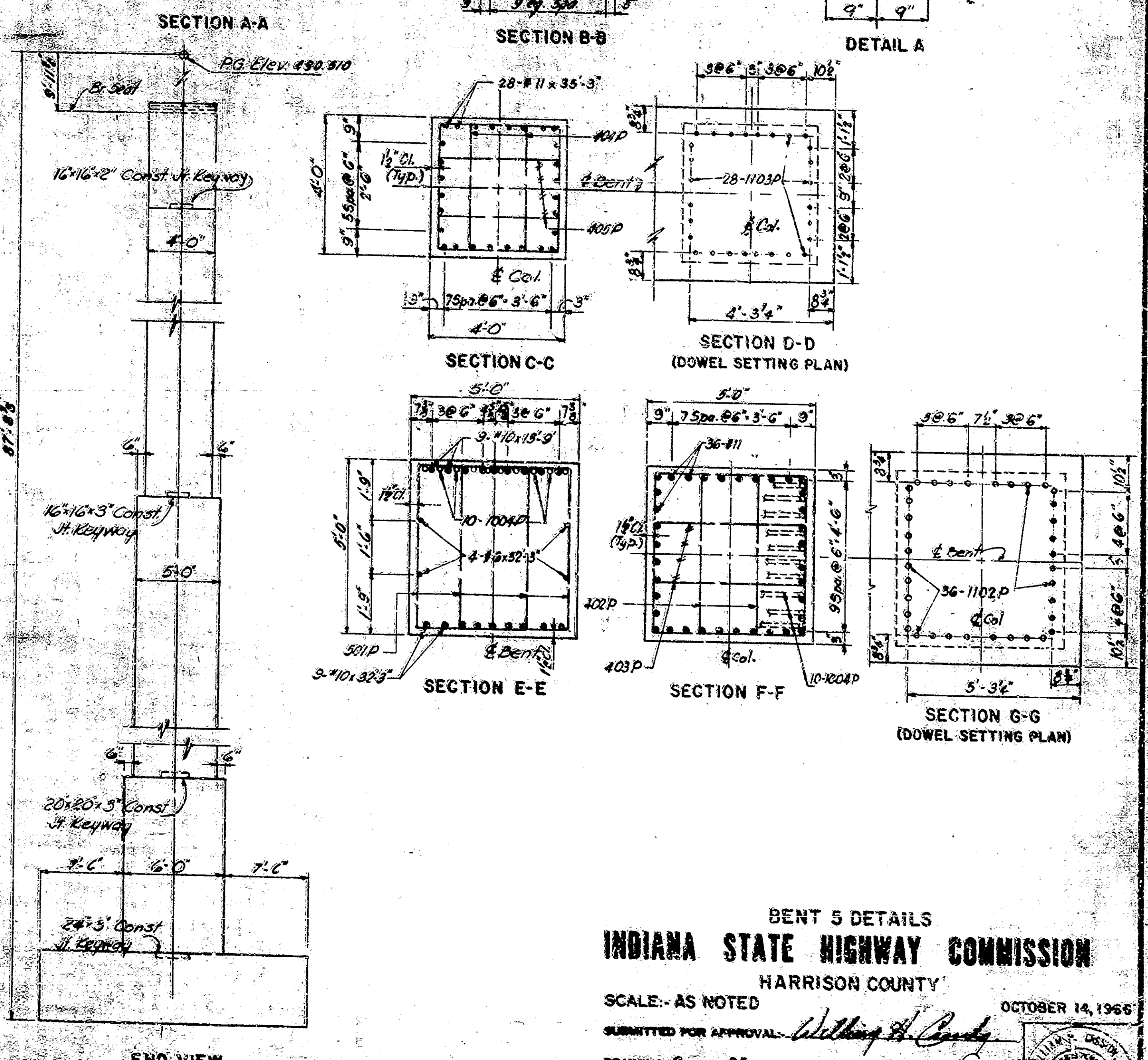
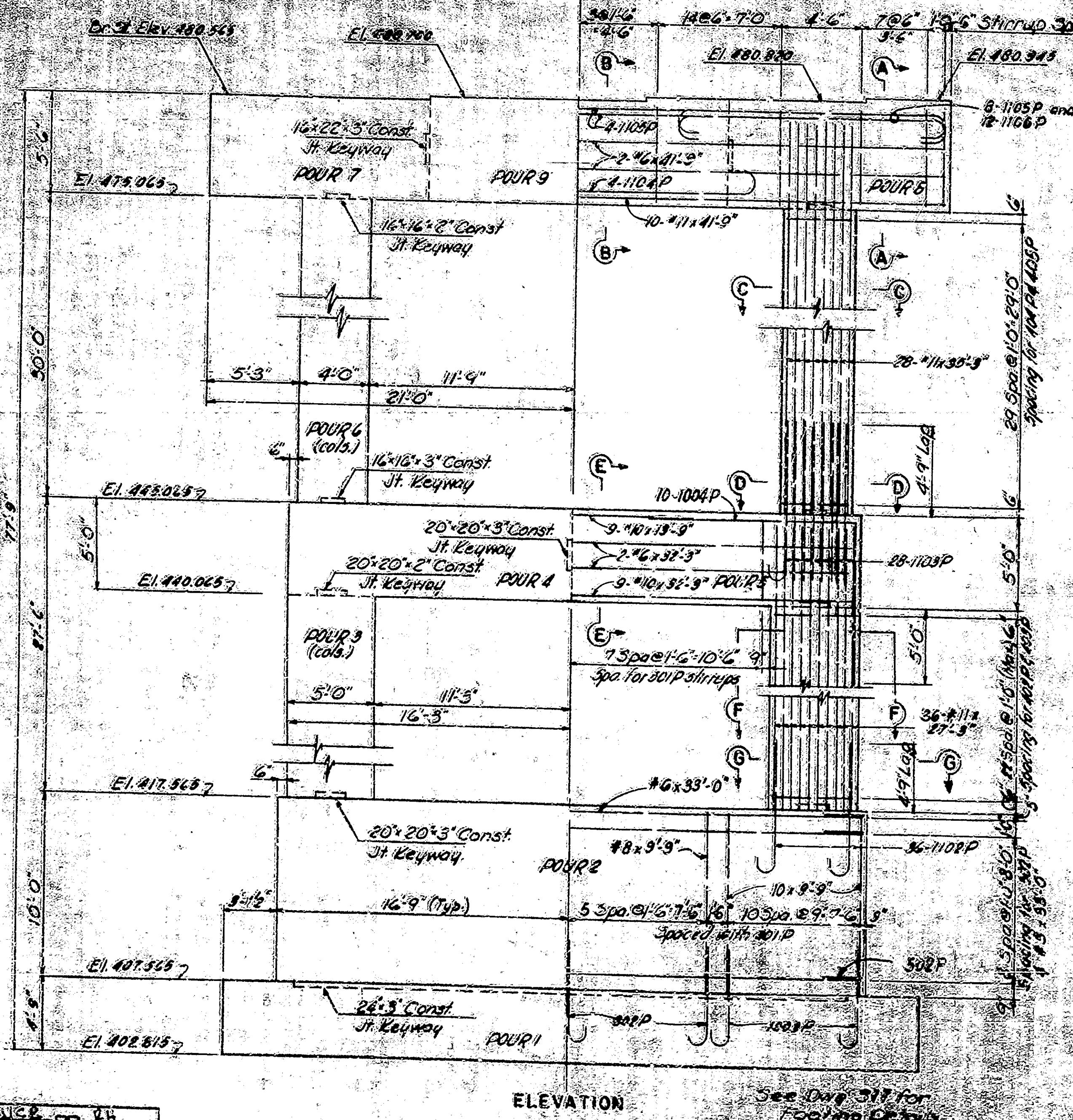


DESIGNED: NCR
 DRAWN: WJC
 CHECKED: NCR
 TITLE: SDC

Rev. 5-4-67 Point 5/1a7



| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| FOR NEW BRIDGES | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124 | 1967 | 17 | 40 |



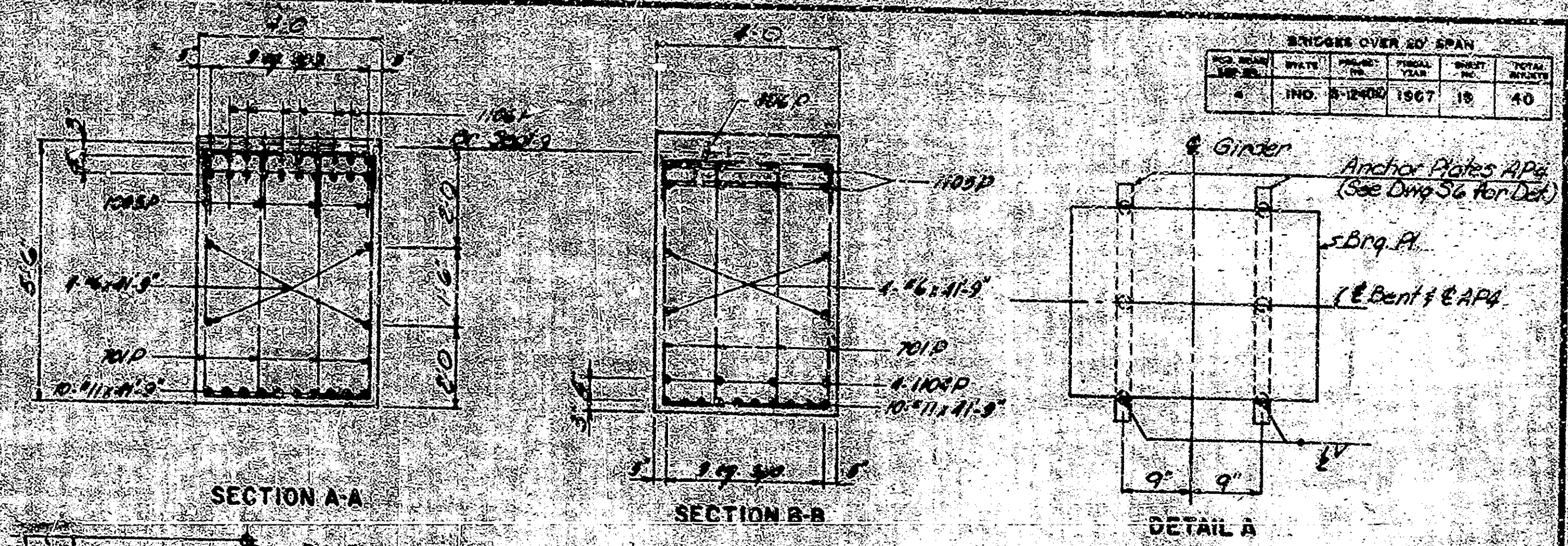
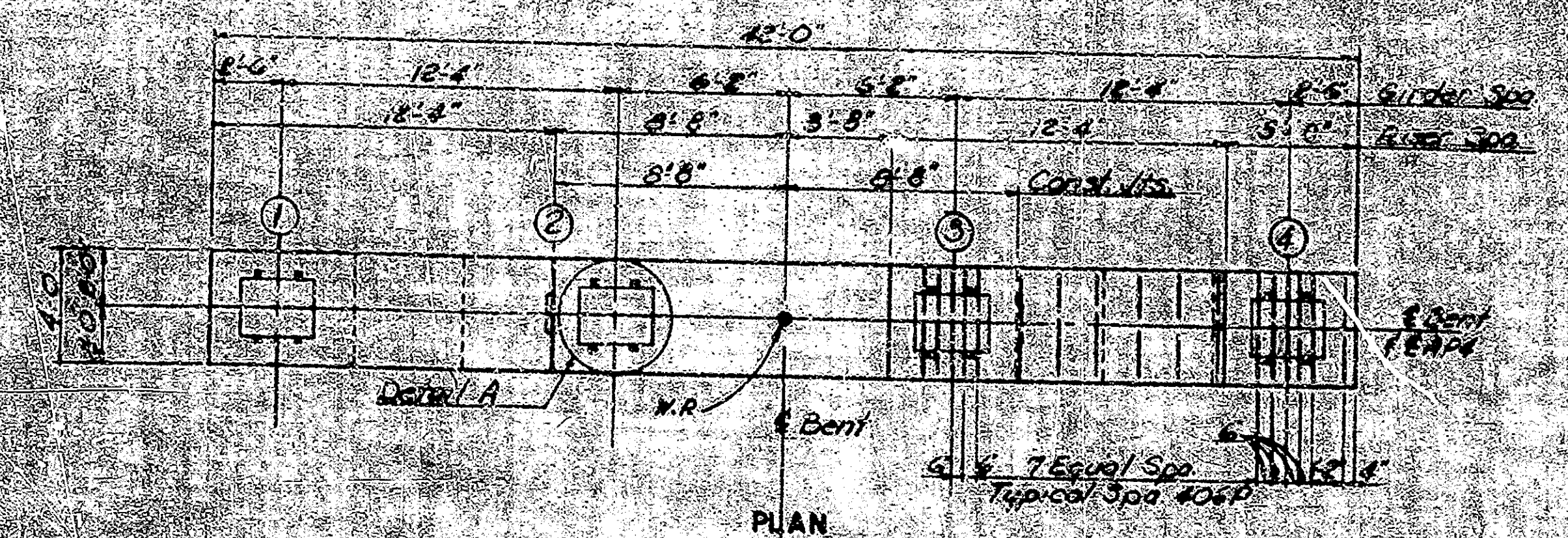
BENT 5 DETAILS
 INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Conroy*
 OCTOBER 14, 1966
 DRAWING: SIX OF 26
 PROJECT: S-124 (L)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-AS-5763

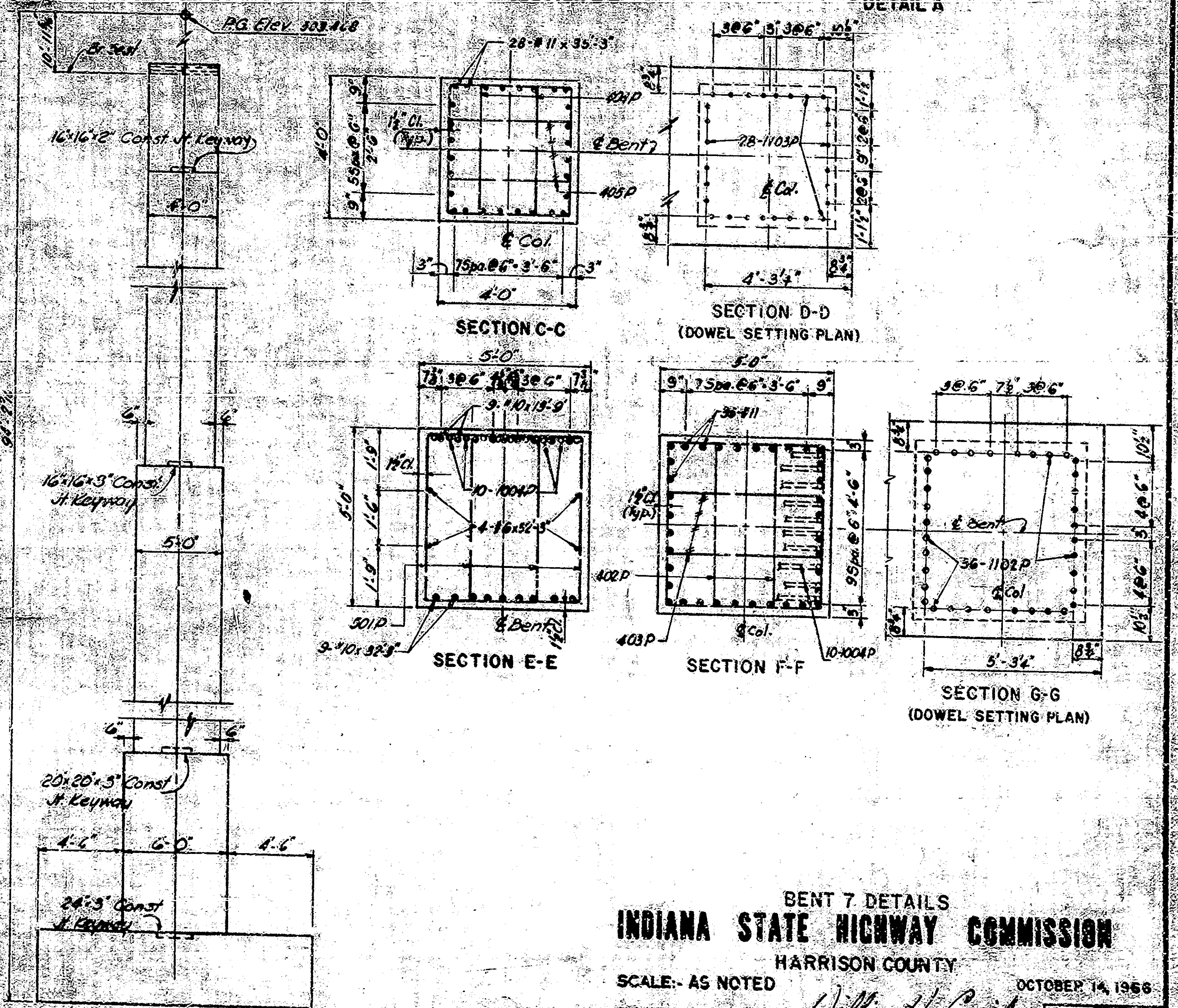
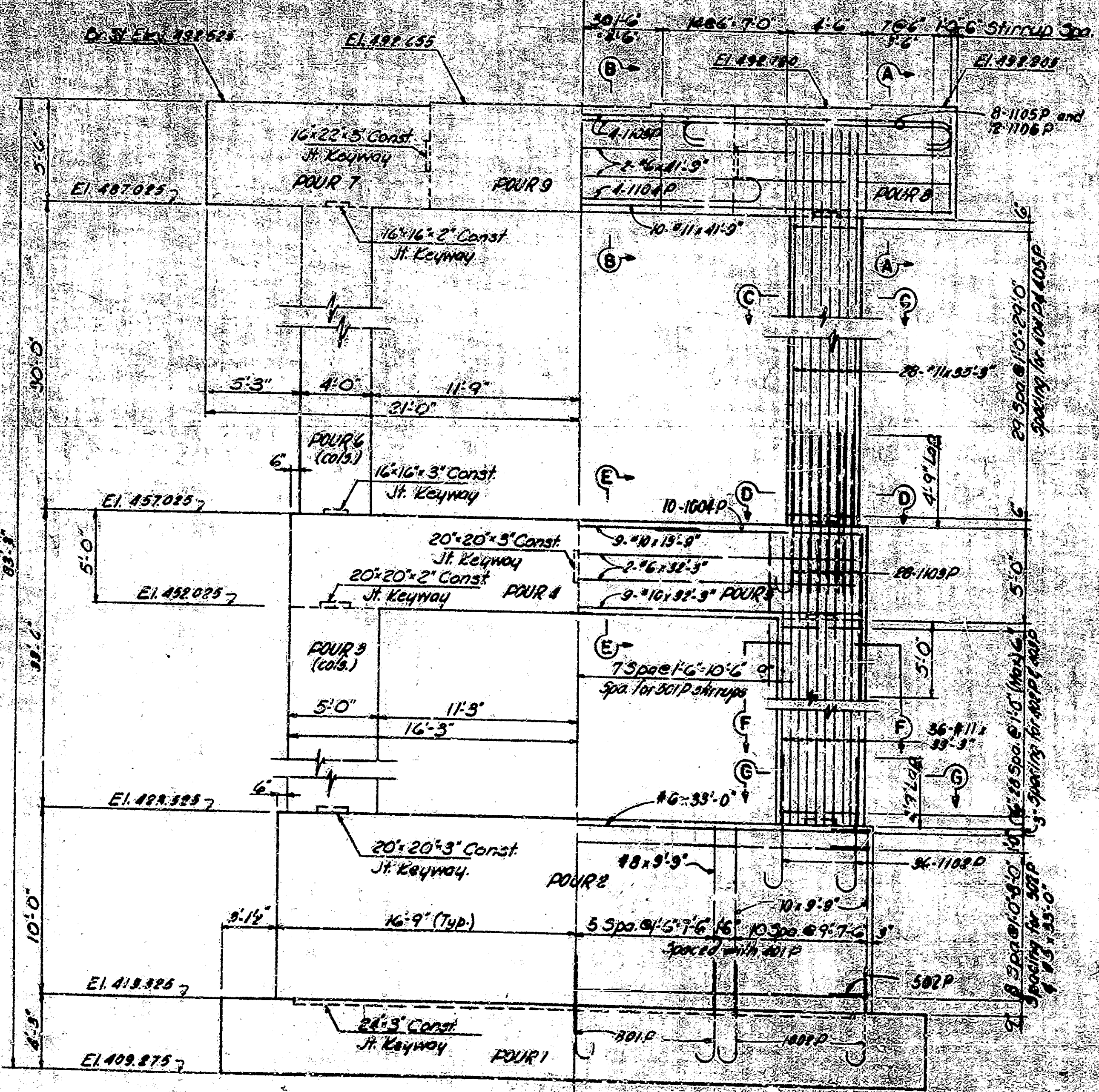
DESIGNED: NCE, CTS, RH
 DRAWN: WJC, CTS, NCE
 TRACES: CTS

See Comp. SIV for Footing Details

REV. 5-4-67 Anchor Steel



| BRIDGE OVER 20' SPAN | | | | | |
|----------------------|--------|--------|-------|-------|--------|
| NO. BEAMS | WIDTH | SPAN | TOTAL | NO. | TOTAL |
| SPACED | IN FT. | IN FT. | SPAN | PIERS | LENGTH |
| 2 | 16'-0" | 150' | 150' | 18 | 40 |

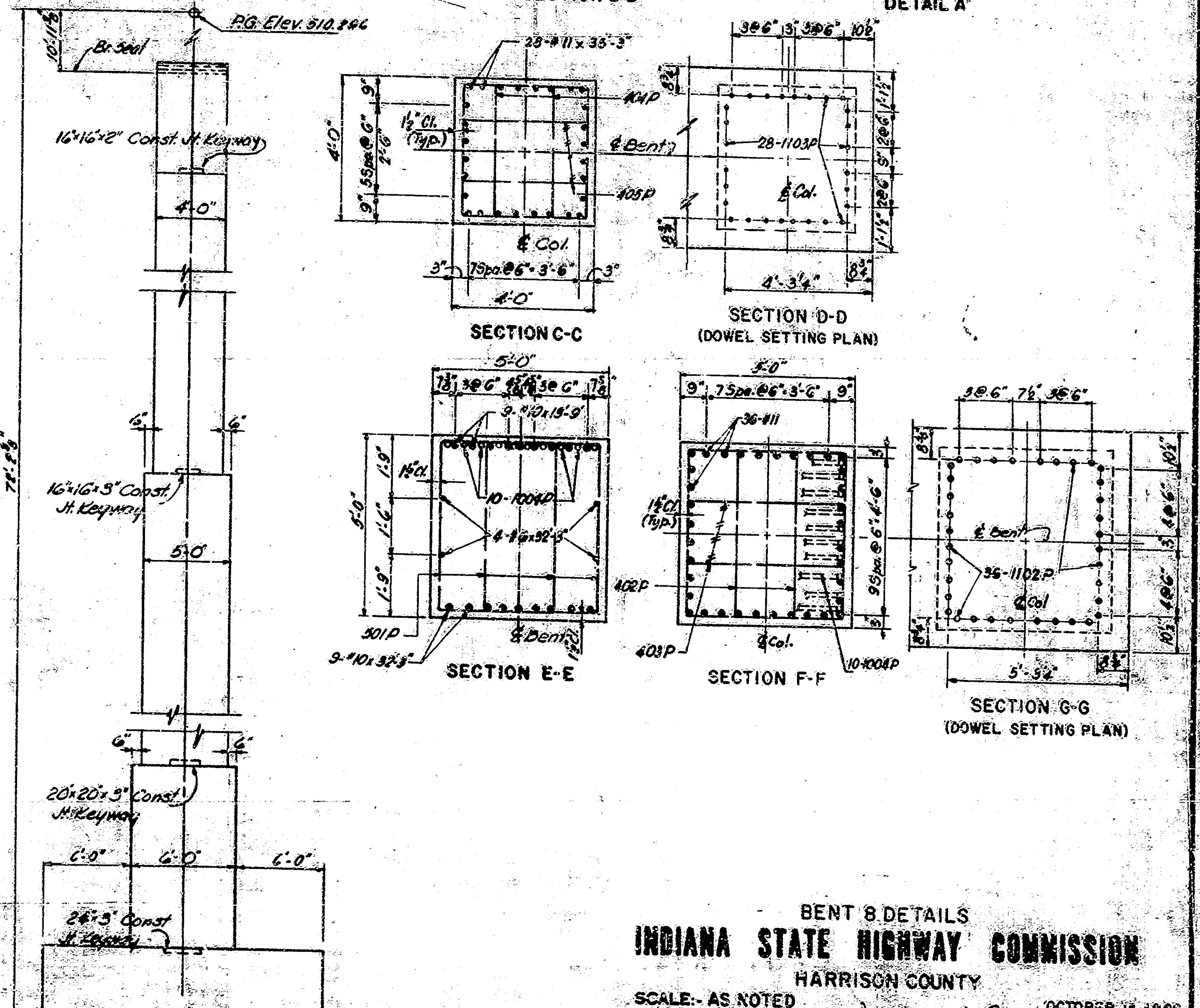
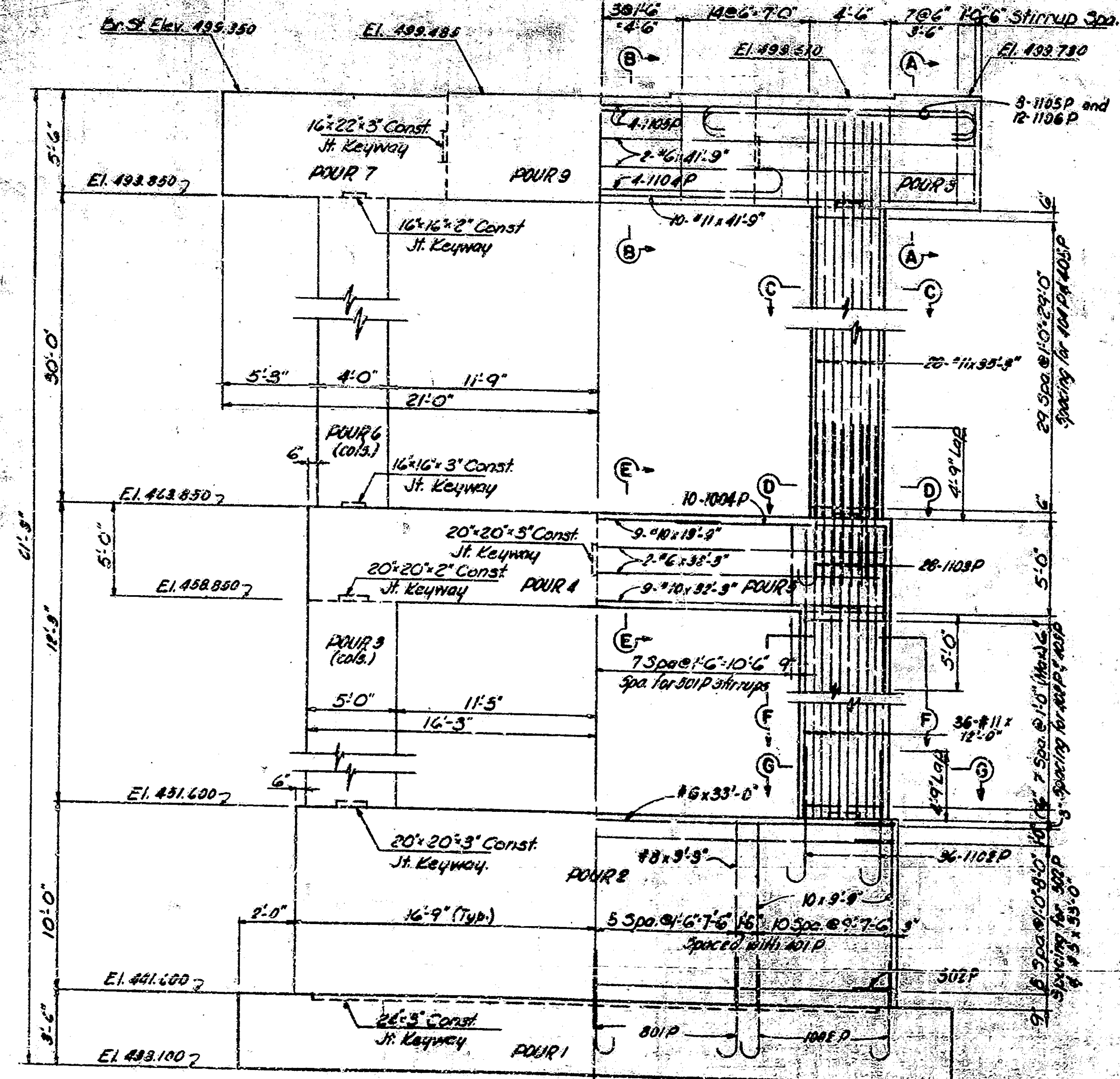
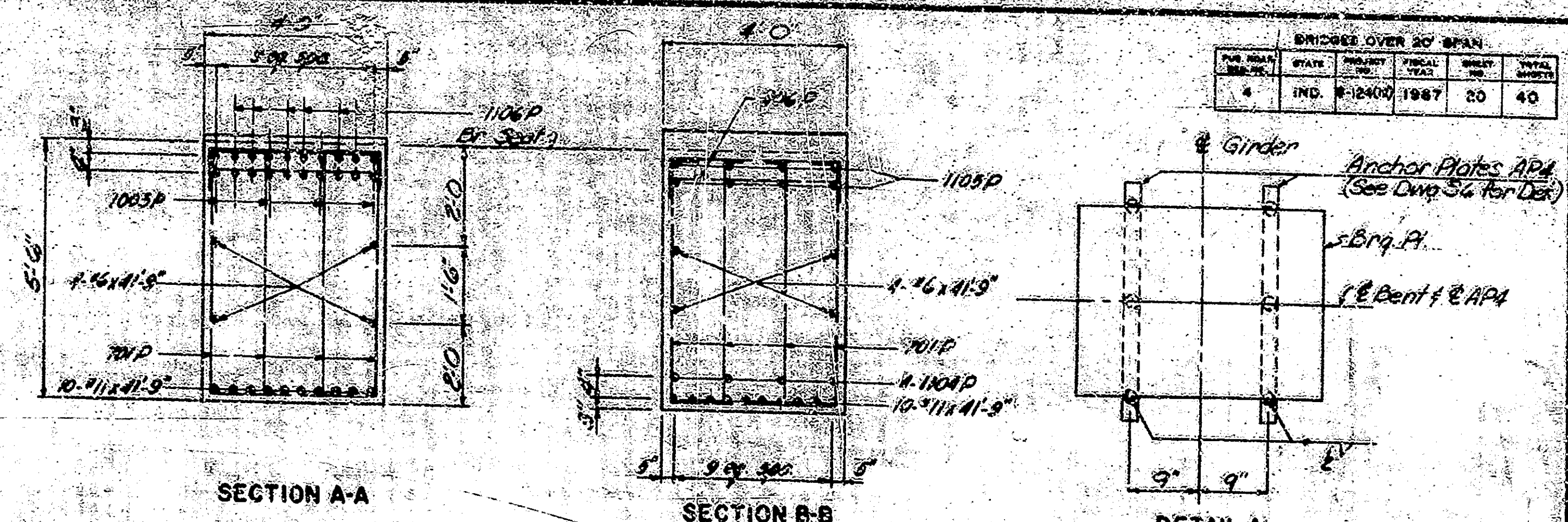
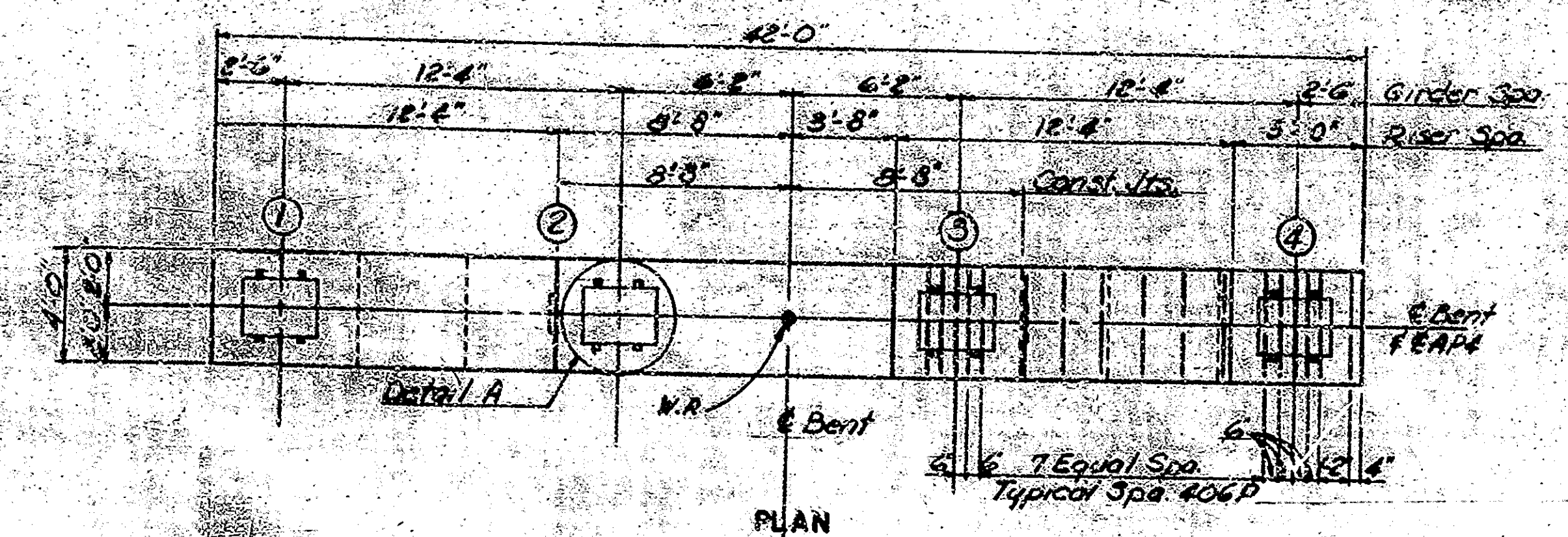


DESIGNED: N.C.P. CIVIL
 DRAWN: J.W.C. CIVIL
 CHECKED: C.R.V.

BENT 7 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: AS NOTED
 SUBMITTED FOR APPROVAL: *William H. Conroy*
 OCTOBER 14, 1966
 DRAWING: S18 OF 26
 PROJECT: S-124(2)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5753



| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|---------|------------|-----------|--------------|
| FILE NO. | STATE | PROJECT | TOTAL FEET | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | 12400 | 1987 | 20 | 40 |

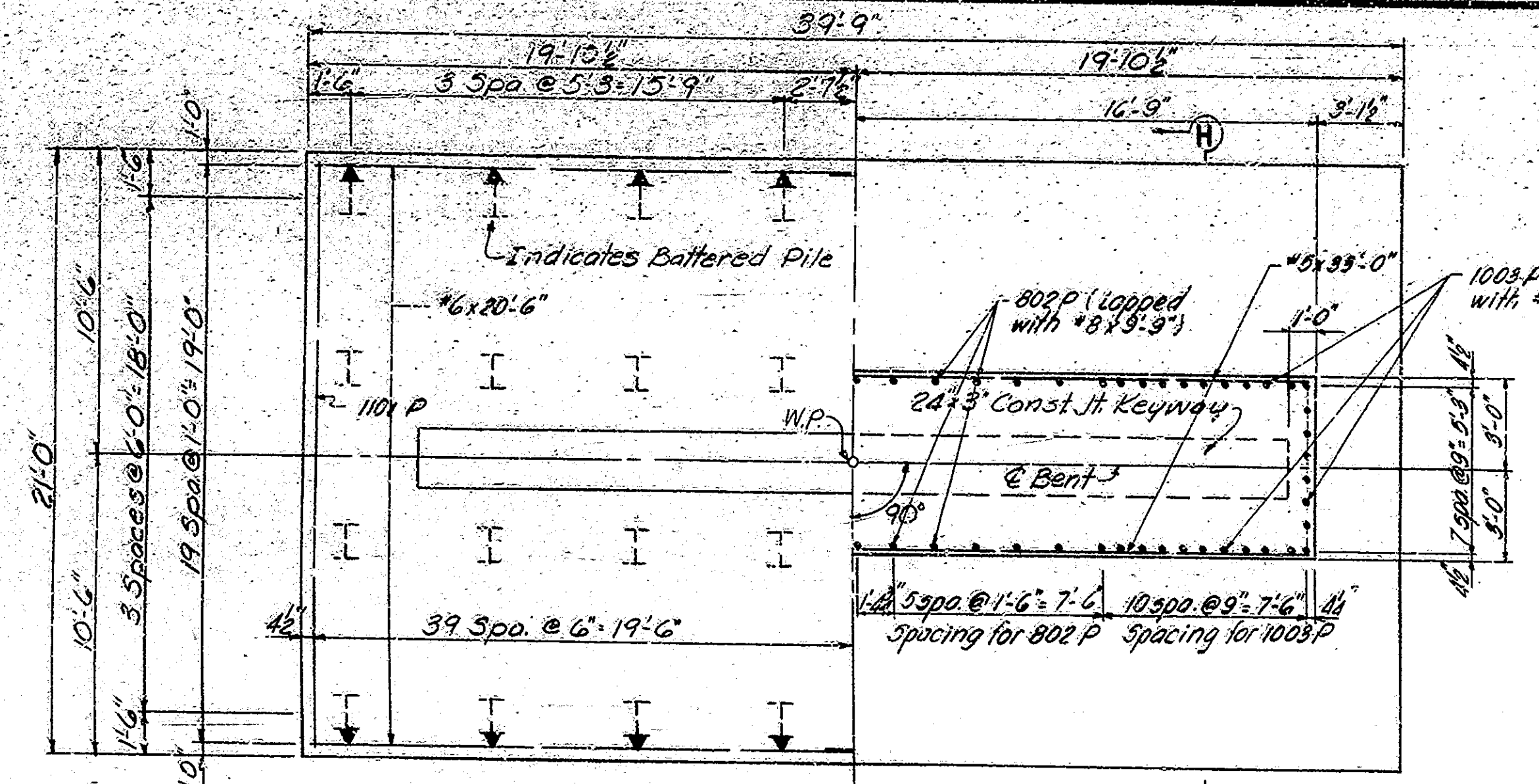


BENT 8 DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE - AS NOTED
 SUBMITTED FOR APPROVAL: *William A. Cassidy*
 OCTOBER 14, 1986
 DRAWING: S18 OF 26
 PROJECT: S-124 (R)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-3763

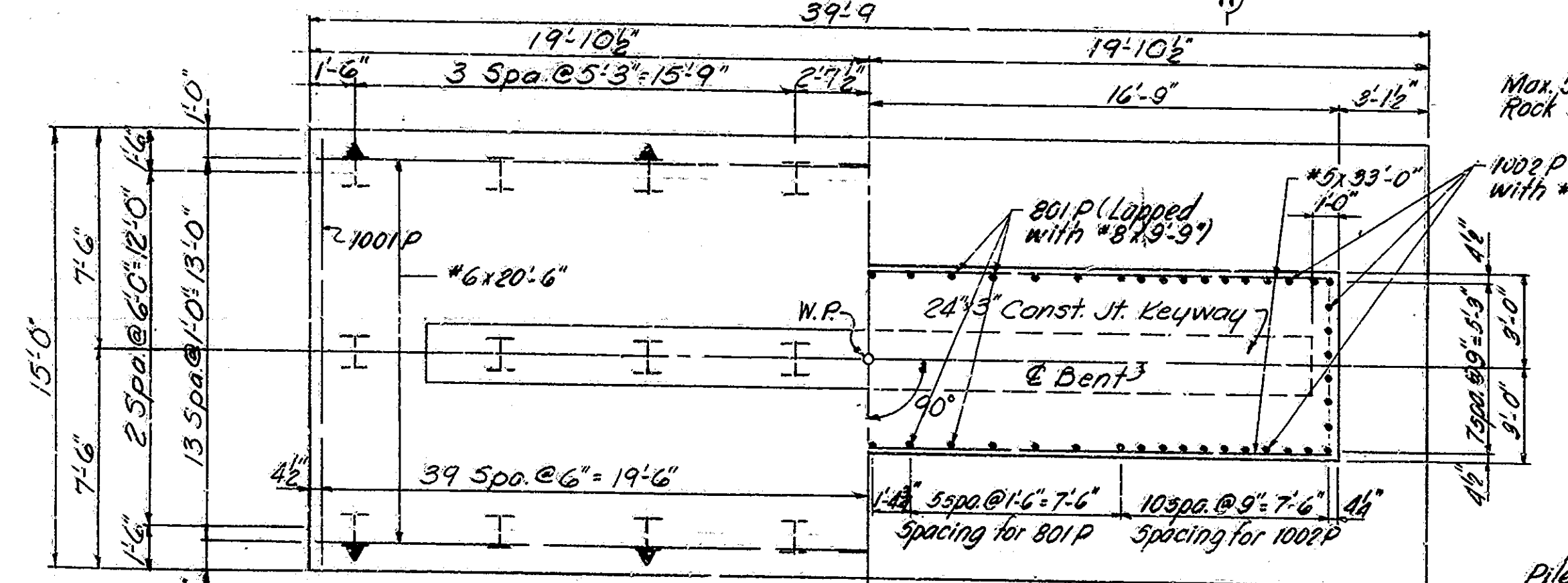
| | |
|---------------|--------------|
| DESIGNED: UCB | CHECKED: UCB |
| DRAWN: WJC | CHECKED: UCB |
| TRACED: UCB | |

Rev. 5-4-67 Rein. Steel

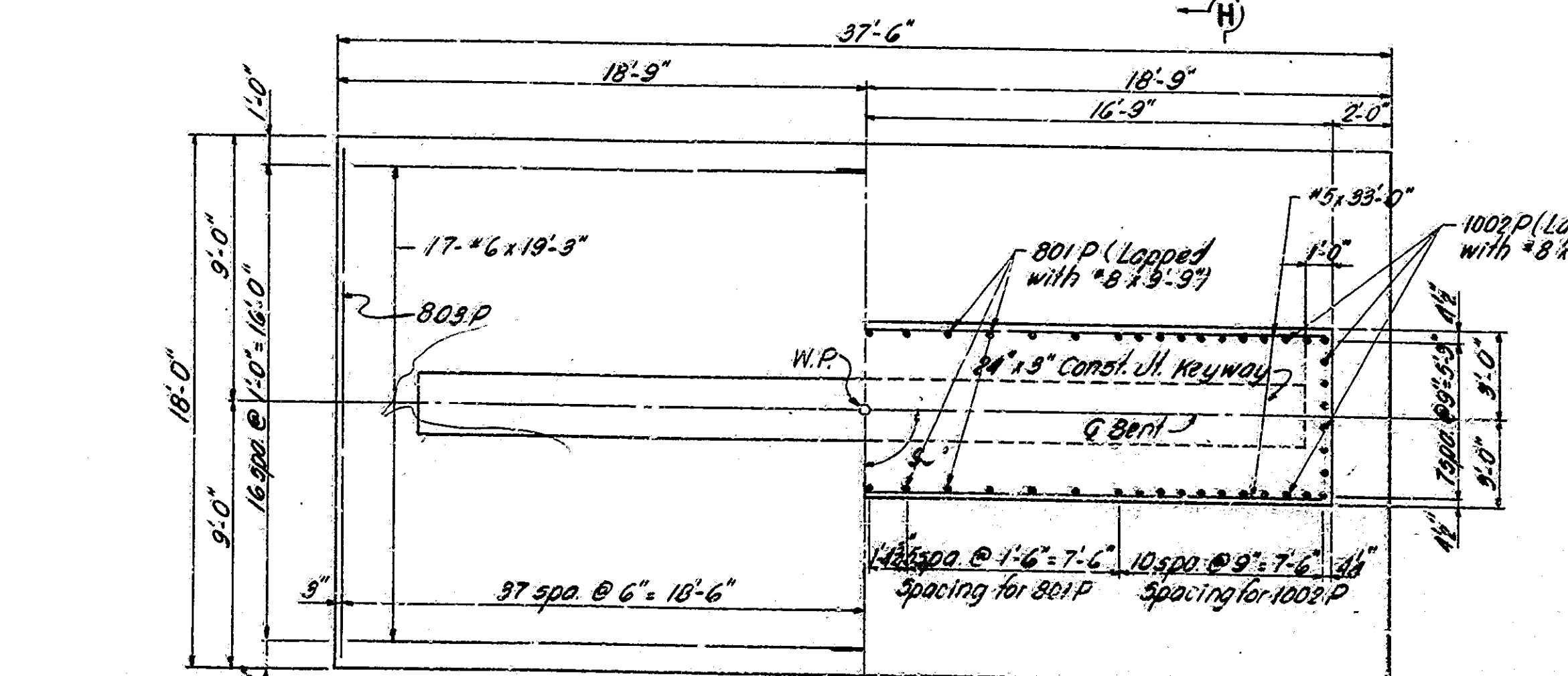
| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-----------|--------|-------|--------|
| PUB. ROAD | STATE | PROJECT | FISCAL | SHEET | TOTAL |
| REQ. NO. | | NO. | YEAR | NO. | SHEETS |
| 4 | IND. | S-124(12) | 1967 | 21 | 40 |



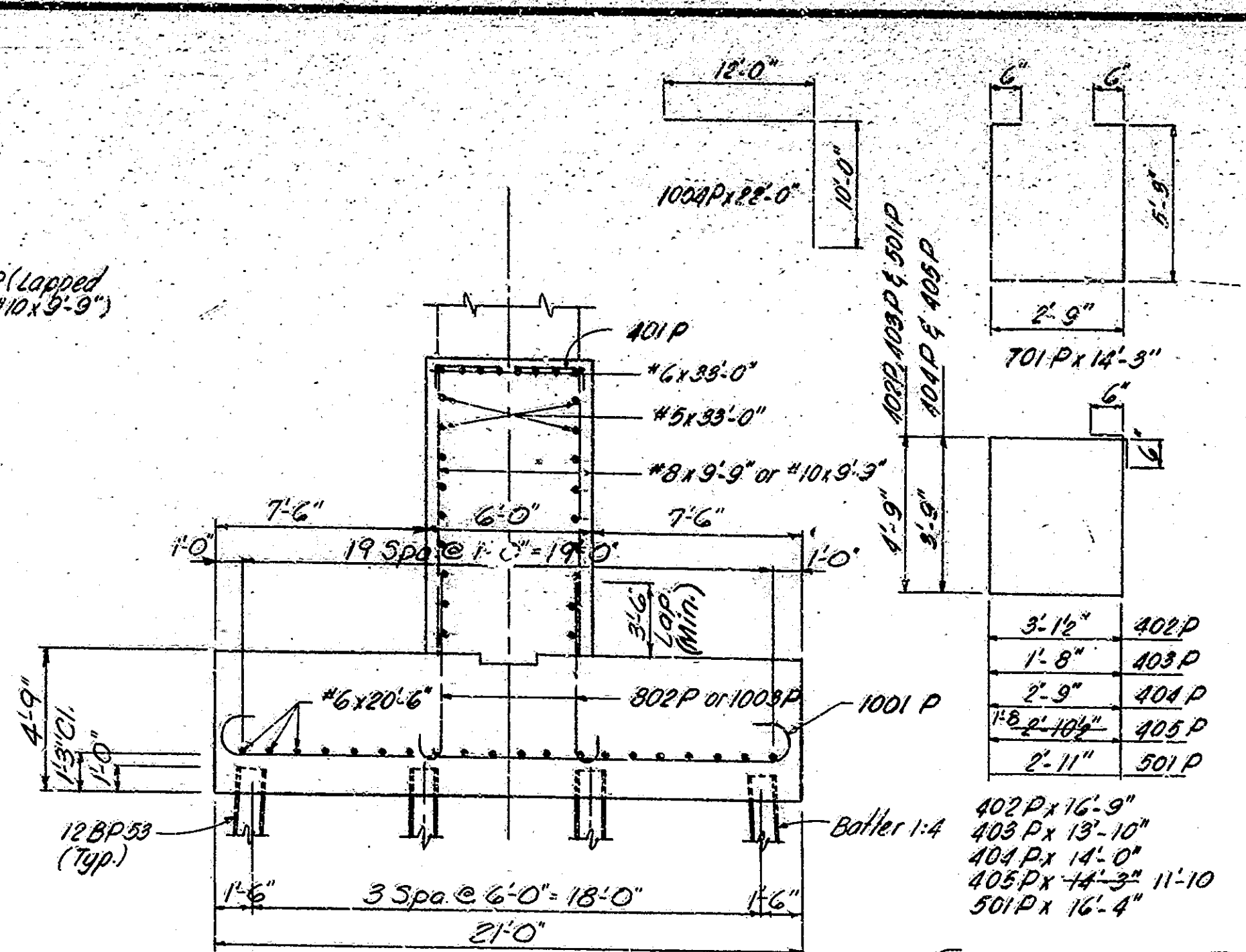
FOOTING PLAN BENTS 4, 5 & 6



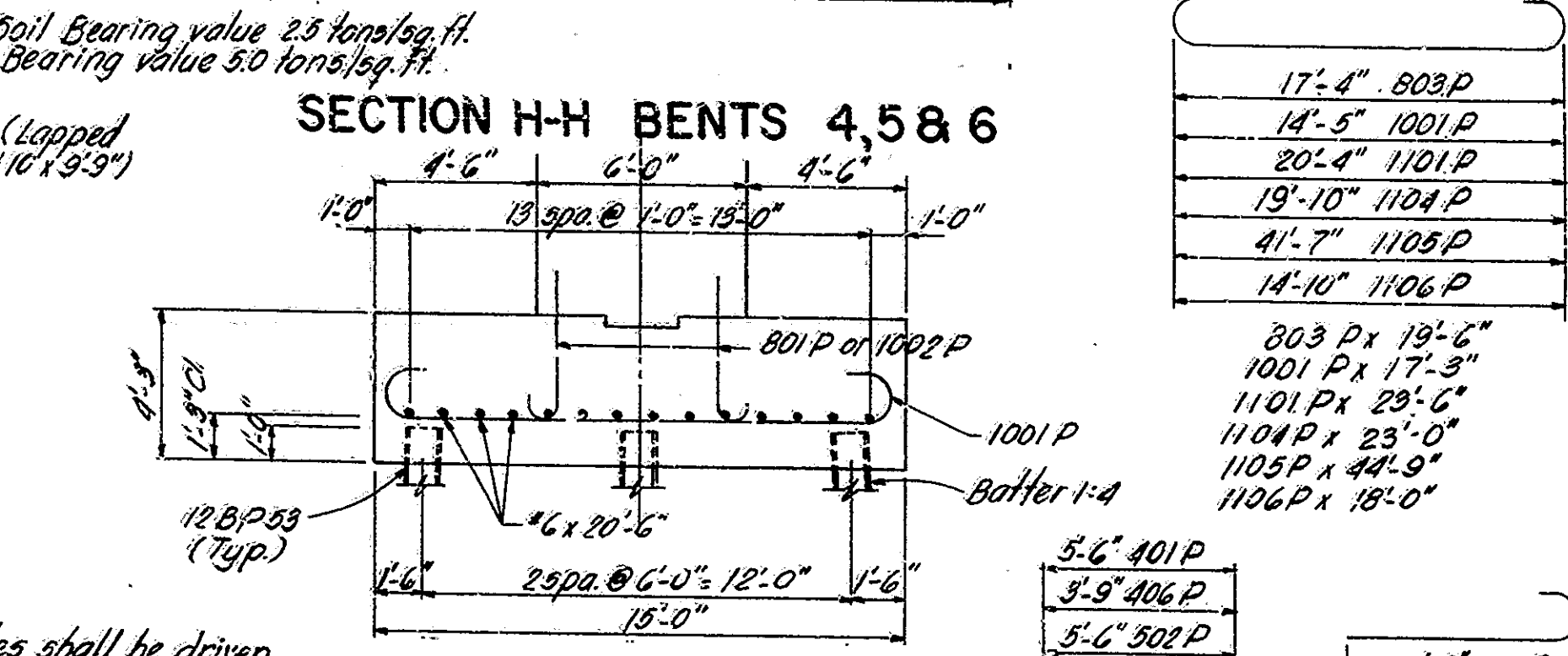
FOOTING PLAN BENTS 2, 3 & 7



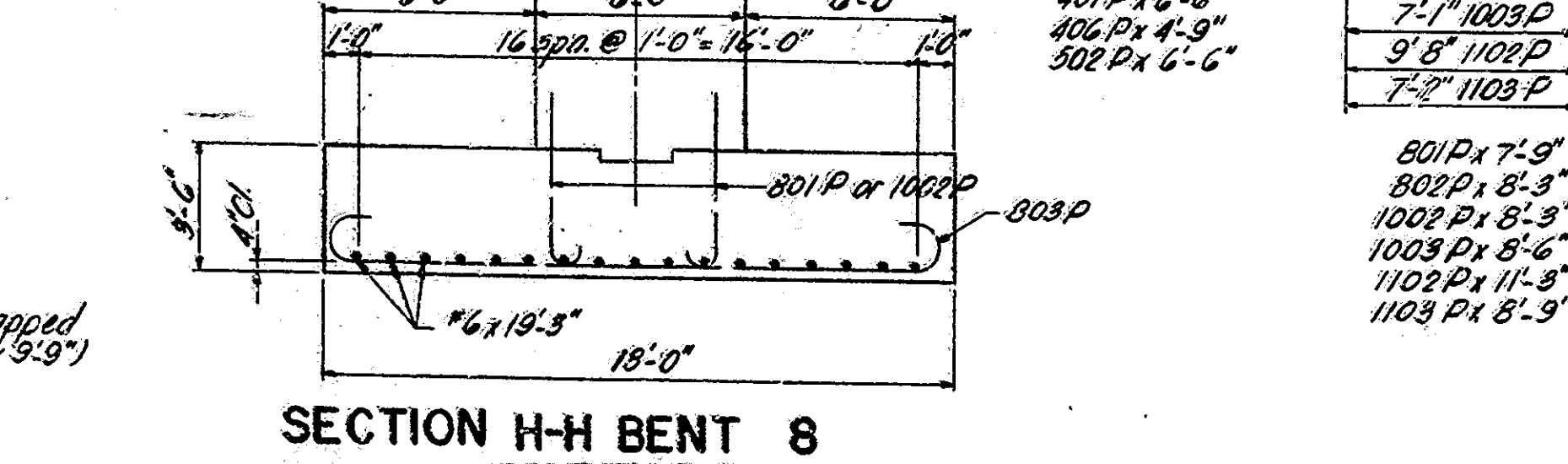
FOOTING PLAN BENT 8



SECTION H-H BENTS 4, 5 & 6



SECTION H-H BENTS 2, 3 & 7



SECTION H-H BENT 8

| CONCRETE | | | | | | | | | | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|
| Class F in Cap | Bent 2 | Bent 3 | Bent 4 | Bent 5 | Bent 6 | Bent 7 | Bent 8 | Total | | |
| Pour 7 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | | |
| Pour 8 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | | |
| Pour 9 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | | |
| Total Class F in Cap | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 246.4 | |
| Class D in Col. Pour 6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | | |
| Class D in Col. Pour 3 | — | 15.7 | 22.7 | 41.7 | 52.8 | 52.8 | 19.4 | | | |
| Class D in Strat Pour 5 | — | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | | | |
| Total Class D | 35.6 | 81.3 | 94.3 | 107.3 | 118.4 | 118.4 | 79.0 | 634.3 | | |
| Class E above Pile Pour 2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 520.8 | | |
| Class E in Flo Pour 1 | 93.9 | 93.9 | 146.9 | 146.9 | 146.9 | 93.9 | 87.5 | 209.9 | | |

| MISCELLANEOUS | | | | | | | | | | |
|----------------------|----|----|----|----|----|----|----|----|----|-----|
| Anchor Plates AP4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 56 | |
| Steel H Piles 12BP53 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 240 |

| BILL OF REINFORCING STEEL | | | | | | | | | | | | |
|---------------------------|-----------------------|------|------|------|------|------|------|-----|--------|---------|----------|---|
| SIZE & MARK | NO. OF BARS EACH BENT | | | | | | | | LENGTH | WEIGHT | BENT NO. | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| 1101P | — | — | 72 | 72 | 72 | 72 | 72 | 72 | 23'-6" | | | |
| 1102P | — | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 11'-9" | | | |
| 1103P | — | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 8'-9" | | | |
| 1104P | — | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 23'-0" | | | |
| 1105P | — | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 44'-9" | | | |
| 1106P | — | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 18'-0" | | | |
| #11 | — | — | — | — | — | — | — | — | 13'-9" | 18848 | 2 | |
| #11 | — | — | — | — | — | — | — | — | 20'-9" | 28220 | 1 | |
| #11 | — | — | — | — | — | — | — | — | 27'-9" | 40761 | 4 | |
| #11 | — | — | — | — | — | — | — | — | 33'-9" | 43439 | 3 | |
| #11 | — | — | — | — | — | — | — | — | 39'-9" | 45734 | 6 | |
| #11 | — | — | — | — | — | — | — | — | 41'-9" | 35871 | 7 | |
| #11 | — | — | — | — | — | — | — | — | 41'-9" | 27897 | 8 | |
| 1001P | 79 | 79 | — | — | — | — | — | 79 | 17'-3" | 10201 | 2 | |
| 1002P | 56 | 56 | — | — | — | — | — | 56 | 8'-9" | 12330 | 3 | |
| 1003P | — | — | 56 | 56 | 56 | — | — | — | 8'-6" | 7126 | 4 | |
| 1004P | — | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 22'-0" | 7126 | 5 | |
| #10 | — | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 32'-9" | 7126 | 6 | |
| #10 | — | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 13'-9" | 12330 | 7 | |
| #10 | — | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 9'-9" | 7066 | 8 | |
| | | | | | | | | | | 1028 | 2 | |
| | | | | | | | | | | 1028 | 3 | |
| | | | | | | | | | | 1057 | 4 | |
| 801P | 22 | 22 | — | — | — | — | — | 22 | 7'-9" | 1057 | 5 | |
| 802P | — | — | 22 | 22 | 22 | — | — | — | 8'-3" | 1057 | 6 | |
| 803P | — | — | — | — | — | — | — | — | 75 | 19'-6" | 1028 | 7 |
| #8 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 9'-9" | 4393 | 8 | |
| 701P | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 14'-3" | 3087 | 2-9 | |
| 402P | — | 36 | 64 | 92 | 116 | 116 | 32 | | | | | |
| 403P | — | 18 | 32 | 46 | 58 | 58 | 16 | | | | | |
| 404P | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | | | | |
| | | | | | | | | | | 1510 | 2 | |
| | | | | | | | | | | 1709 | 3 | |
| #6 | 28 | 28 | 40 | 40 | 40 | 28 | — | — | 20'-6" | 2073 | 4 | |
| #6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | — | 53'-0" | 2073 | 5 | |
| #6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | — | 32'-9" | 2073 | 6 | |
| #6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | — | 41'-9" | 1709 | 7 | |
| #6 | — | — | — | — | — | — | — | — | 34 | 19'-9" | 1824 | 8 |
| 501P | — | 30 | 30 | 30 | 30 | 30 | 30 | — | 16'-4" | 1553 | 2 | |
| 502P | 20 | 20 | 20 | 20 | 20 | 20 | 20 | — | 6'-6" | 753 | 2 | |
| #5 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | — | 33'-0" | 1267 | 2 | |
| | | | | | | | | | | 1488 | 2 | |
| 401P | 33 | 33 | 33 | 33 | 33 | 33 | 33 | — | 6'-6" | 1566 | 3 | |
| 402P | — | 8 | 18 | 28 | 38 | 48 | 7 | — | 16'-9" | 1709 | 1 | |
| 403P | — | 8 | 18 | 28 | 38 | 48 | 7 | — | 18'-0" | 1854 | 1 | |
| 404P | 40 | 40 | 40 | 40 | 40 | 40 | 40 | — | 14'-0" | 1510 | 1 | |
| 405P | 60 | 60 | 60 | 60 | 60 | 60 | 60 | — | 14'-0" | 1510 | 1 | |
| 106P | 40 | 40 | 40 | 40 | 40 | 40 | 40 | — | 11'-9" | 1544 | 1 | |
| 503P | 1867 | 2436 | 2874 | 3381 | 3701 | 3701 | 2379 | | | 341,346 | | |
| | | | | | | | | | | 371,606 | | |

BENTS 2 THROUGH 8 FOOTING DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: 1/4" = 1'-0" UNLESS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 OCTOBER 14, 1966
 DRAWING: 57 OF 26
 PROJECT: S-124(12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

DESIGNED: NCR, ERH, CKD, RHE, NCR
 DRAWN: W.B.C., CKD, NCR
 TRACED: CKD

Rev. 5-4-67 Bill of Materials

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PUB. ROAD REG. NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 22 | 40 |

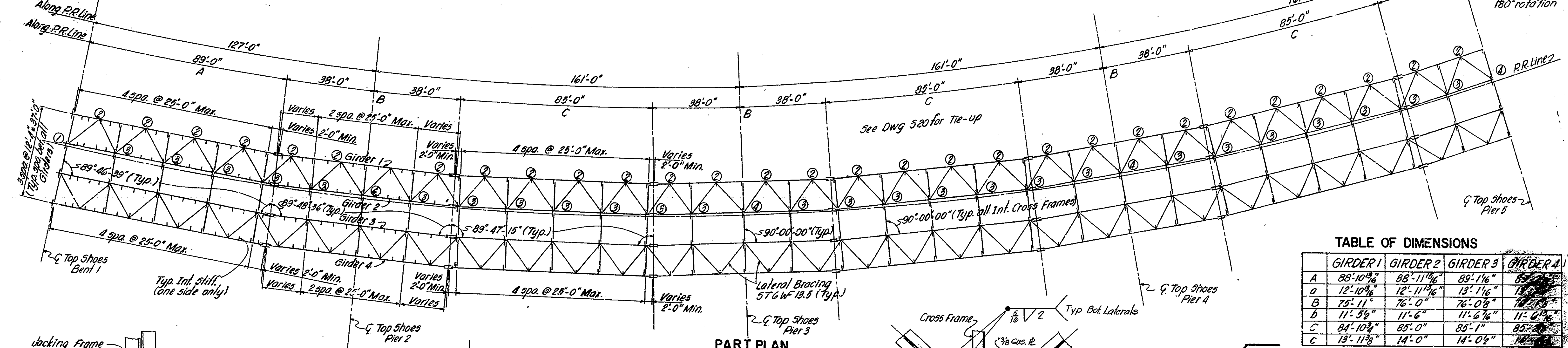
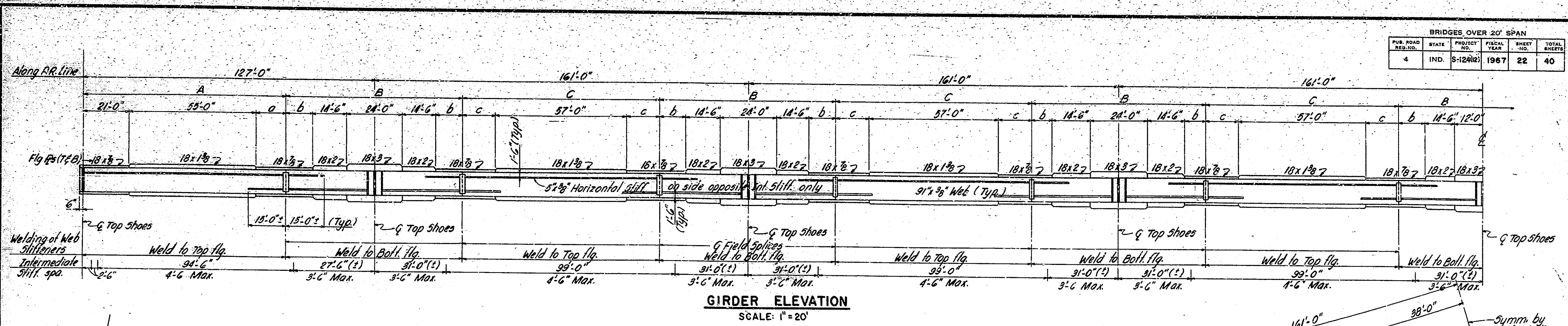
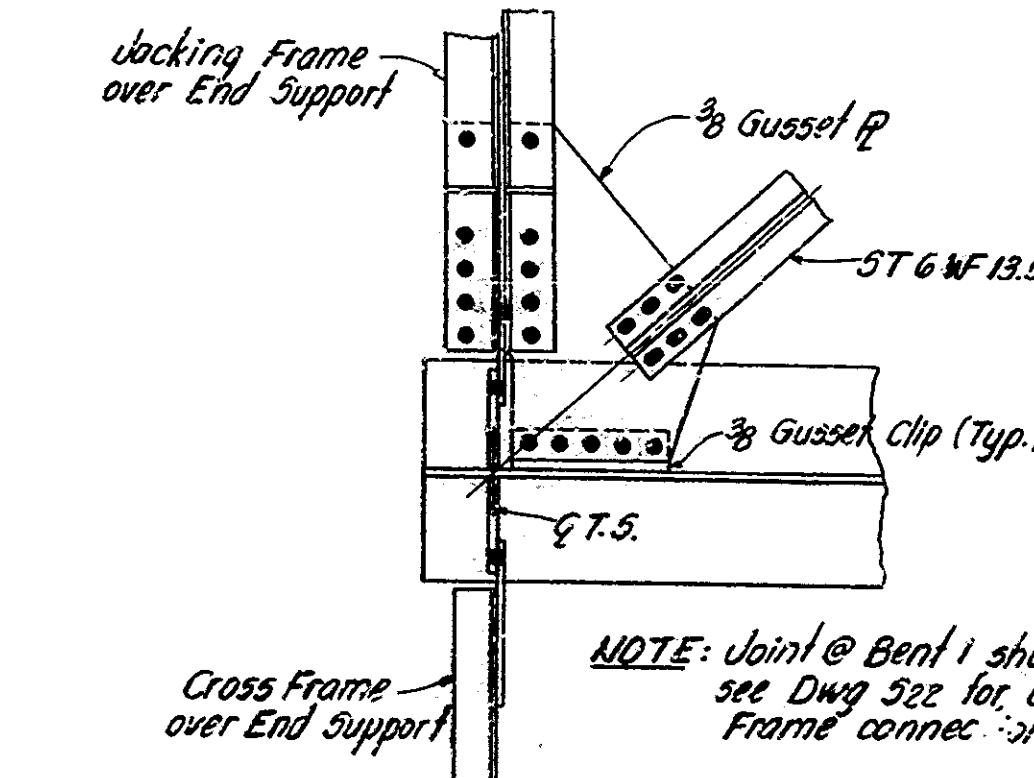
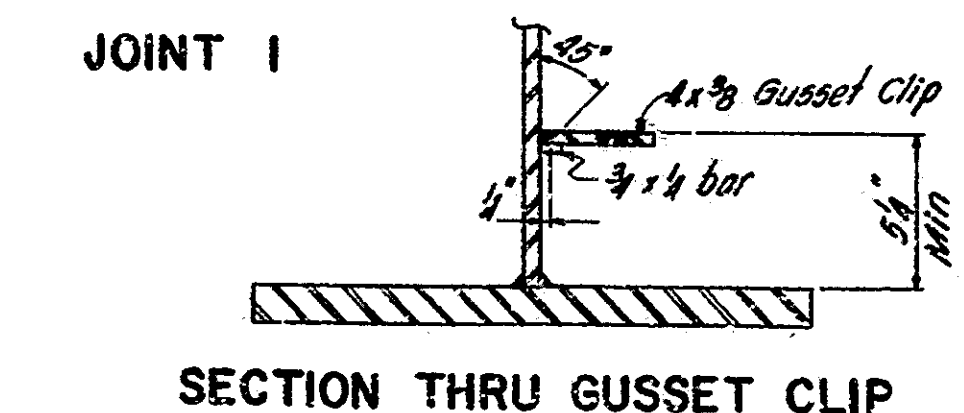


TABLE OF DIMENSIONS

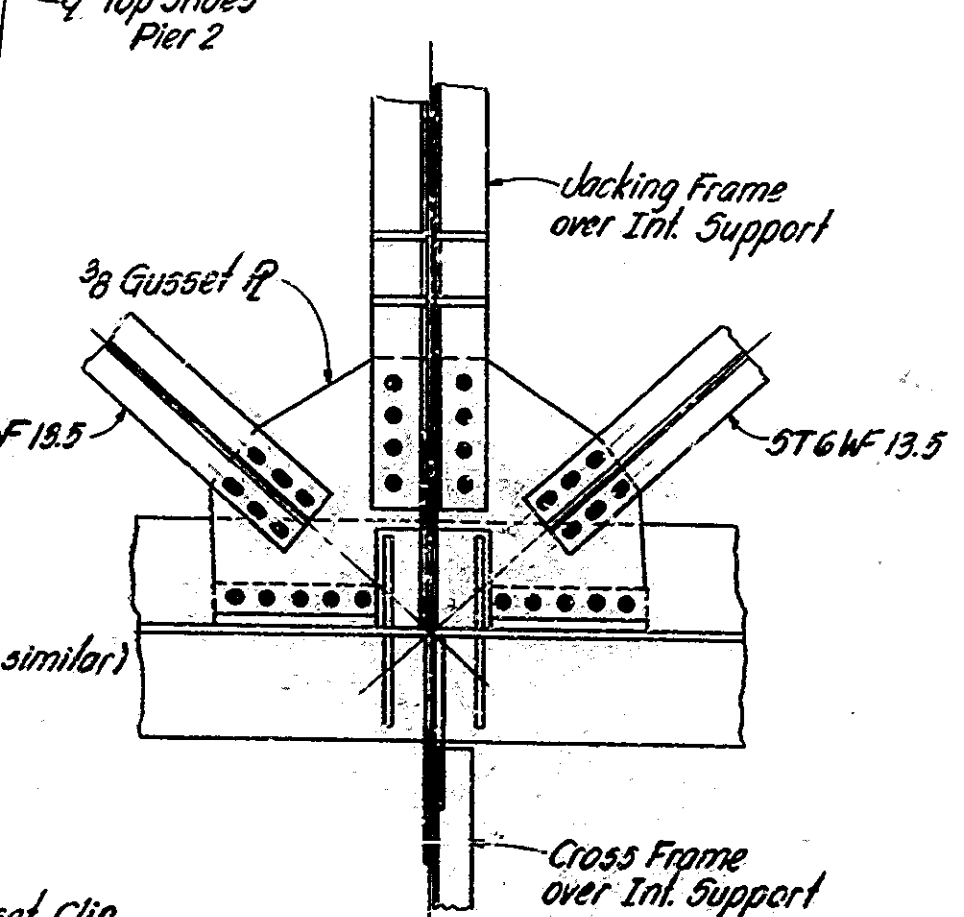
| | GIRDER 1 | GIRDER 2 | GIRDER 3 | GIRDER 4 |
|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|
| A | 88'-10 ³ / ₁₆ " | 88'-11 ¹ / ₁₆ " | 89'-1 ¹ / ₁₆ " | 89'-1 ¹ / ₁₆ " |
| a | 12'-10 ¹ / ₁₆ " | 12'-11 ¹ / ₁₆ " | 13'-1 ¹ / ₁₆ " | 13'-1 ¹ / ₁₆ " |
| B | 79'-11 ¹ / ₁₆ " | 76'-0" | 76'-0 ¹ / ₁₆ " | 76'-0 ¹ / ₁₆ " |
| b | 11'-5 ¹ / ₁₆ " | 11'-6" | 11'-6 ¹ / ₁₆ " | 11'-6 ¹ / ₁₆ " |
| C | 84'-10 ³ / ₁₆ " | 85'-0" | 85'-1 ¹ / ₁₆ " | 85'-1 ¹ / ₁₆ " |
| c | 13'-11 ³ / ₁₆ " | 14'-0" | 14'-0 ¹ / ₁₆ " | 14'-0 ¹ / ₁₆ " |



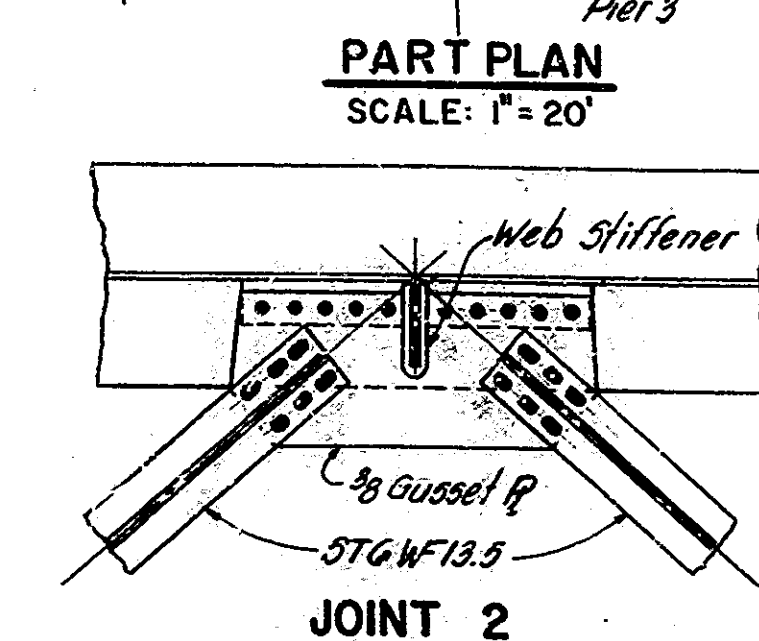
NOTE: Joint @ Bent 1 shown (Bent 9 similar) see Dwg 522 for jacking frame connection @ Bent 9



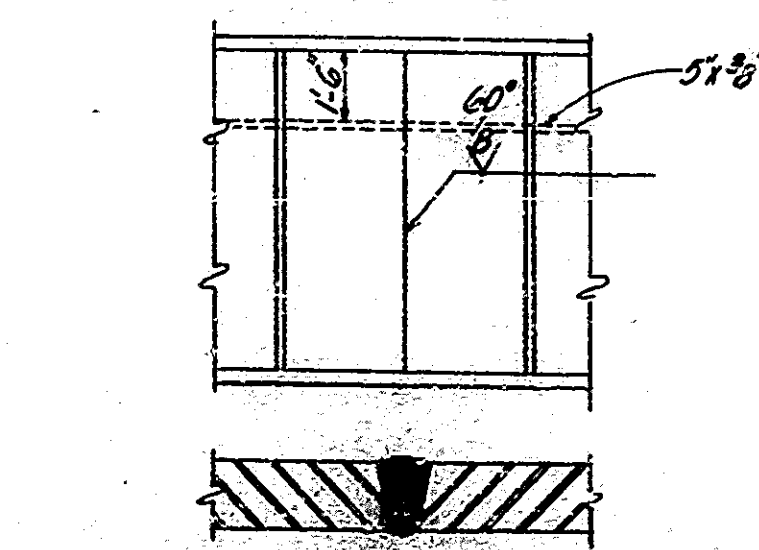
SECTION THRU GUSSET CLIP



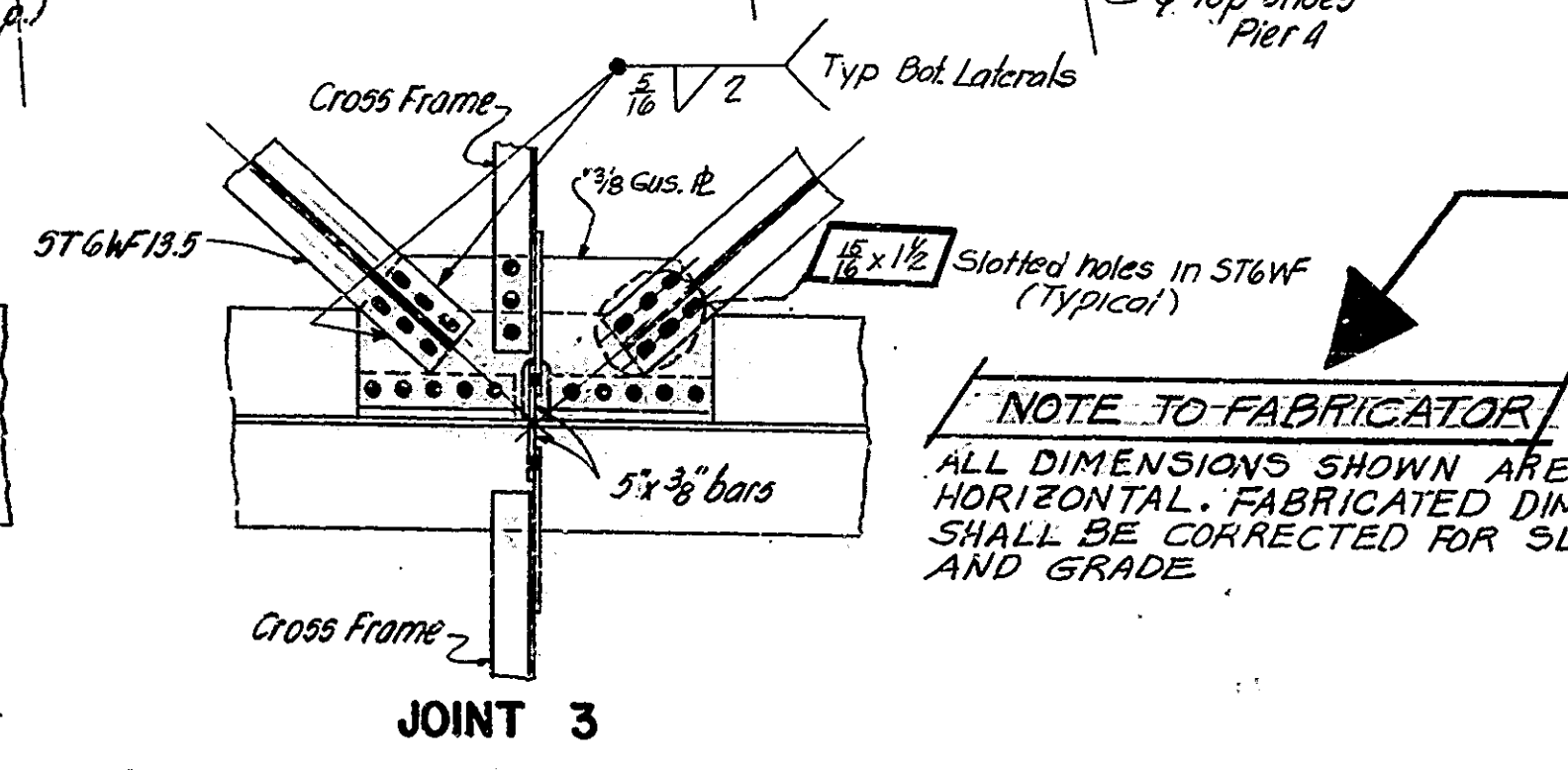
JOINT 4



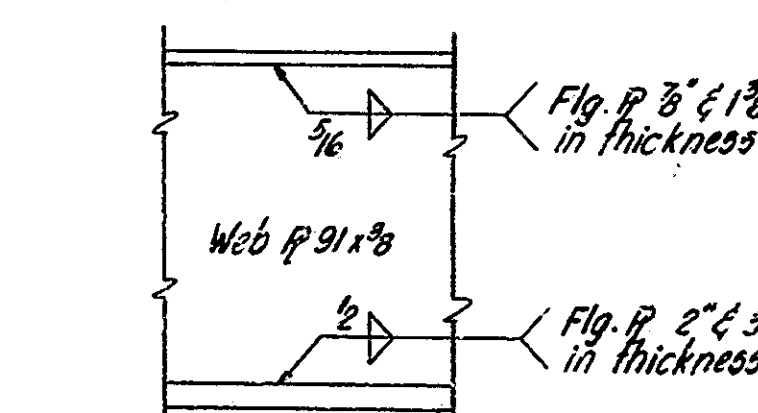
JOINT 2



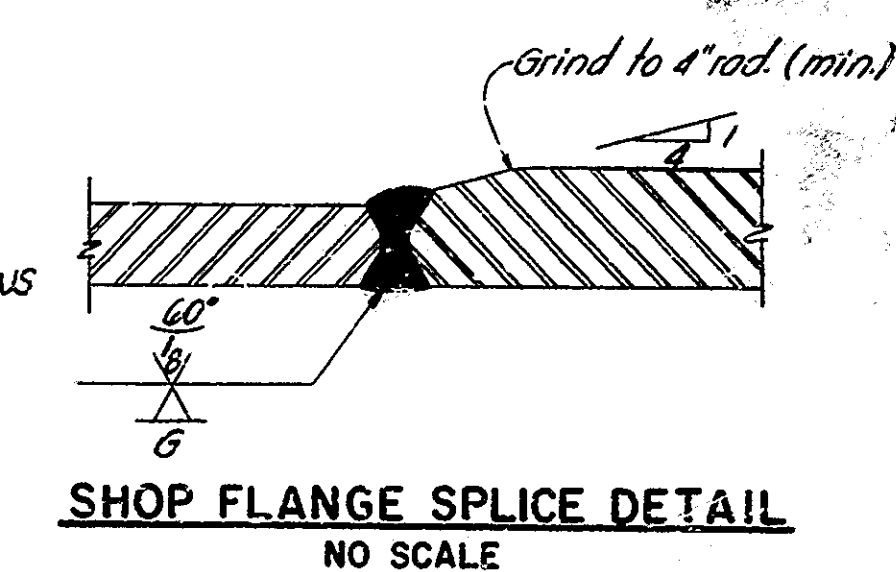
SHOP WEB SPLICE DETAIL
Number and location of shop web splices to be determined by the fabricator with the approval of the Engineer. Cost of splice to be at structural steel.



JOINT 3



FLANGE TO WEB WELD



SHOP FLANGE SPLICE DETAIL
NO SCALE

For fabrication & erection notes see Dwg. 520 & 525
For additional details see Dwg. 519 & 522
For shoe shims see Dwg. 521

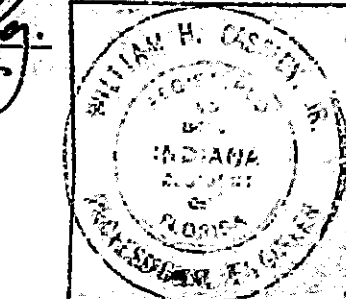
NOTE TO FABRICATOR
ALL DIMENSIONS SHOWN ARE HORIZONTAL. FABRICATED DIMENSIONS SHALL BE CORRECTED FOR SLOPE AND GRADE

FRAMING PLAN & GIRDER DETAILS
INDIANA STATE HIGHWAY COMMISSION
HARRISON COUNTY

SCALE: NO SCALE UNLESS NOTED
OCTOBER 14, 1966

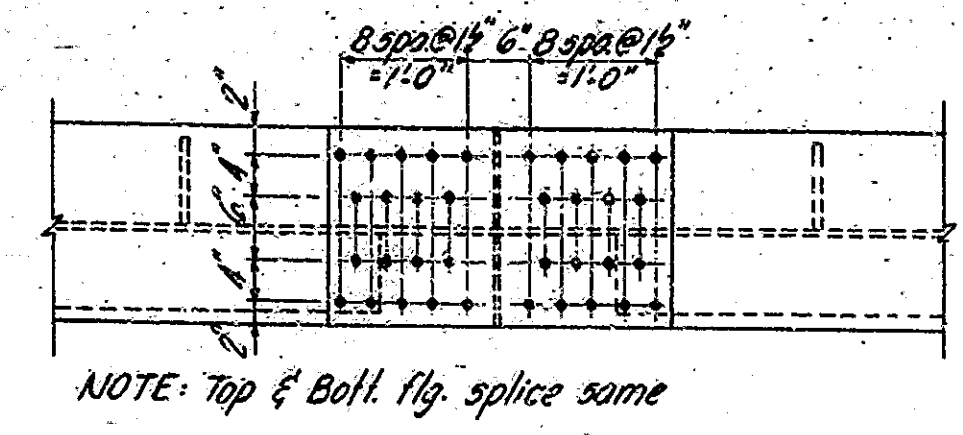
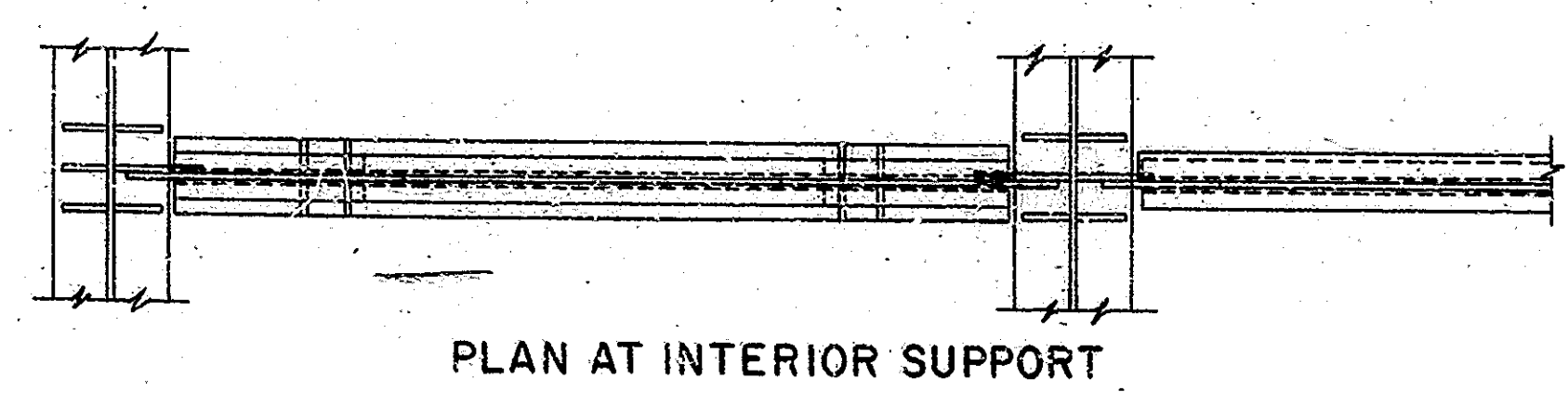
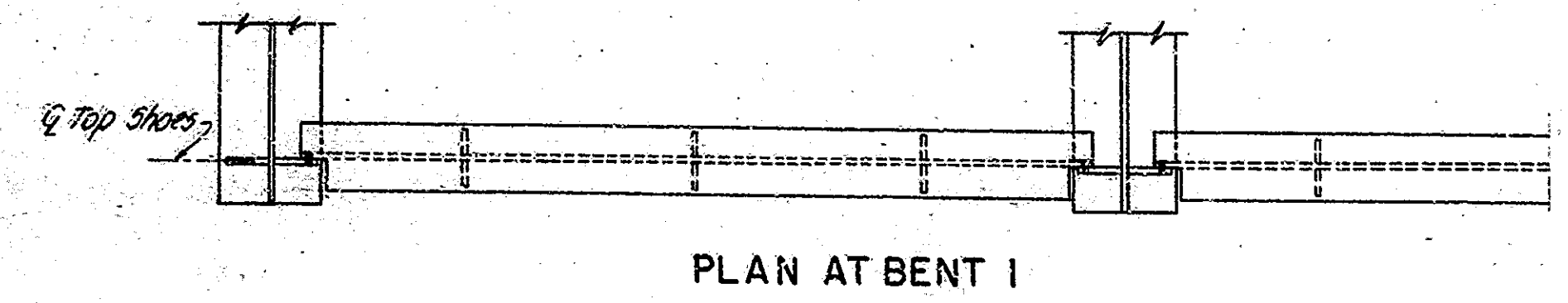
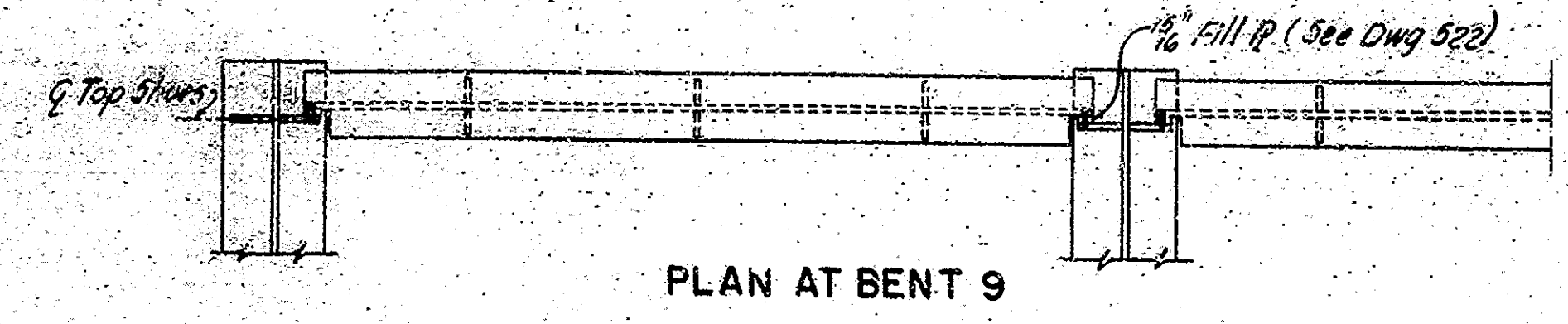
SUBMITTED FOR APPROVAL: *William H. Cassidy*

DRAWING: S18 OF 26
PROJECT: S-124(12)
BRIDGE CONTRACT NO. B-7265
BRIDGE FILE: 135-A9-5763

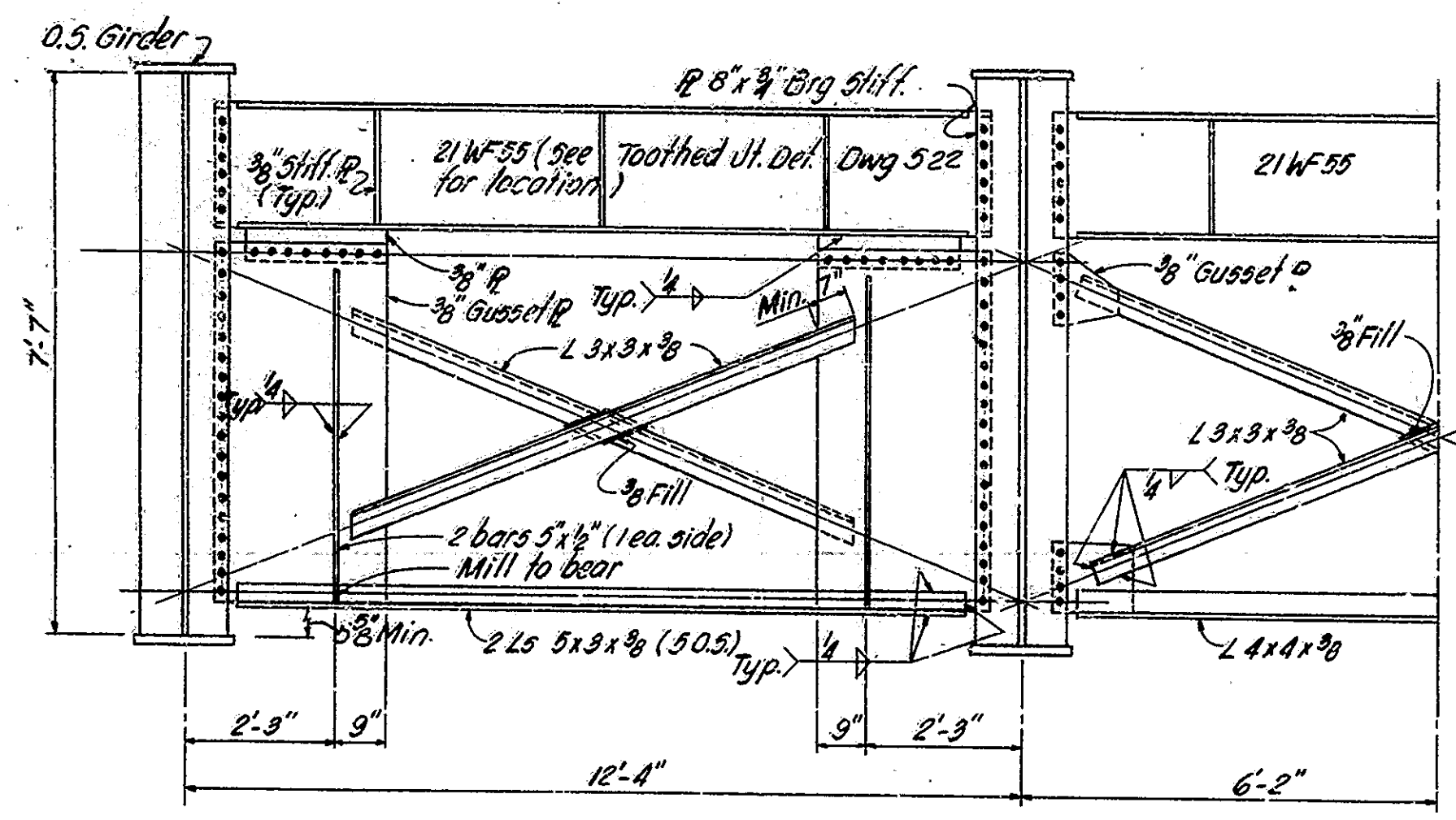


DESIGNED: NCR CKD: B.H.L.R.C.
DRAWN: D.B.C. CKD: M.H.C.
TRACED: C.F.D.

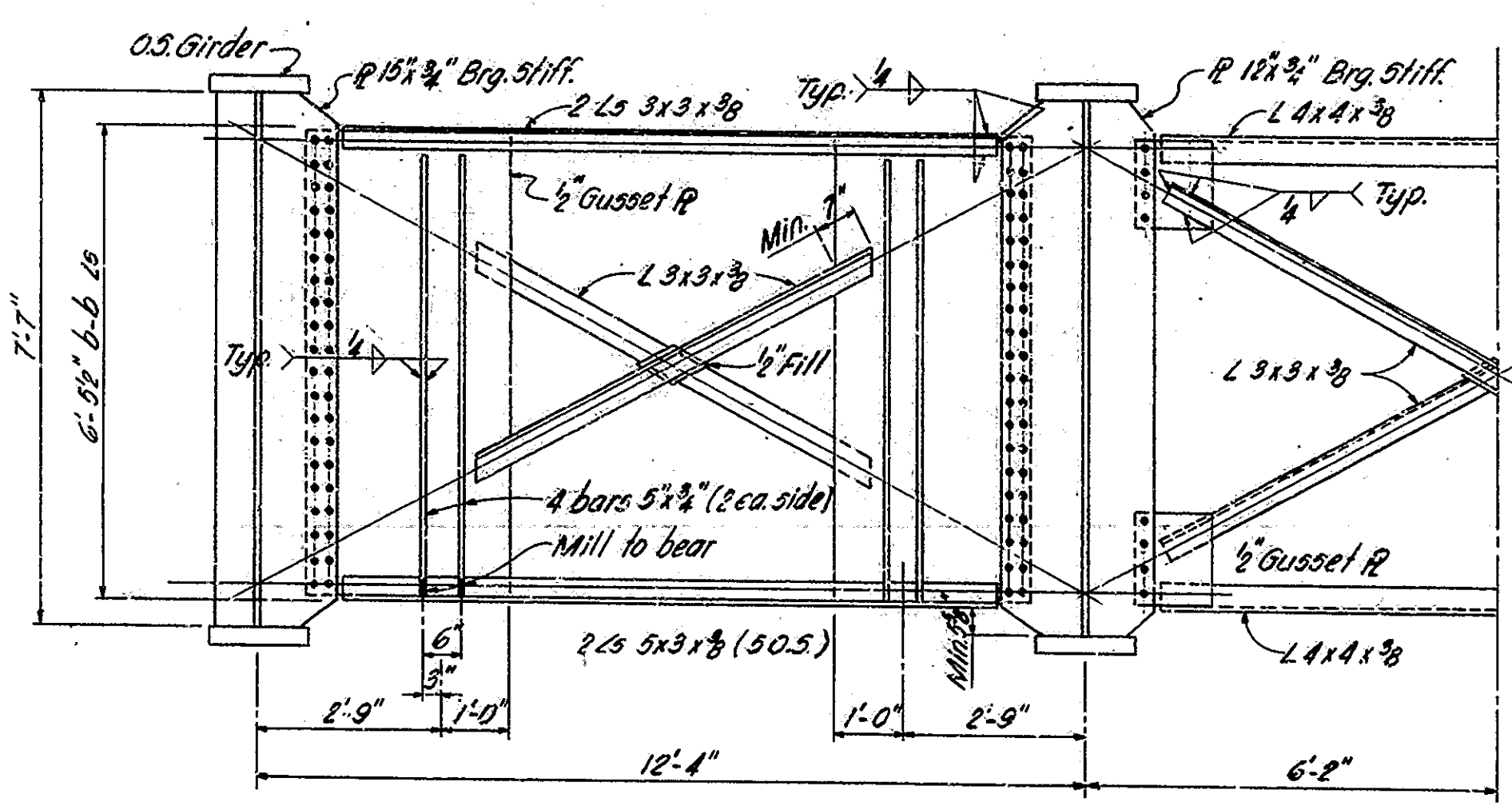
| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|-------------|-------------|--------------|
| PUR./STATE | STATE | PROJECT NO. | FISCAL YEAR | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 23 |
| | | | | 40 |



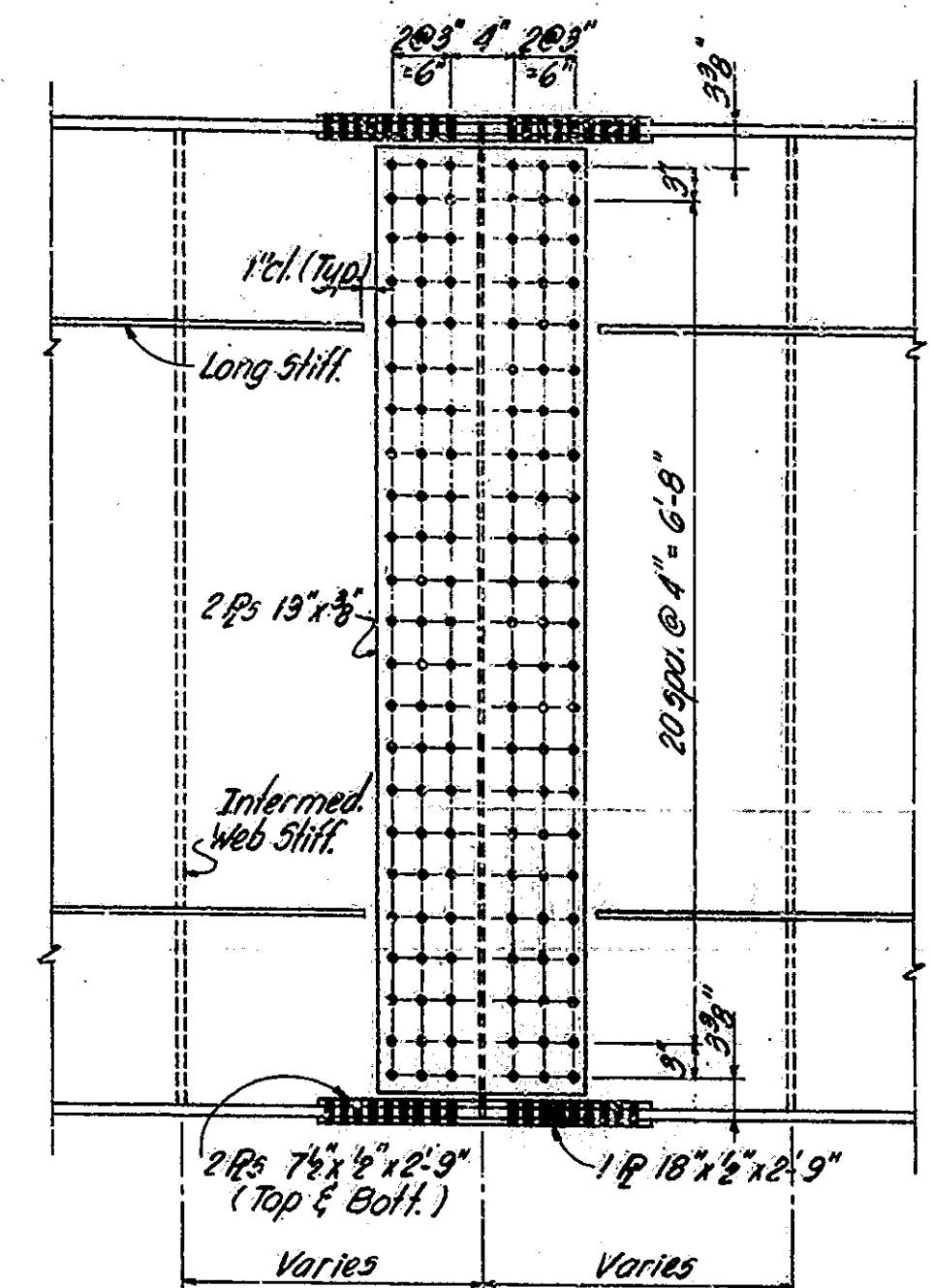
NOTE: Top & Bot. flg. splice same



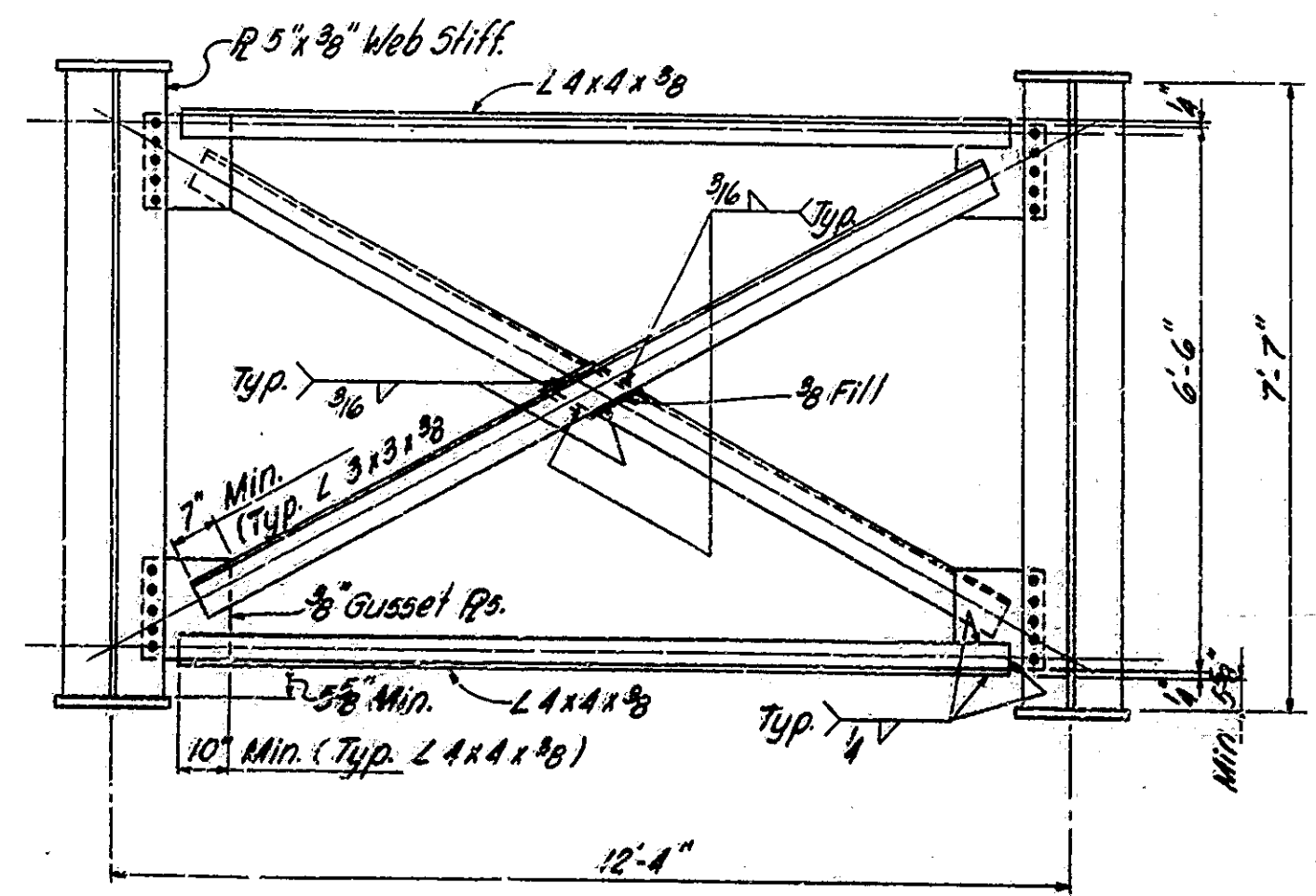
JACKING FRAME FRAMING OVER END SUPPORT



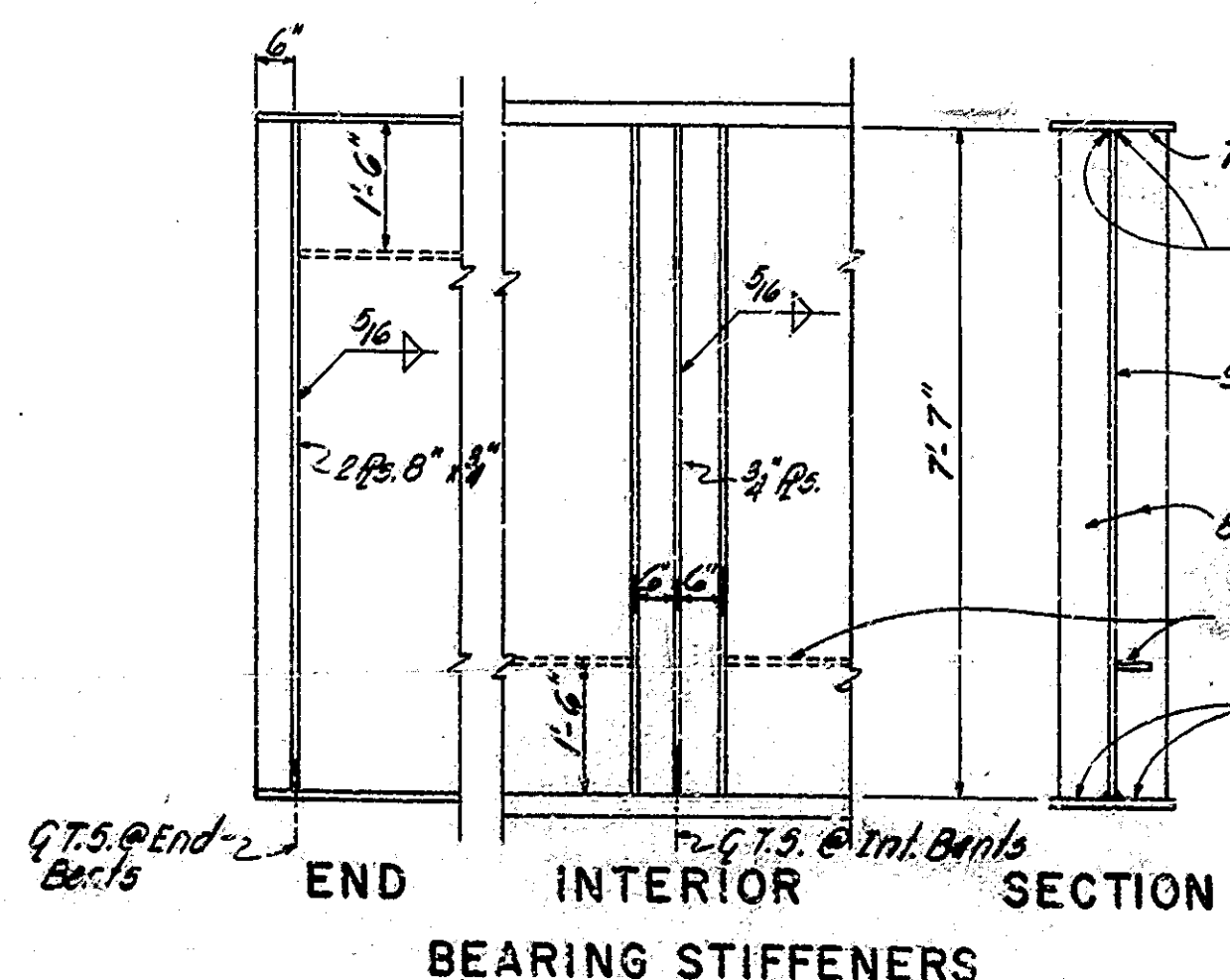
JACKING FRAME FRAMING OVER INTERIOR SUPPORT



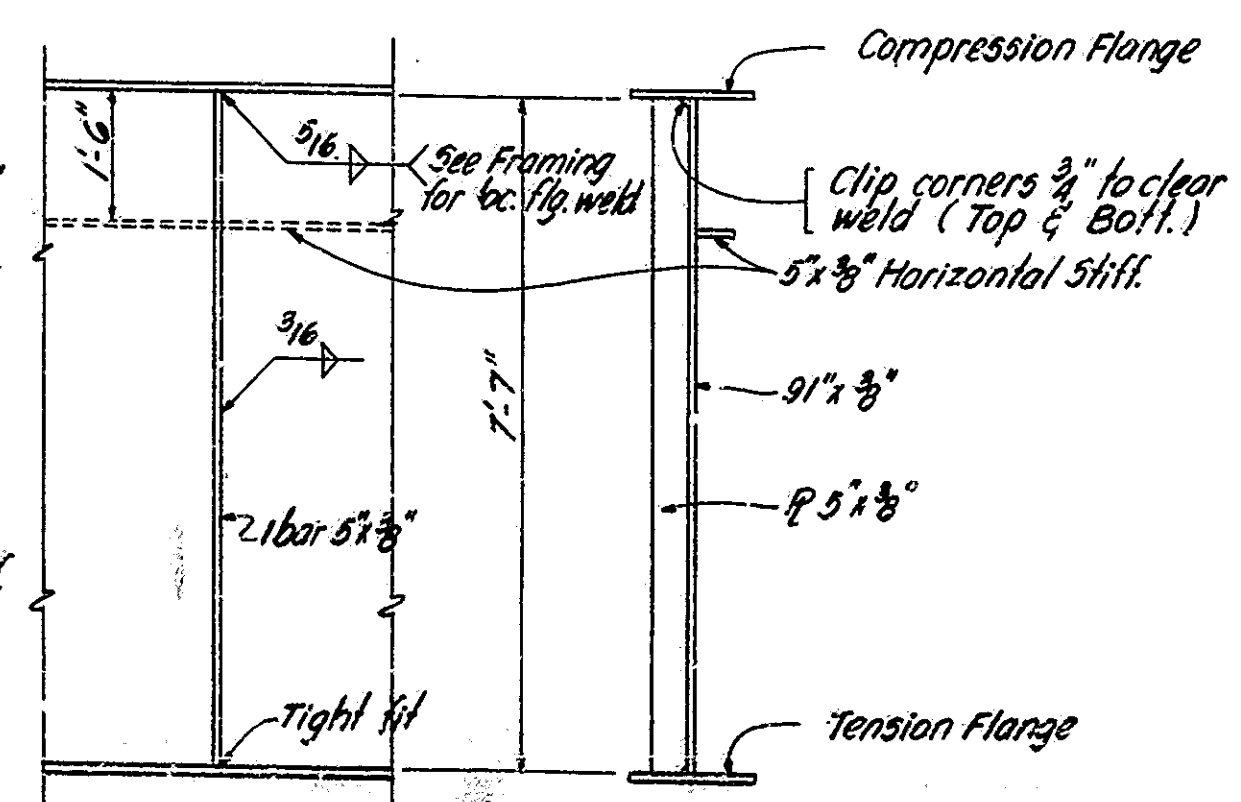
FIELD SPLICE Scale 3/4" = 1'-0"



TYPICAL CROSS FRAME



BEARING STIFFENERS



WEB STIFFENER

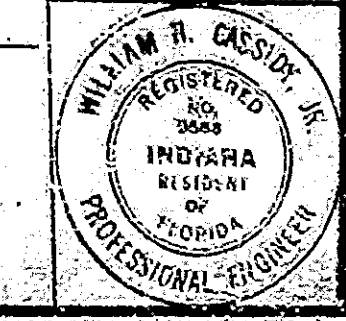
For fabrication and erection Notes see Dwg. 518-525
For additional details see Dwg. 518-520-522

GIRDER DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: 1/2" = 1'-0" UNLESS NOTED
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 DRAWING: S-124(12)
 PROJECT: S-124(12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

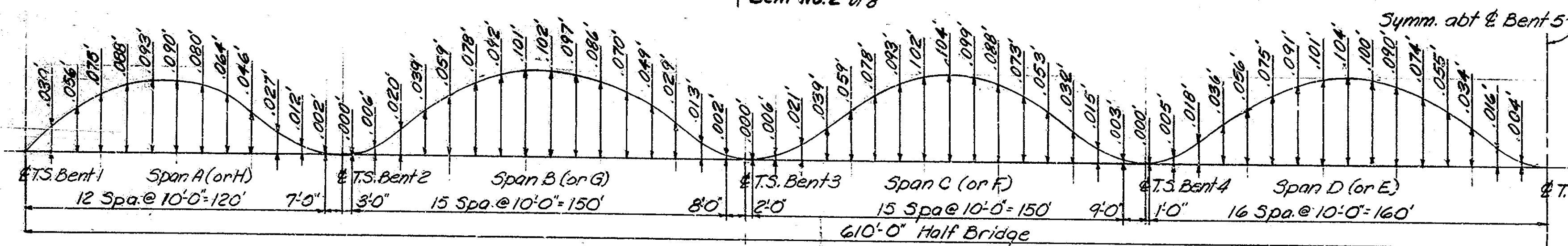
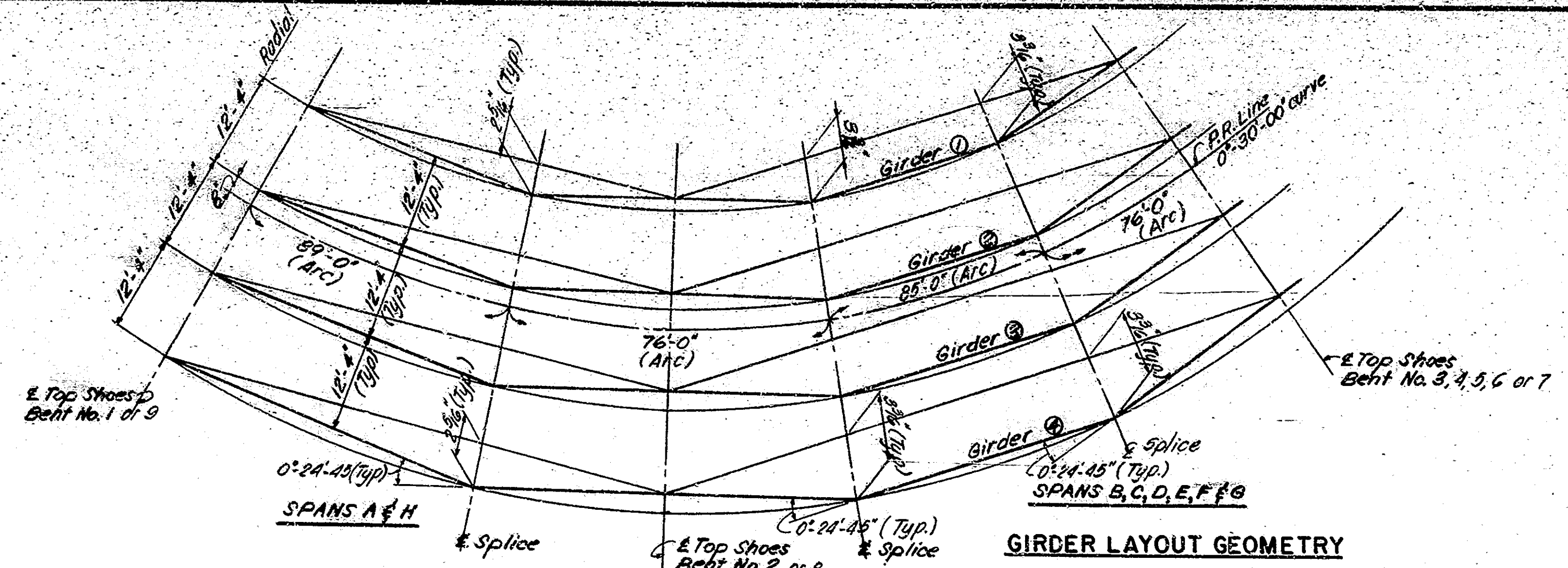
OCTOBER 14, 1966

DESIGNED: UCR CKD: RAH
 DRAWN: OBC CKD: URS
 TRACED: CKD

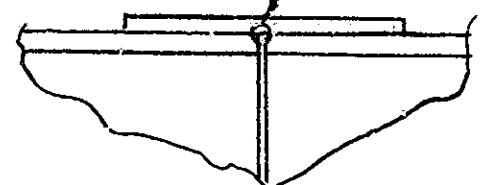
NOTE: All vertical stiffeners to be perpendicular to web



| BRIDGE OVER 20' SPAN | | | | | |
|----------------------|-------|-----------|--------|-------|--------|
| PUB. ROAD | STATE | PROJECT | FISCAL | SHEET | TOTAL |
| NO. | | NO. | YEAR | NO. | SHEETS |
| 4 | IND. | S-124(12) | 1967 | 24 | 40 |



NOTE: All elevations are given at the top of the girder flange



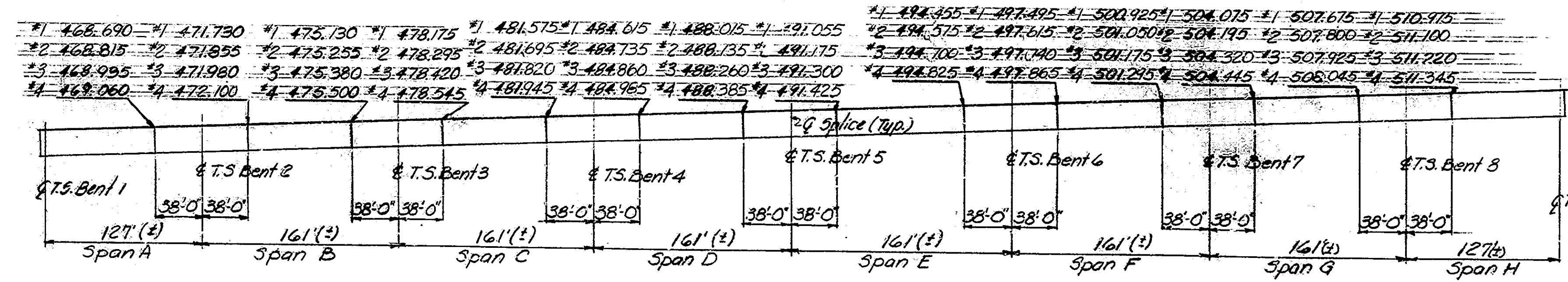
CONCRETE D. L. DEFLECTION (FT.)

NOTE TO ERECTOR

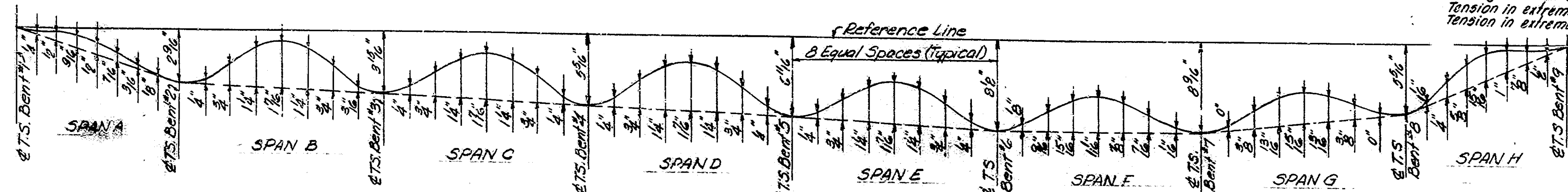
Girders shall be adjusted to these elevations before riveting field connections.

ESTIMATED WEIGHT STRUCTURAL STEEL

| | | |
|------|---------------|---------------------------------|
| A36 | 2,014,719 | (Includes wt of tooth exp. Jt.) |
| A441 | 16,382 Lbs | |
| A314 | 19,120 Lbs | |
| | 2,049,719 Lbs | |



FIELD SPLICE ELEVATIONS



NO LOAD CAMBER AND REAMING DIAGRAM

STRUCTURAL STEEL NOTES

Rivets: 7/8" φ unless noted.
 Open holes: 1/8" unless noted.
 All paint shall be in accordance with current State Highway Specifications.
 Shop paint: Basic Lead Silico Chromate: See Spec. Provisions.
 Field paint: Basic Lead Silico Chromate: See Spec. Provisions.
 Girders must be cambered to a smooth curve. Camber must be checked while girders are supported in such a way as to have no bending moment in direction of camber.
 Holes for girder splices shall be subpunched or subdrilled and reamed to size while assembled. See Article E 1103.18 (c) of the specification.
 The shop details shall show a plan of matchmarking for all reamed pieces.
 All splice plates to be removed, cleaned and painted after reaming. Splice plates shall not extend beyond the end of girder after bolting for shipment.
 Shop plans shall indicate whether reaming or drilling is to be done in shop or field. If shop reaming or drilling is used, the girders shall be assembled in accordance with the "Load Camber and Reaming Diagram". If the girders are shop reamed or drilled, all girders are to be erected using full size drift pins in a minimum of fifty percent (50%) of the flange splice holes and fifty percent (50%) of the web splice holes.
 Flange splice plate shall have planed or rolled edges and holes in bars shall be subdrilled and reamed or drilled full size while assembled.
 See Drawing 52 for General Notes.
 If curves in plates and angles are flame cut they shall be ground smooth.
 All structural steel shall be erected and girders or beams adjusted to their true elevations before driving rivets in field splices. The elevation shall be checked with splices connected by full size drift pins and erection bolts and with girders or beams unsupported by any false work. See sketch to left for true elevations of splices.
 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 5 copies of these to the Engineer. See Article E 1103.2 of the specifications.
 Holes in girder flanges for connection of top shoes shall be 1 1/2" in diameter and shall be reamed to a metal template.
 Bolts connecting girder flange to top shoe shall extend into top shoe a minimum of 1 inch. Shims between girders and top shoes may be built up.
 No shim shall be less than 1/2" in thickness.
 All shop butt welds in flange plates shall be ground smooth and flush with the base metal on all surfaces. This shall apply to both parts of equal thickness and parts of unequal thickness. Finished details shall be as shown on Drawing 51a, grinding shall be done in the direction of stress and in such a manner that the metal is kept below the blue brittle range. Any defects exposed by the grinding shall be cleaned, filled with weld metal, and reground to a uniform finish.
 Structural carbon steel or structural low alloy steel for welding 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.
 Sheared plates or universal mill plates to be used for girder webs and shall be ordered with sufficient additional width to allow for trimming of edges to provide built-in camber for dead load deflection and vertical curve. Trimming shall be by flame cutting. The facing surfaces of the web and flange plates and the adjacent surfaces that are to be fillet welded shall be cleaned by grinding prior to assembly and welding of web to flange. When the girder sections are fit up in the shop for reaming or drilling of field splices, the center lines of opposing flanges shall not deviate more than 1/8" inch with the webs in alignment. All butt welds shall be subject to radio-graphic inspection at the option of the Engineer. See Special Provisions.
 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.
 All welding shall conform to the current AWS specifications for welded Highway and Railway bridges unless otherwise noted.
 All structural steel shall conform to ASTM A36 unless otherwise noted.
 High tensile bolts may be used in lieu of rivets. See Article E 1104.11 of specifications.

DESIGN DATA

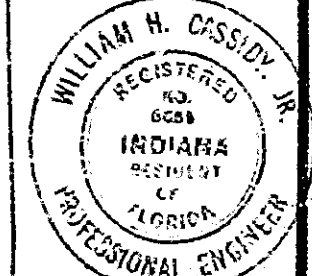
Live loads: HS 20-44 loading with impact and distribution of loads in accordance with 1961 AASHTO specifications.
 Dead loads: Actual weight plus 35 pounds per square foot of roadway to provide for future wearing surface.
 Slab: Designed for 16,000 pound wheel plus impact and with 1" monolithic wearing surface.
 Unit Stresses (Structural Steel) in p.s.i.
 Bending, tension or comp. (A36) - 20,000
 Shear in fillet welds (A36) - 12,400
 Reinforcing steel (ten) - 20,000
 Bearing (not including power driven rivets and torqued H.S. bolts) - 29,500
 Bearing (power driven rivets and torqued H.S. bolts) - 40,000
 Bearing steel on concrete (including overlapping & eccentric loading) - 1,000
 Tension in extreme fibers, sections subject to bending (A-441) - 22,500
 Tension in extreme fibers, sections subject to bending (A-514) - 13,000

**GIRDER DIAGRAMS AND STRUCTURAL STEEL NOTES
 INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY**

SCALE: NONE OCTOBER 14, 1966

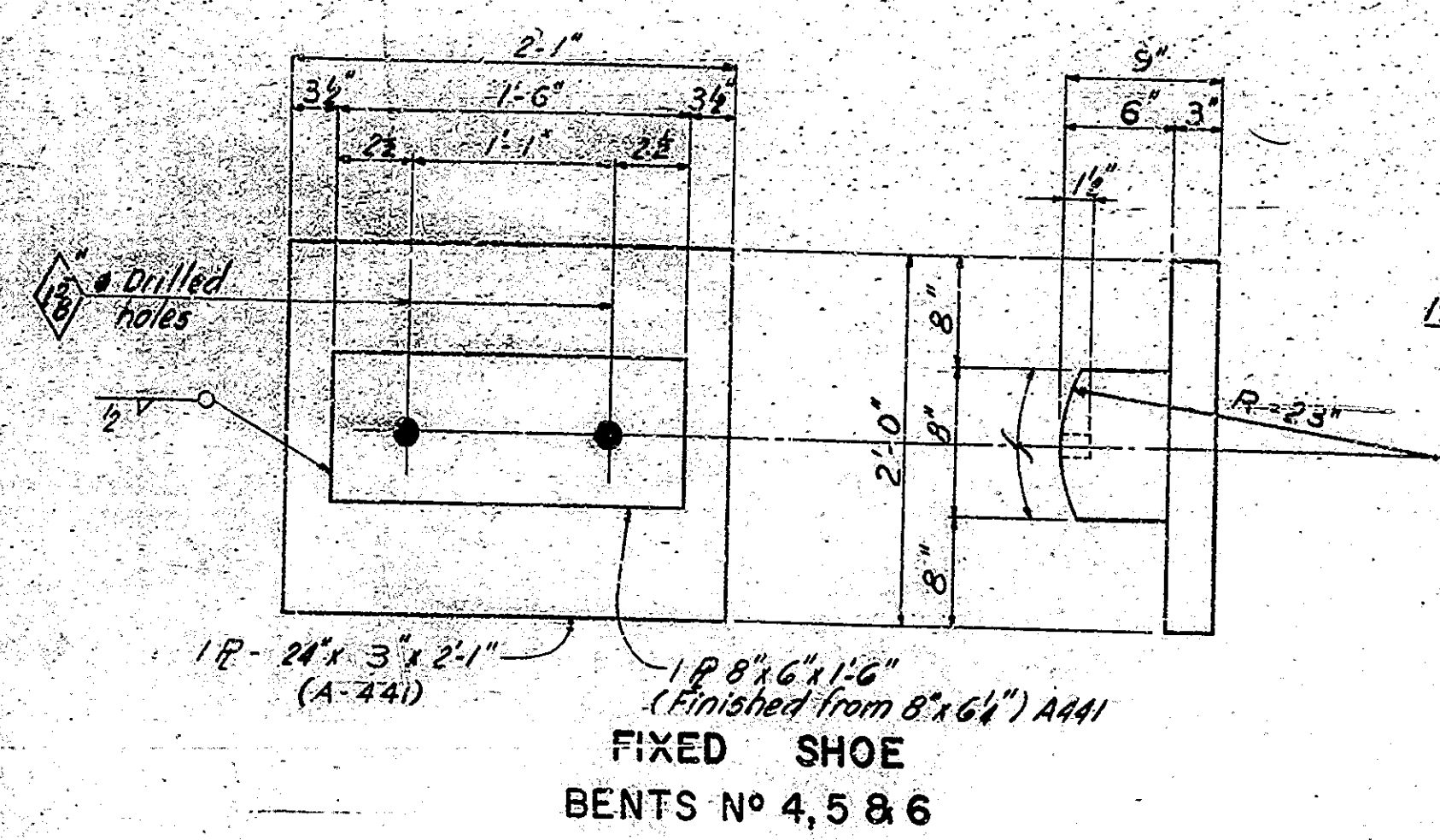
SUBMITTED FOR APPROVAL: *William H. Cassidy*

DRAWING: S20 OF 26
 PROJECT: S-124 (12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

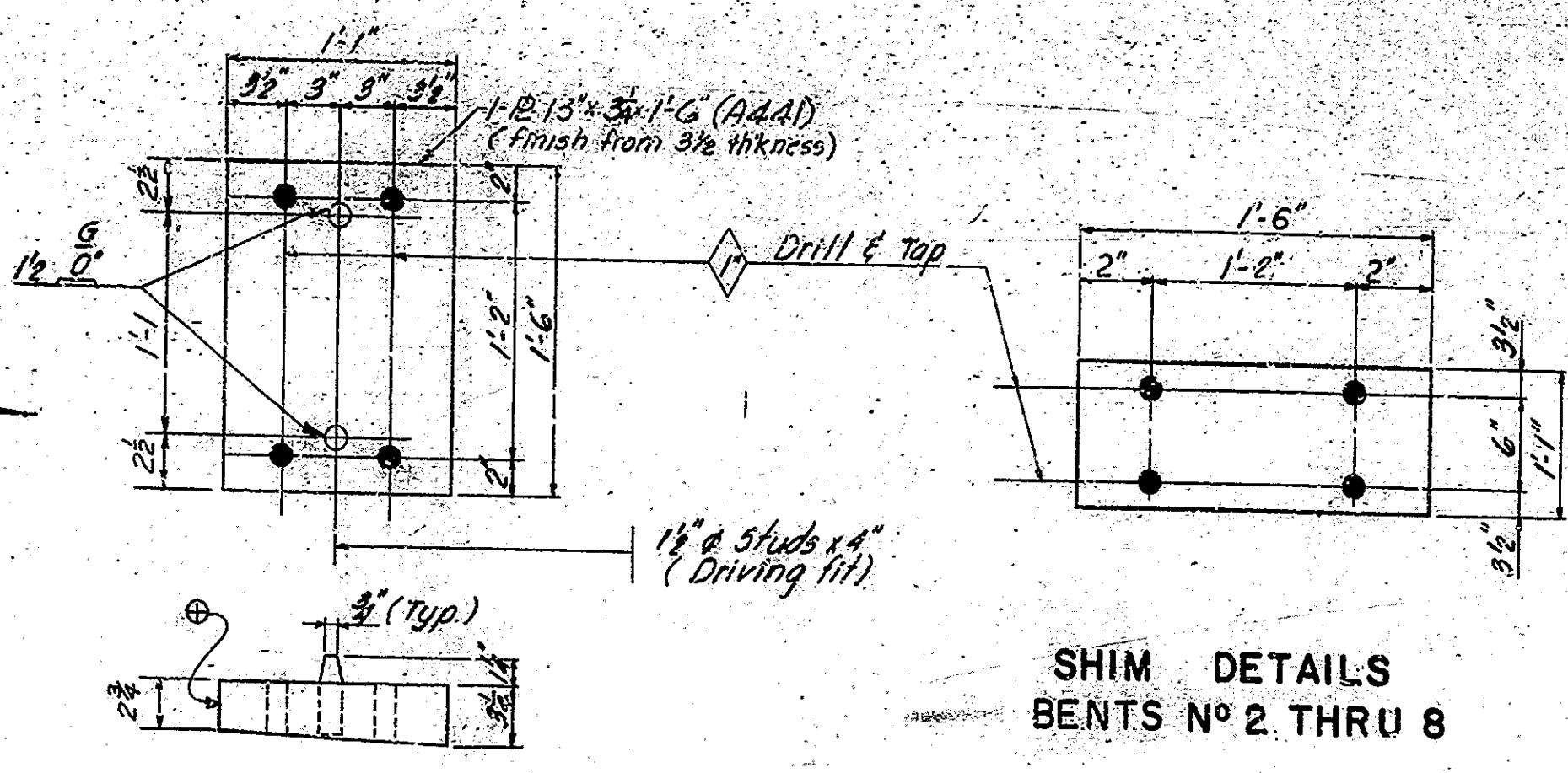


| | |
|----------|--------|
| DESIGNED | W.C.K. |
| DRAWN | W.C.K. |
| TRACED | W.C.K. |

| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|--------------|----------------|-------------|------|
| SHEET NO. | TOTAL SHEETS | PROJECT NO. | FISCAL YEAR | DATE |
| 4 | 40 | IND. S-124(12) | 1967 | 25 |



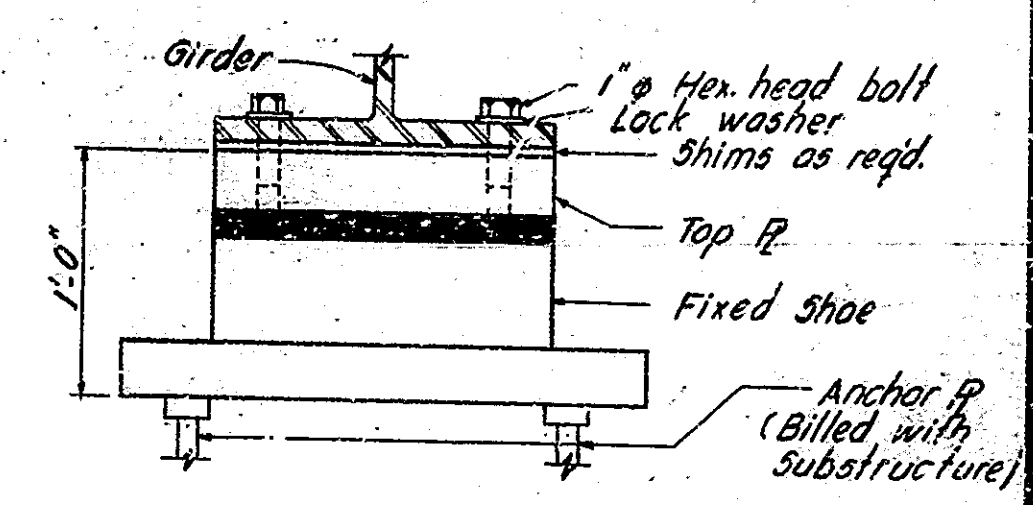
**FIXED SHOE
BENTS N° 4, 5 & 6**



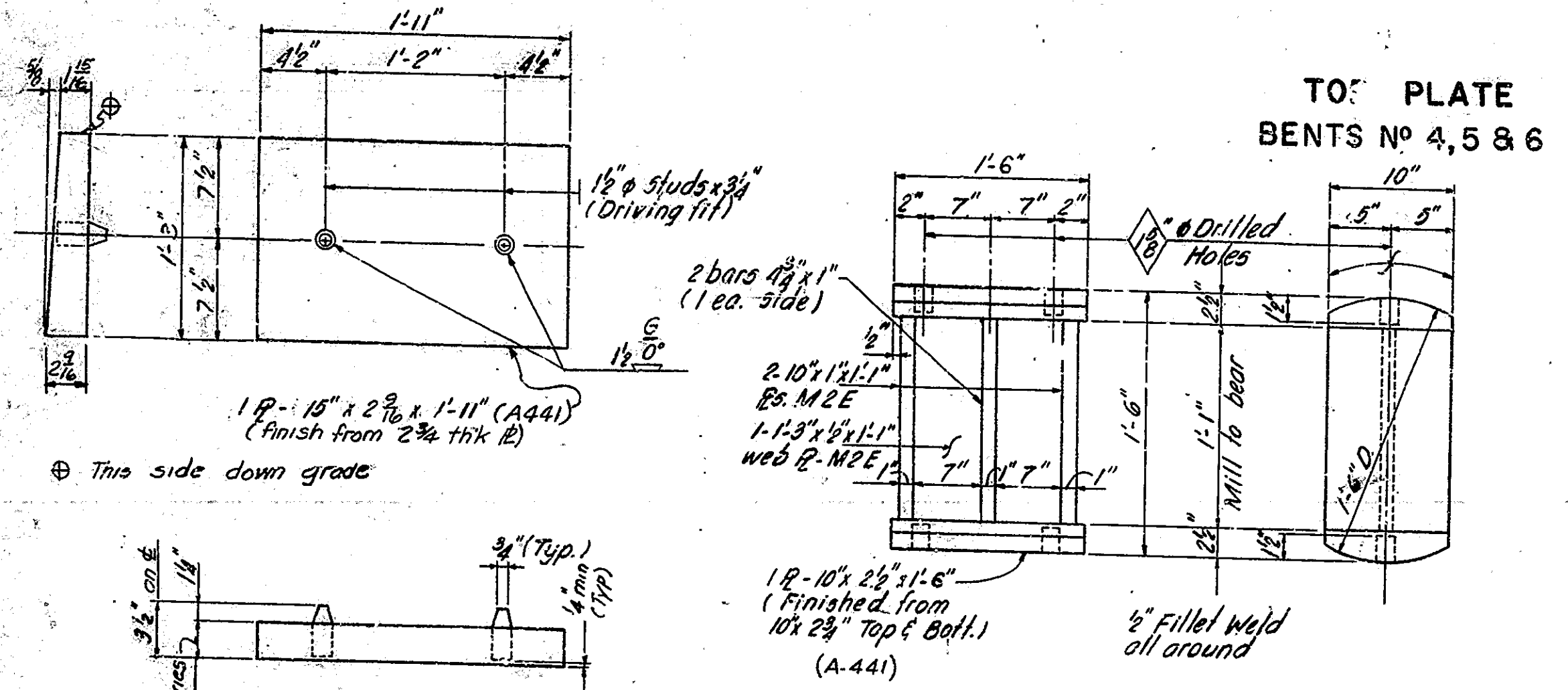
**SHIM DETAILS
BENTS N° 2 THRU 8**

TABLE OF SHIMS

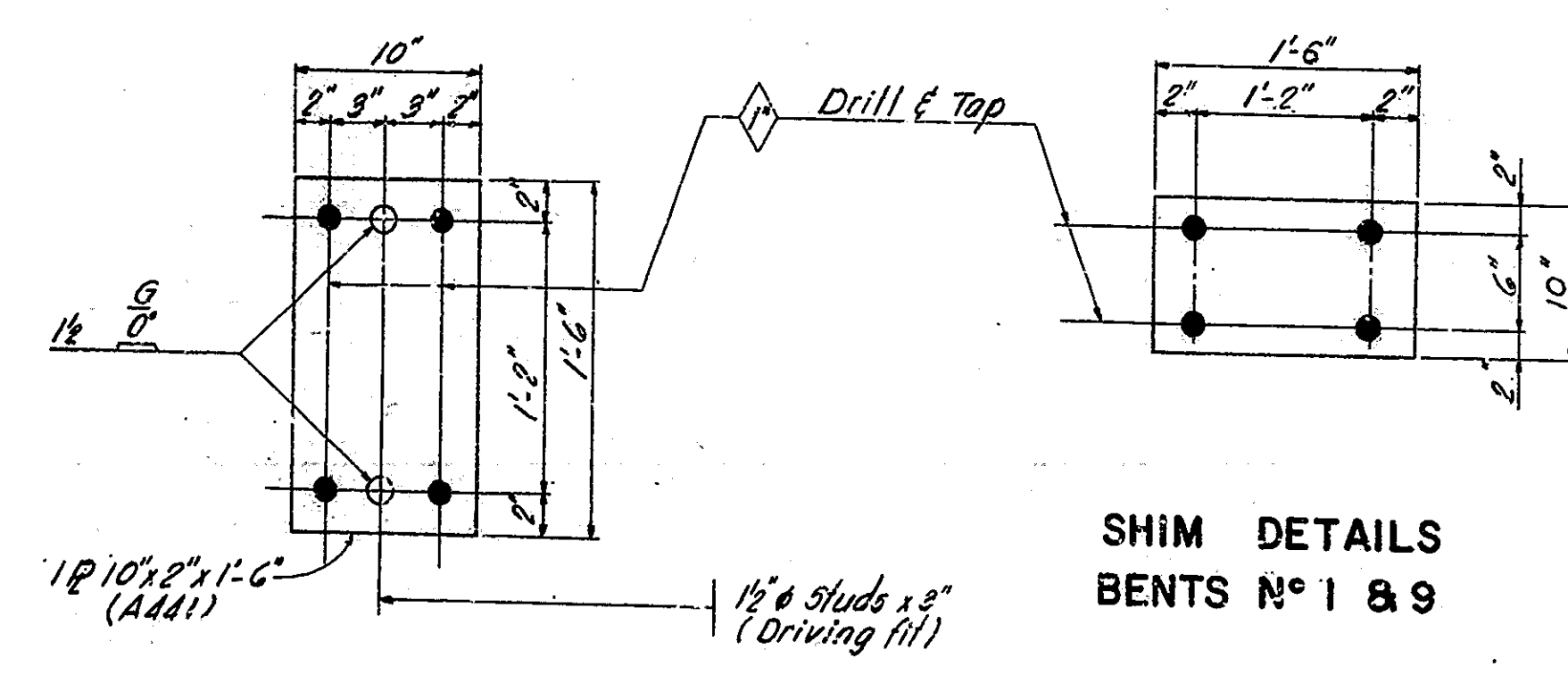
| Bent | Girder 1 | Girder 2 | Girders | Girder 4 |
|--------|----------|----------|---------|----------|
| Bent 1 | 6" | 0" | 0" | 0" |
| Bent 2 | 6" | 0" | 0" | 0" |
| Bent 3 | 6" | 0" | 0" | 0" |
| Bent 4 | 6" | 0" | 0" | 0" |
| Bent 5 | 6" | 0" | 0" | 0" |
| Bent 6 | 6" | 0" | 0" | 0" |
| Bent 7 | 6" | 0" | 0" | 0" |
| Bent 8 | 6" | 0" | 0" | 0" |
| Bent 9 | 6" | 0" | 0" | 0" |



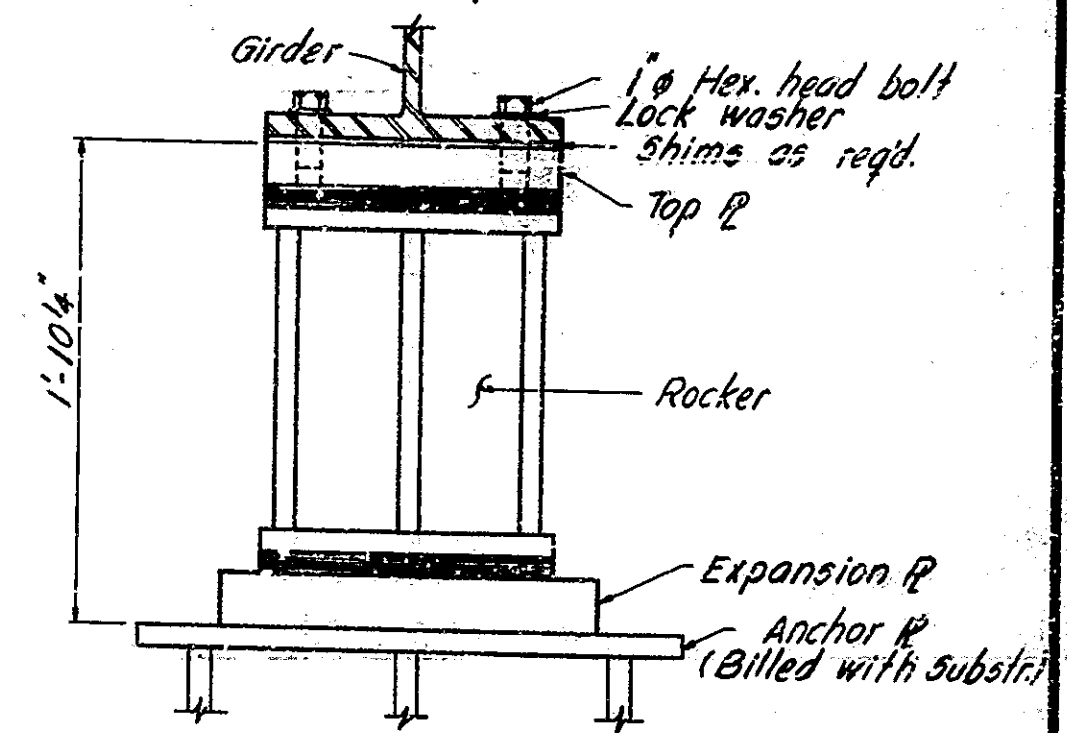
**FIXED SHOE ASSEMBLY
BENTS N° 4, 5 & 6**



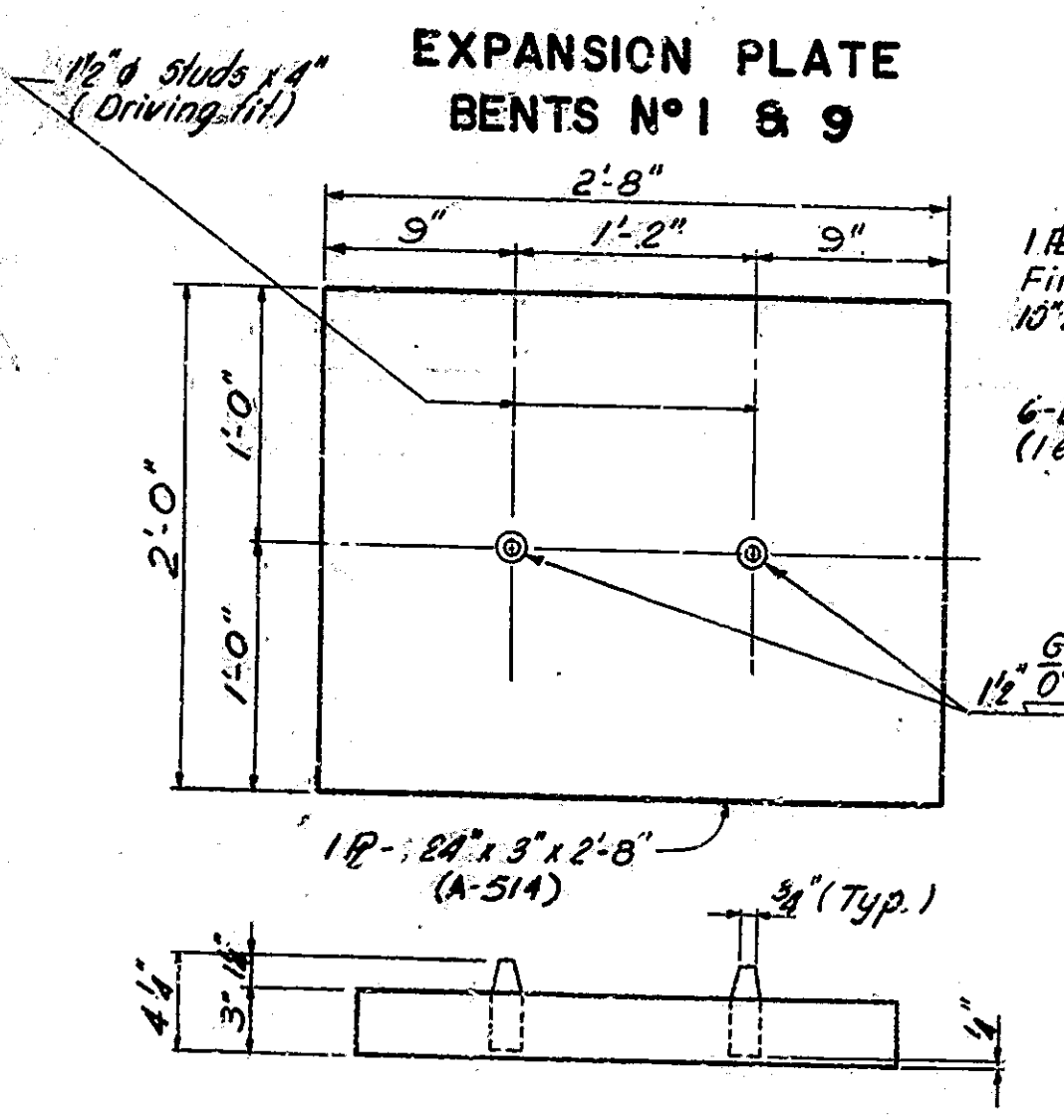
**TOP PLATE
BENTS N° 4, 5 & 6**



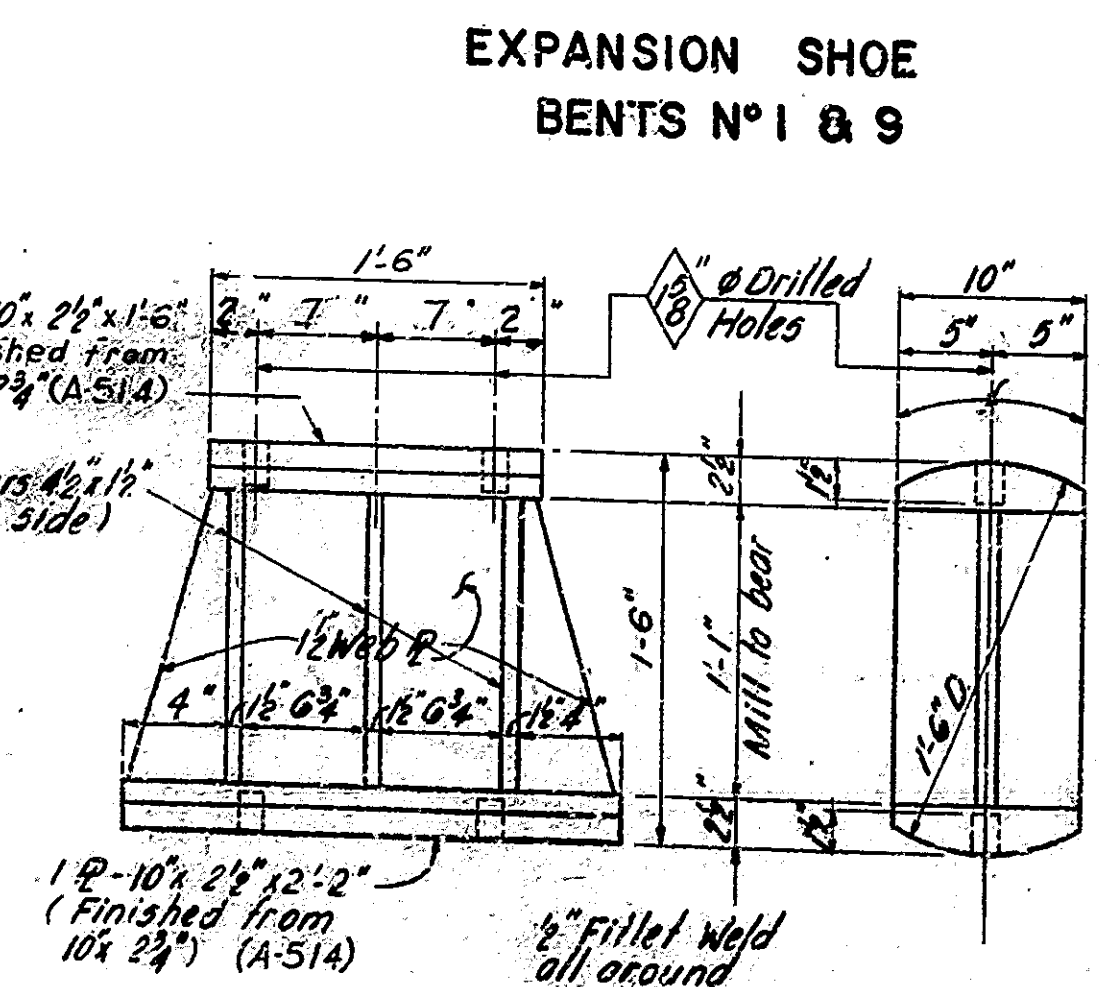
**SHIM DETAILS
BENTS N° 1 & 9**



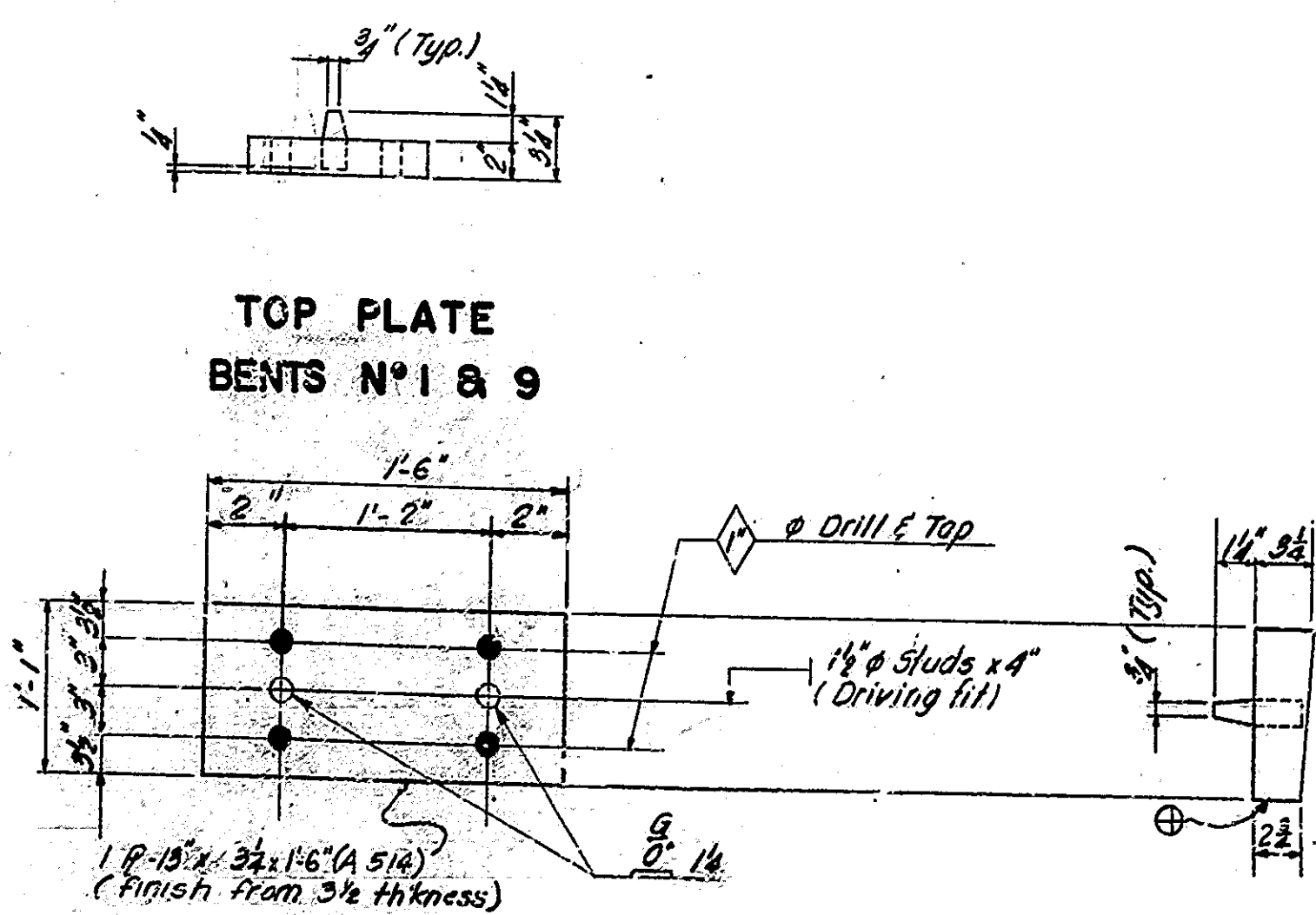
**EXPANSION SHOE ASSEMBLY
BENTS N° 1 & 9**



**EXPANSION PLATE
BENTS N° 1 & 9**

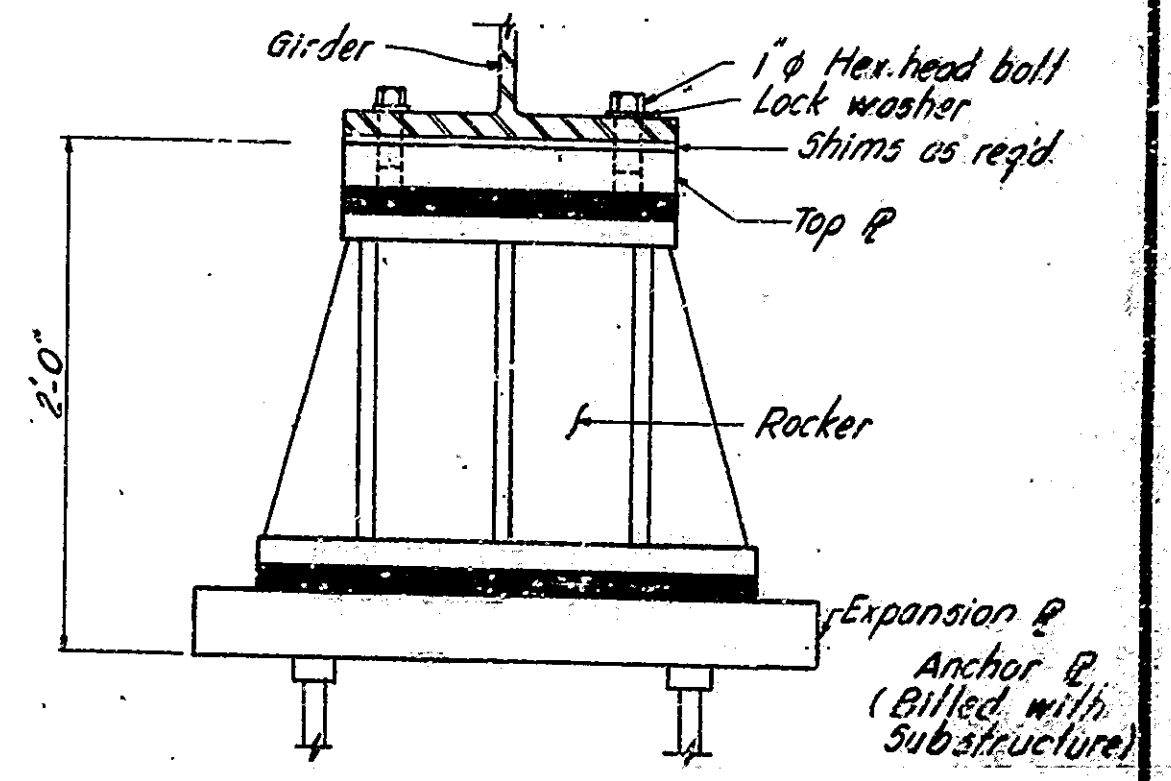


**EXPANSION SHOE
BENTS N° 1 & 9**



**TOP PLATE
BENTS N° 1 & 9**

**TOP PLATE
BENTS N° 2, 3, 7 & 8**



**EXPANSION SHOE ASSEMBLY
BENTS N° 2, 3, 7 & 8**

**EXPANSION PLATE
BENTS N° 2, 3, 7 & 8**

**EXPANSION SHOE
BENTS N° 2, 3, 7 & 8**

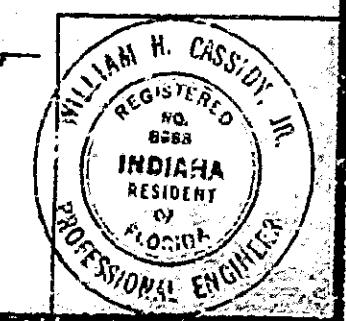
**SHOE DETAILS
INDIANA STATE HIGHWAY COMMISSION**

HARRISON COUNTY
SCALE: 1/2" = 1'-0"

SUBMITTED FOR APPROVAL: *William H. Cassidy*

OCTOBER 14, 1966

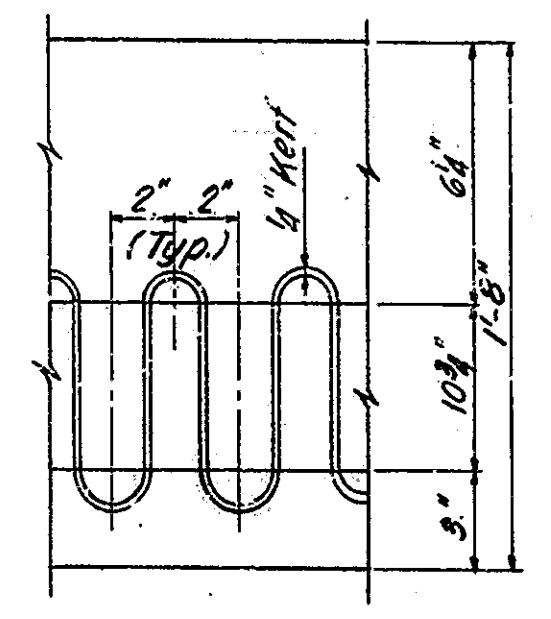
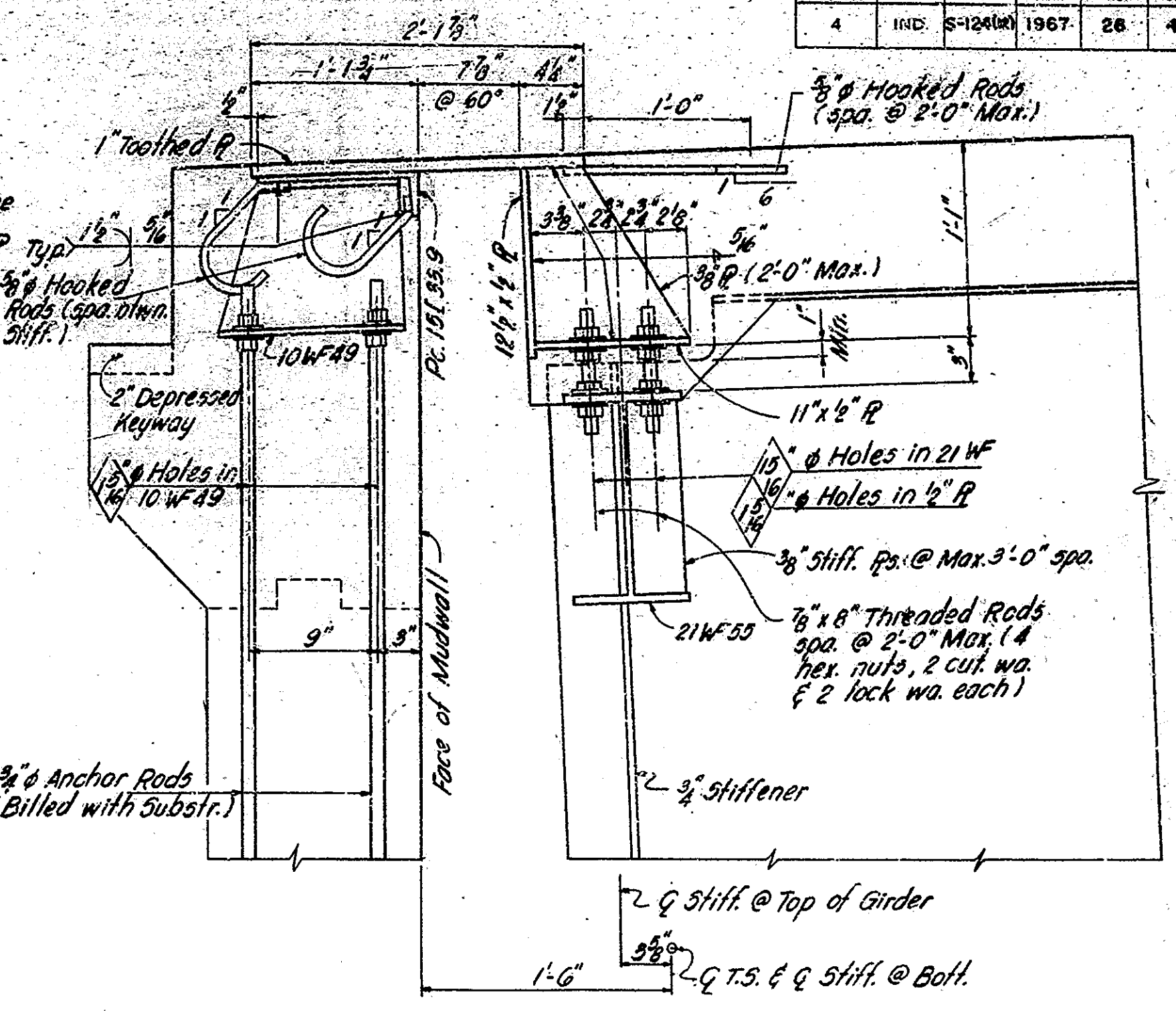
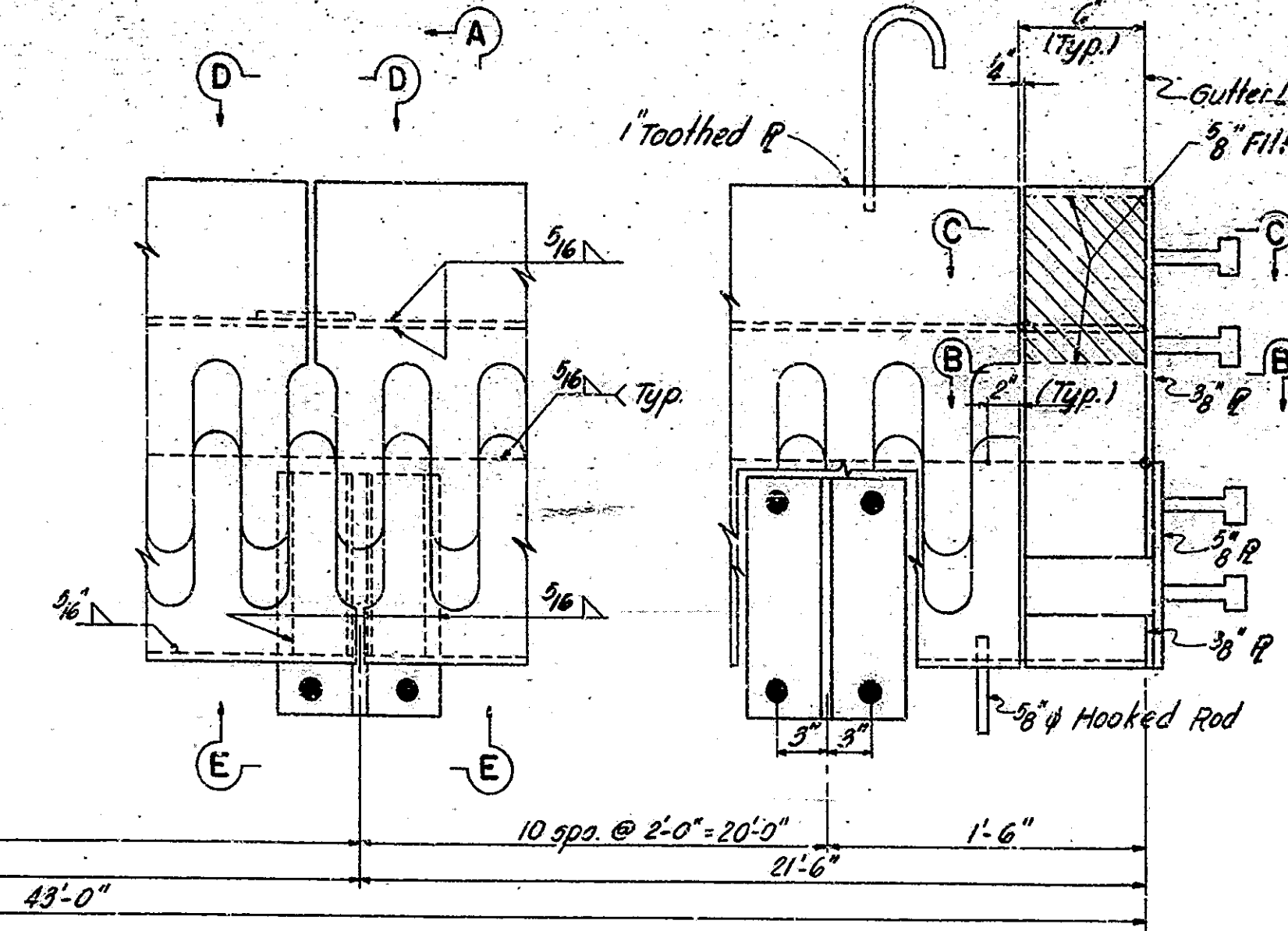
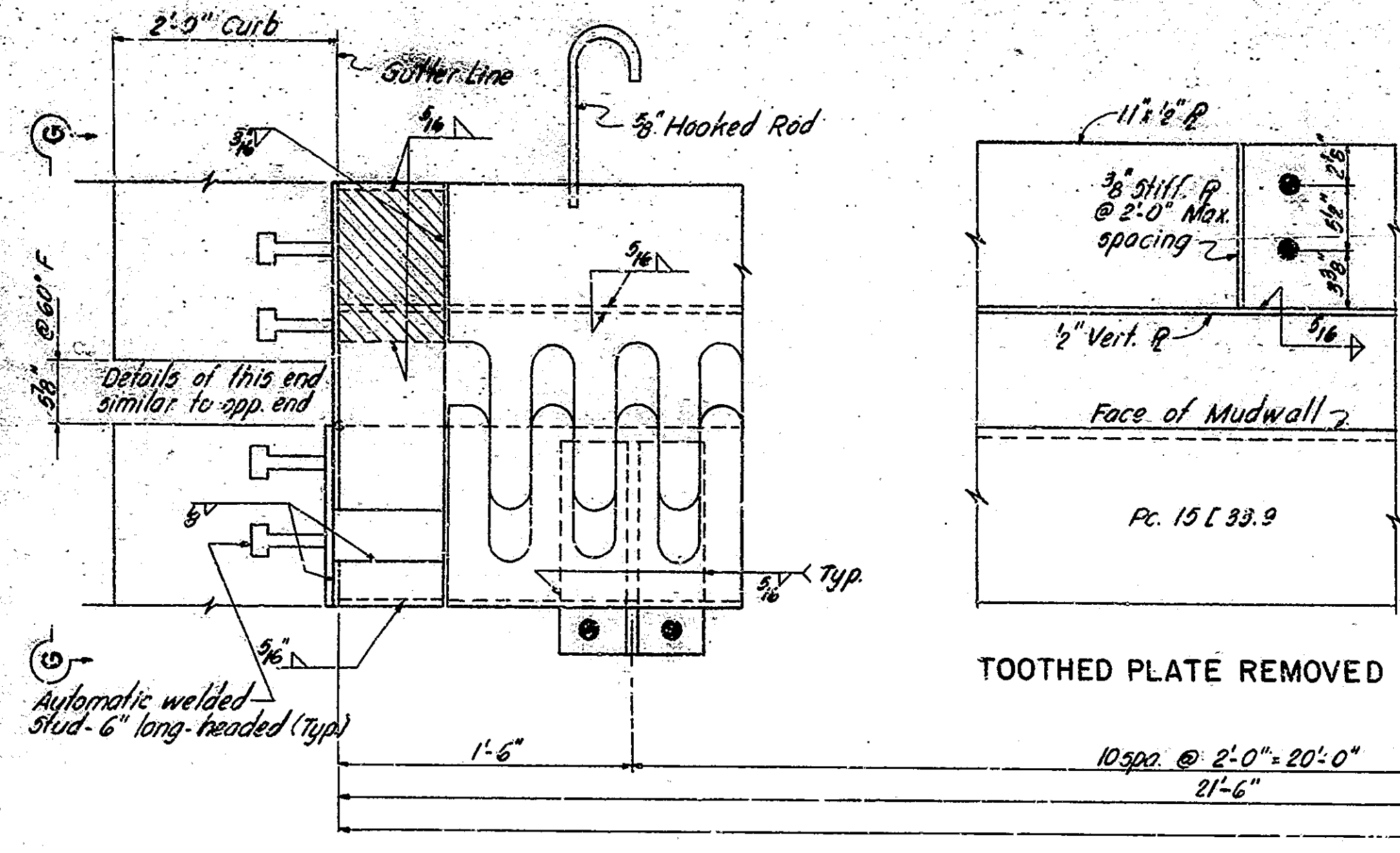
DRAWING: S21 OF 26
PROJECT: S-124(12)
BRIDGE CONTRACT NO: B-7265
BRIDGE FILE: 135-A9-5763



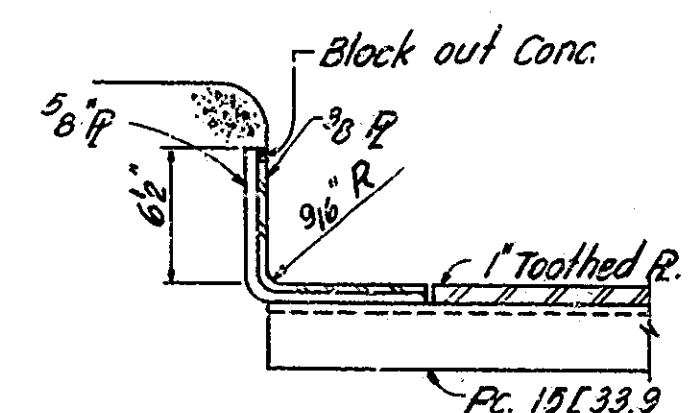
NOTE: Curved surfaces of shoes to be machined after weldments have been completed.

| | |
|----------|-----|
| DESIGNED | CND |
| DRAWN | CBC |
| TRACED | CND |

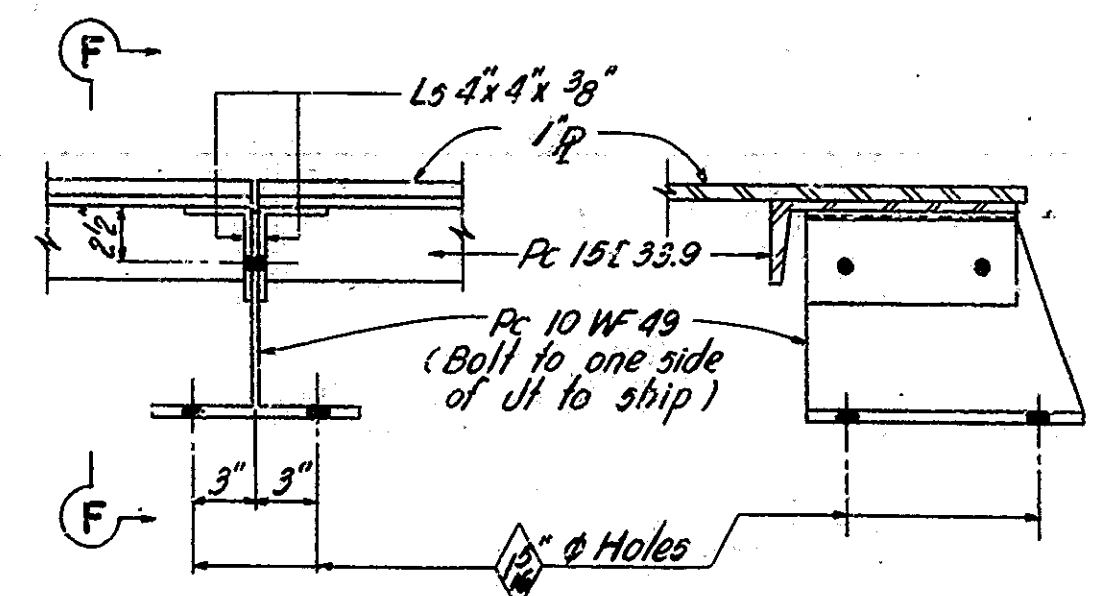
| BRIDGE OVER 20' SPAN | | | | | |
|----------------------|-------|-----------|--------|-------|--------|
| PUB. ROAD | STAIR | PROJECT | FISCAL | SHEET | TOTAL |
| NO. | | NO. | YEAR | NO. | SHEETS |
| 4 | IND. | S-124(12) | 1967 | 26 | 40 |



TYPICAL DETAILS OF TOOTHED PLATE

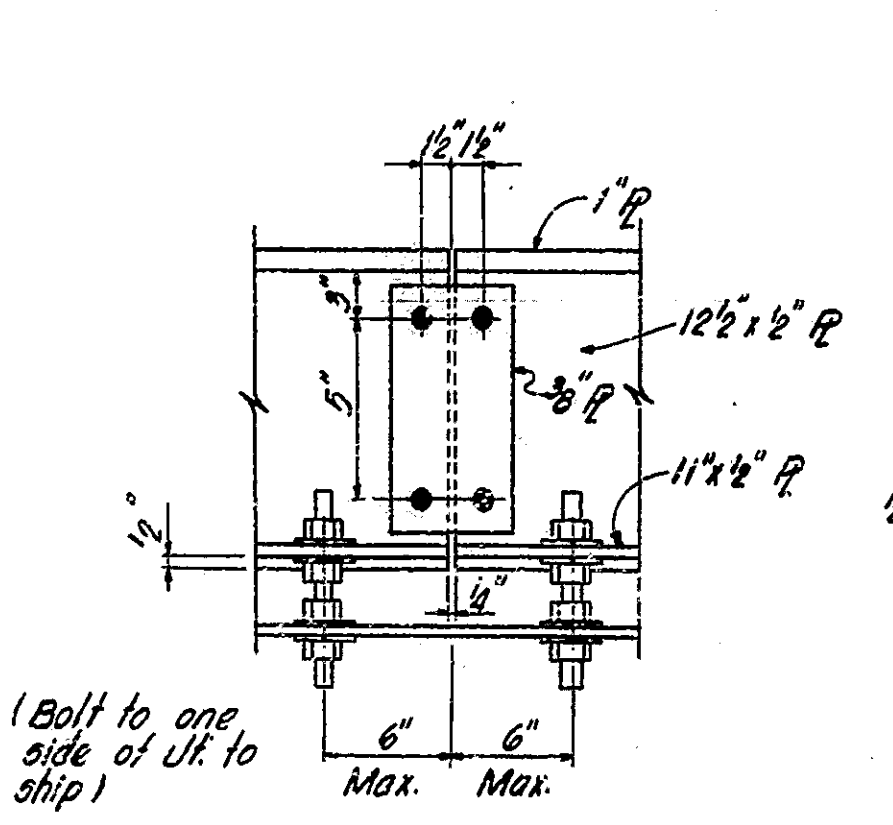


SECTION B-B

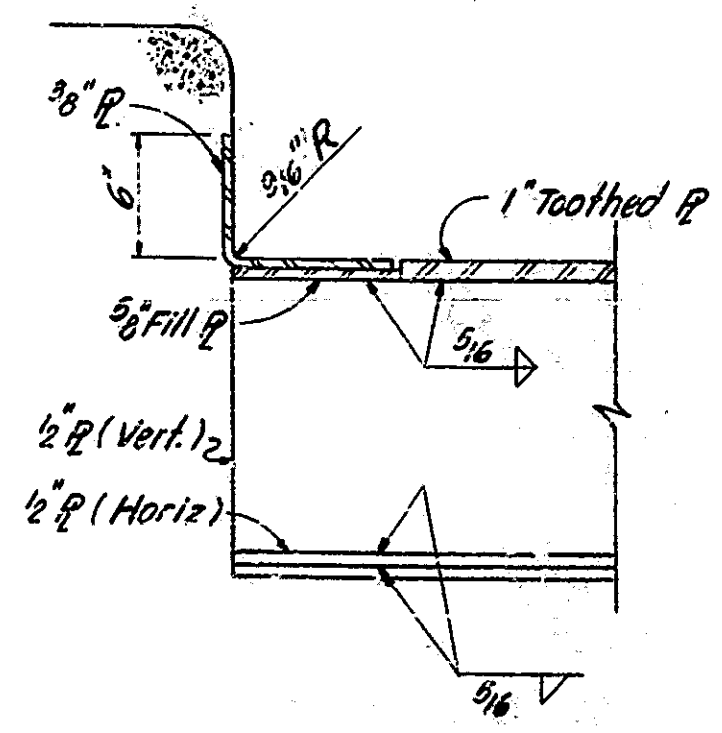


SECTION E-E

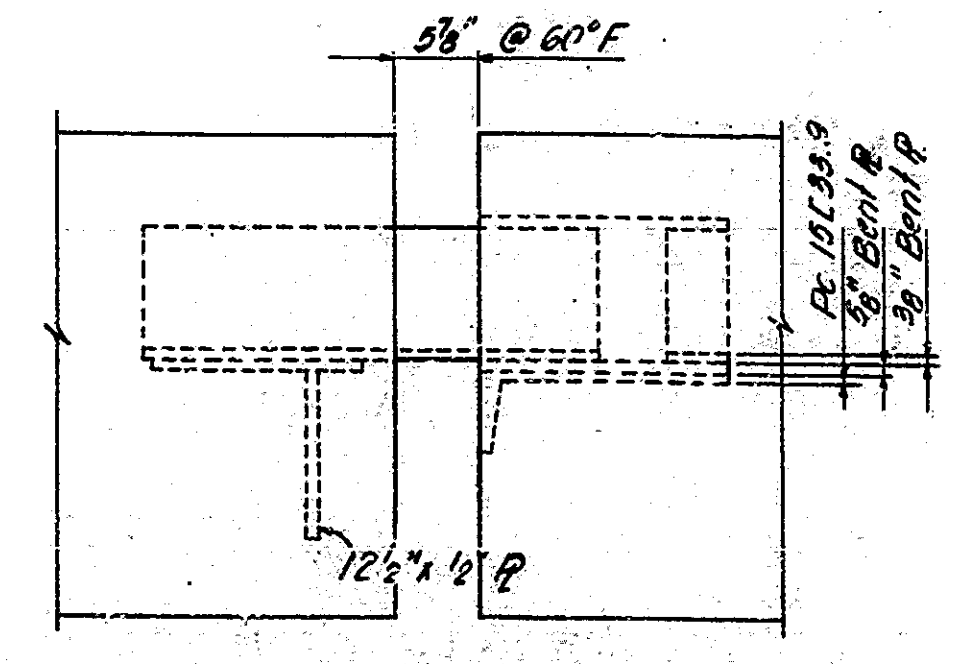
SECTION F-F



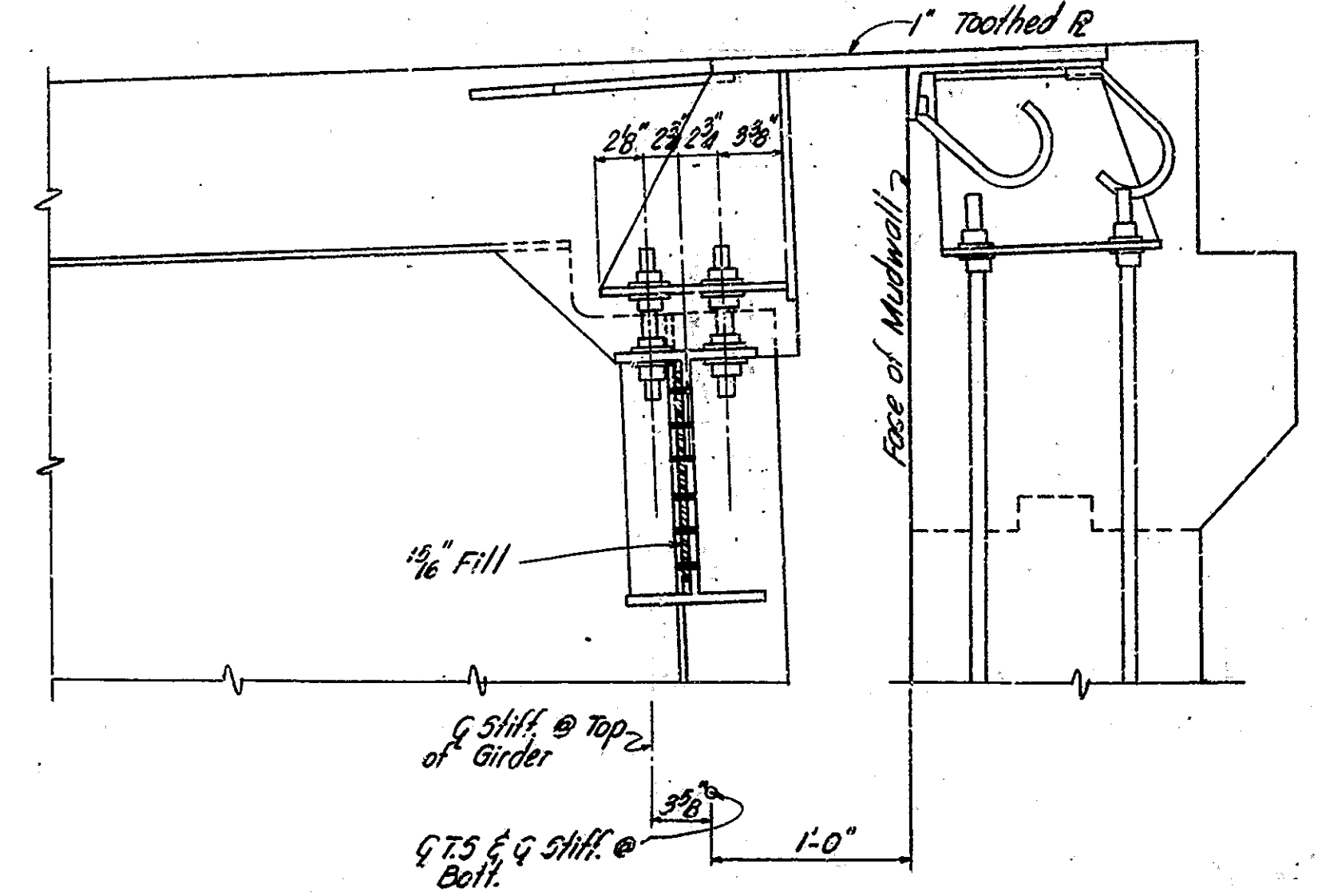
SECTION D-D



SECTION C-C



SECTION G-G



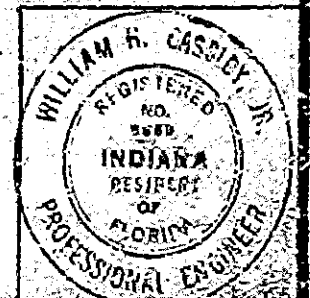
SECTION A-A AT BENT NO. 9

(For details & dimensions not shown see section A-A @ Bent No. 1)

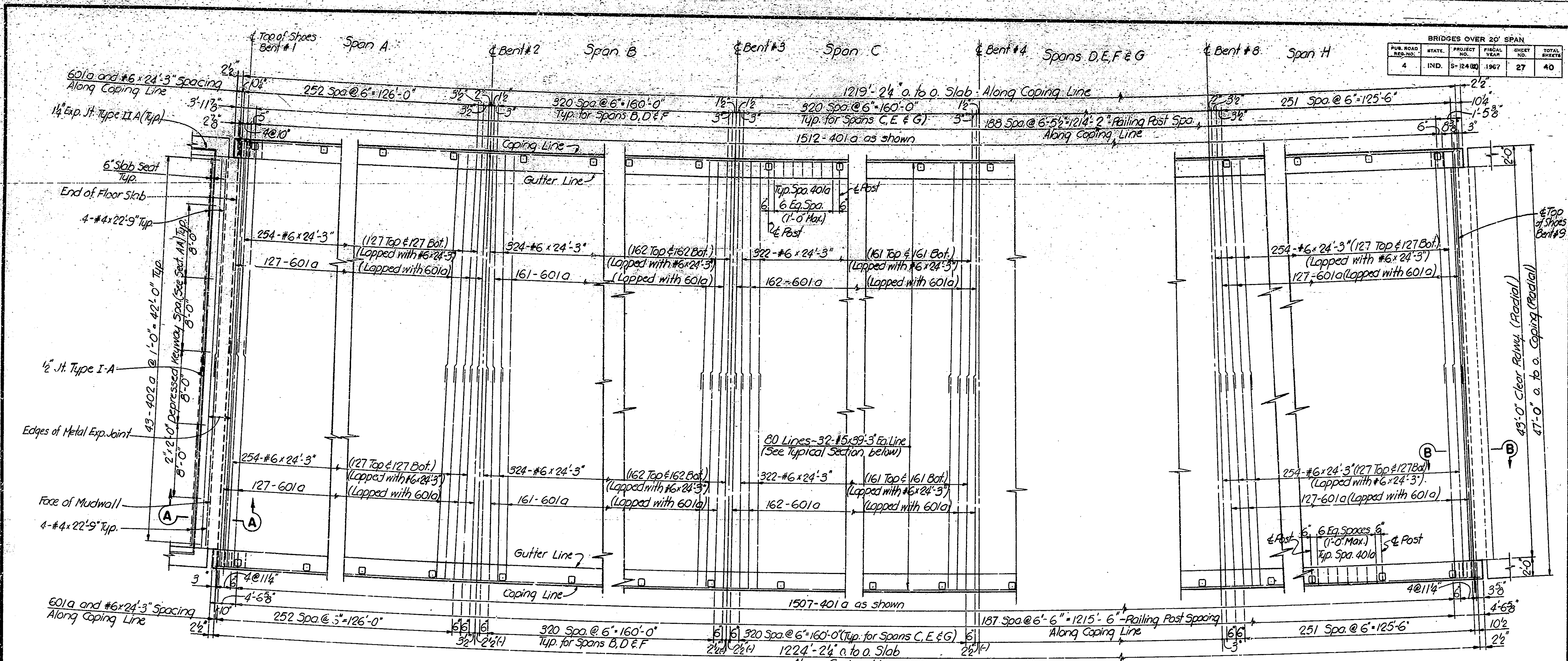
NOTES
 Expansion joints are to be assembled in the shop in their relative erection positions and inspected for fit. The toothed plates should be matchmarked to maintain the same relative position before and after cutting. All dimensions to cuts are given to G of cuts. See Article E1103.13 regarding burning of toothed plate. Top of expansion joints to conform to Roadway Crown.
 For erection data, see Dwg. 5-25
 For General Notes, see Dwg. 5-8
 Estimated weight of toothed joints 75,272 Lbs. (2 Jts.)

TOOTHED EXPANSION JOINT DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: 1 1/2" = 1'-0"
 SUBMITTED FOR APPROVAL: *William H. Cassidy*
 OCTOBER 14, 1966
 DRAWING: S22 OF 26
 PROJECT: S-124(12)
 BRIDGE CONTRACT NO: B-7265
 BRIDGE FILE: I35-A9-5763

| | |
|----------|---------------|
| DESIGNED | C.K.D. |
| DRAWN | A.R.C. C.K.D. |
| TRACED | C.K.D. |



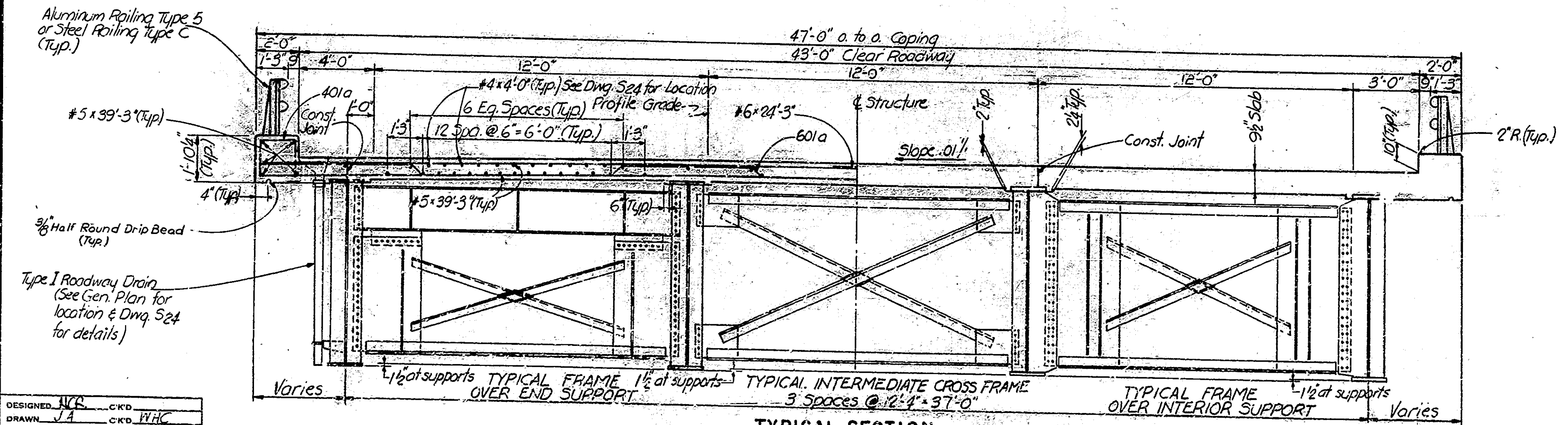
| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|-------------|-------------|--------------|
| PUB. ROAD DIST. NO. | STATE | PROJECT NO. | FISCAL YEAR | TOTAL SHEETS |
| 4 | IND. | S-124(12) | 1967 | 40 |



PLAN
Scale 3/8" = 1'-0"

Notes

See Br. Sld. C, for Reinforcing Bar notes.
 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.
 Railing anchor bolts shall be preset in concrete, for location see Br. Sld. R1-c or Br. Sld. R1-f.
 Sequence of pours to be made in order of pour numbers. All super structure construction joints are optional and pours may be continuous provided the pour terminates at a construction joint indicated on plans.
 See Dwg. S24 for additional details.
 See Dwg. S2 for General Notes.
 See Dwg. S5 for Coping curvature procedure.



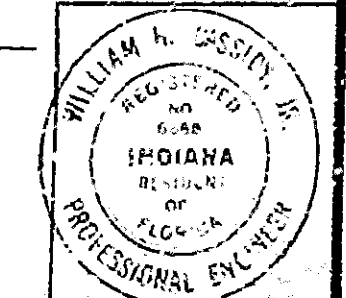
TYPICAL SECTION
Scale 3/8" = 1'-0"

FLOOR DETAILS
INDIANA STATE HIGHWAY COMMISSION
HARRISON COUNTY

SCALE: AS NOTED
OCTOBER 14, 1966

SUBMITTED FOR APPROVAL: *William H. Cassidy*

DRAWING: S23 OF 26
PROJECT: S-124 (12)
BRIDGE CONTRACT NO. B7265
BRIDGE FILE: 135-A9-5763



DESIGNED: NCR CKD
DRAWN: JA CKD WAC
TRACED: CKD

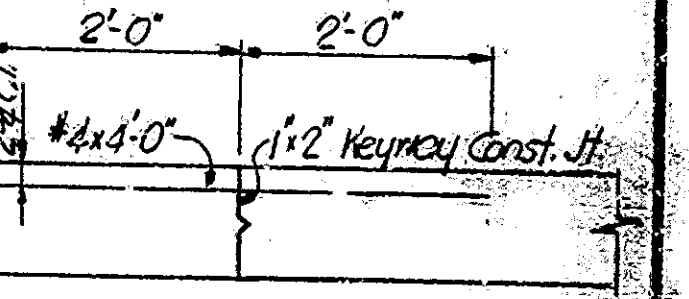
| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|-------------|-------------|------------------------|
| PUR. ROAD RES. NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. TOTAL SHEETS |
| 4 | IND. | S-124(1E) | 1967 | 28 40 |

| BILL OF MATERIALS | | | |
|----------------------------------|-------|-------------|----------|
| REINFORCING STEEL | | | |
| Mark | Size | No. of Bars | Weight |
| 601a | 24# | 27-0" | |
| #5 | 24# | 24-3" | |
| #6 | 27-0" | 6-0" | |
| | Total | 57 | 279.312* |
| #5 | 23# | 39-3" | |
| | Total | 76 | 102.601* |
| 401a | 3019 | 4-9" | |
| 402a | 86 | 4-9" | |
| #4 | 16 | 22-9" | |
| | Total | 84 | 100.67* |
| Total Reinforcing Steel 399.680* | | | |
| *#4 12# 4'-0" | | | |

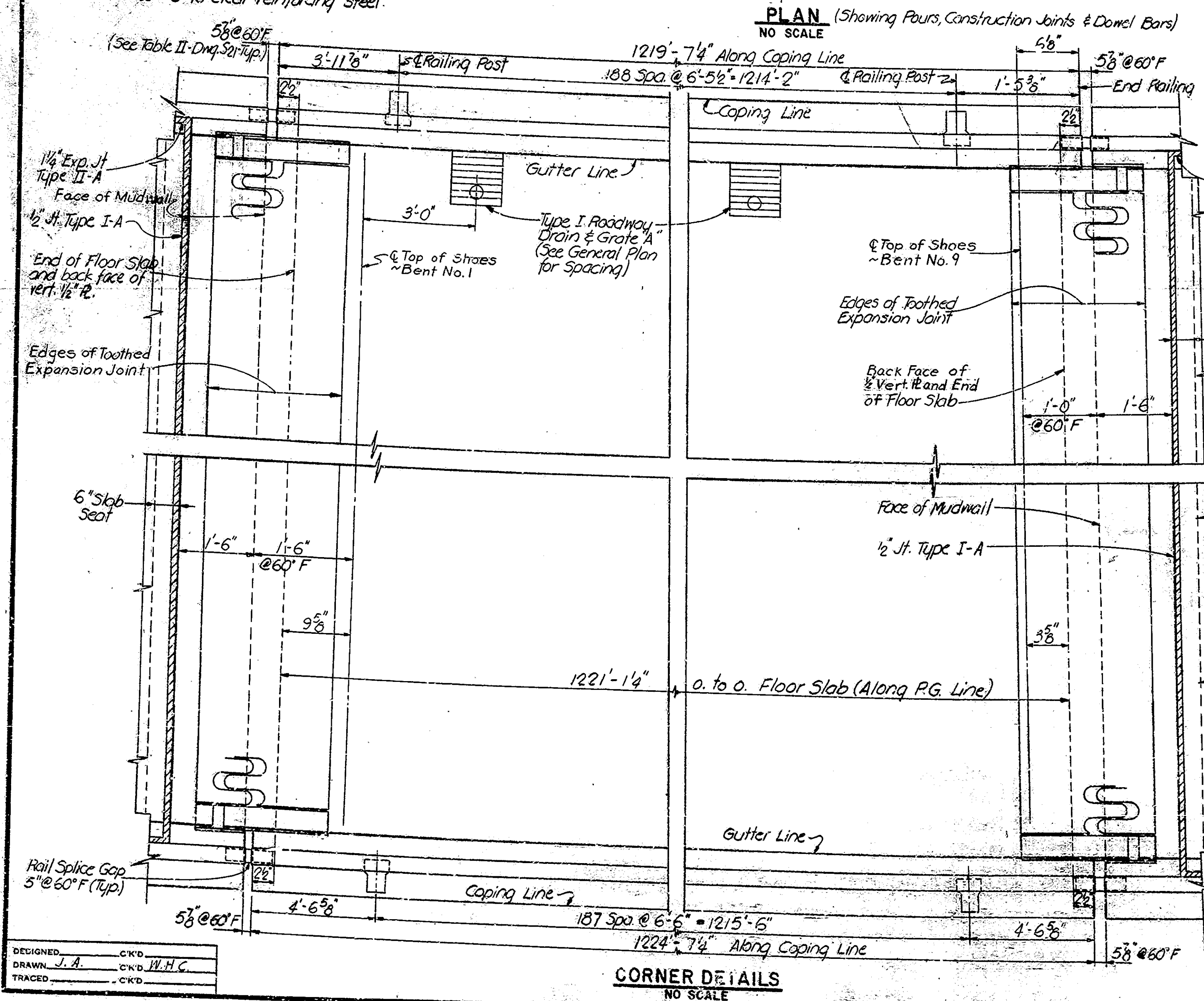
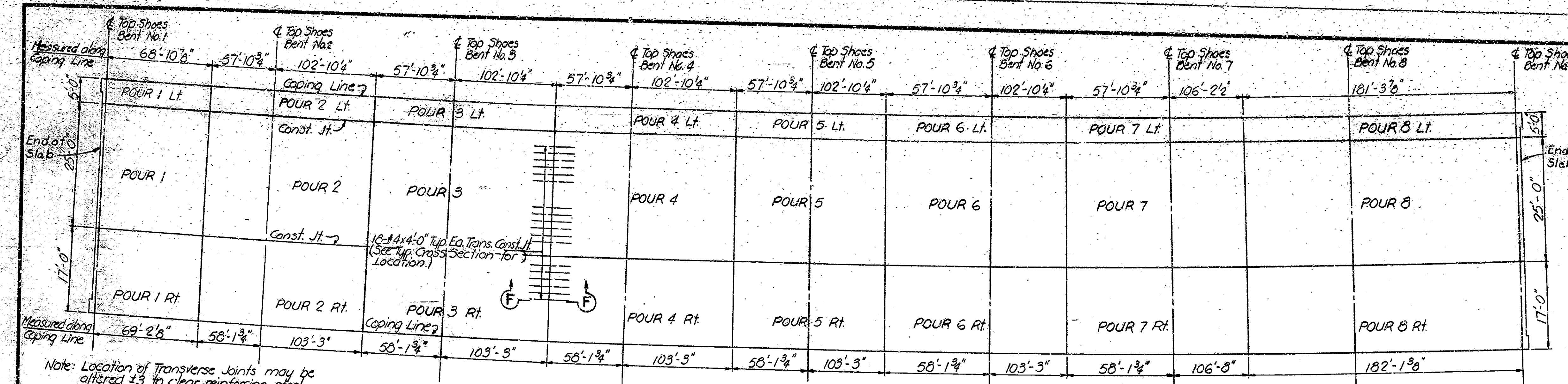
| CONCRETE | |
|-------------------------------|-------|
| Class | C.Y. |
| Pour 1 | 53.2 |
| Pour 1 Lt. | 17.3 |
| Pour 1 Rt. | 42.8 |
| Pour 2 | 121.2 |
| Pour 2 Lt. | 39.7 |
| Pour 2 Rt. | 97.8 |
| Pour 3 | 121.2 |
| Pour 3 Lt. | 39.7 |
| Pour 3 Rt. | 97.8 |
| Pour 4 | 121.2 |
| Pour 4 Lt. | 39.7 |
| Pour 4 Rt. | 97.8 |
| Pour 5 | 121.2 |
| Pour 5 Lt. | 39.7 |
| Pour 5 Rt. | 97.8 |
| Pour 6 | 121.2 |
| Pour 6 Lt. | 39.7 |
| Pour 6 Rt. | 97.8 |
| Pour 7 | 121.2 |
| Pour 7 Lt. | 39.7 |
| Pour 7 Rt. | 97.8 |
| Pour 8 | 121.2 |
| Pour 8 Lt. | 39.7 |
| Pour 8 Rt. | 97.8 |
| Total Class F Concrete 1975.8 | |
| Appor. Pavement Seat 14.3 | |

MISCELLANEOUS

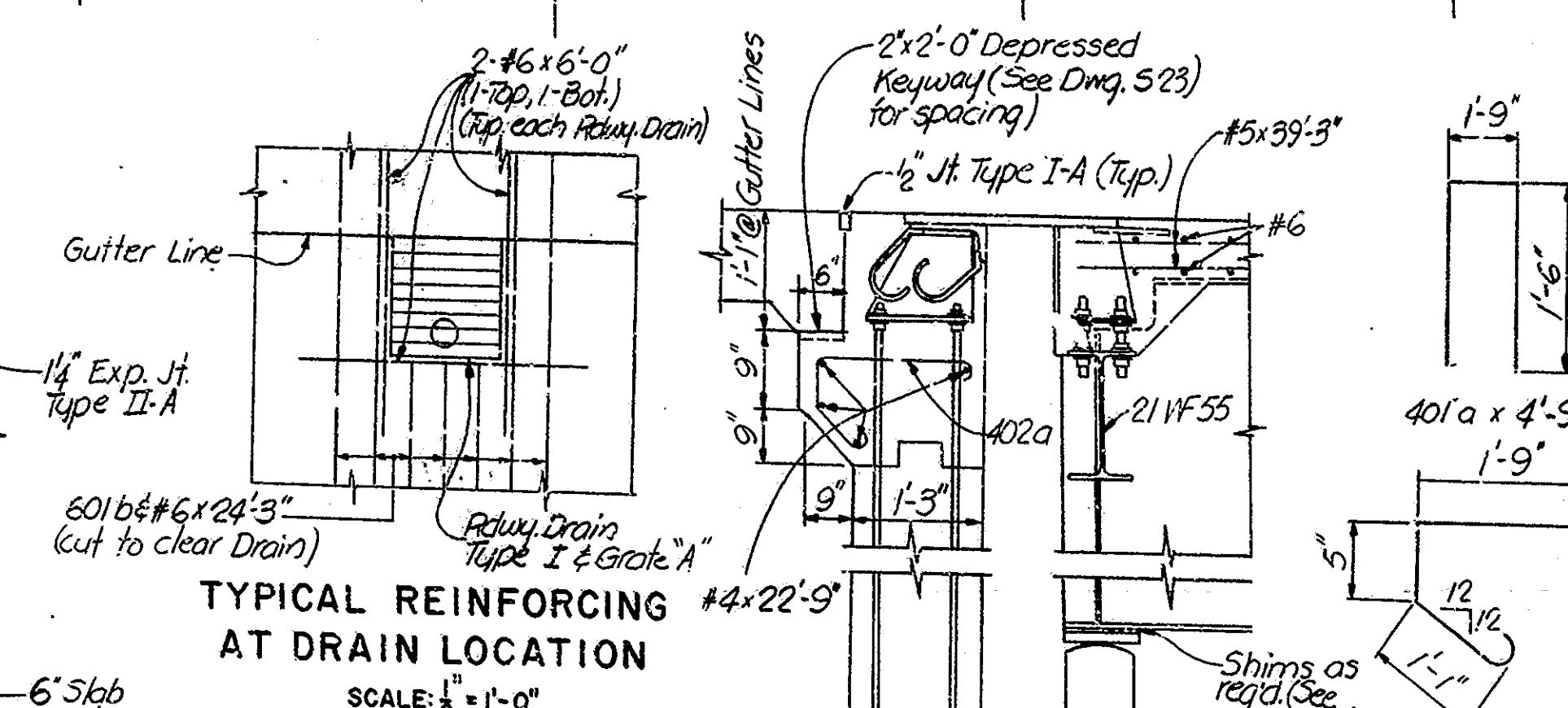
- **Railing - Type 5 or Type 6 24# 3' 21#
- **Rwy. Drains 14# 1" 12# 5 lbs
- **Welded and Seamless Steel Pipe 21" 12# 5 lbs
- *Cost of #4 x 4'-0" to be included in cost of other items.
- **Includes Railing on End Bents.
- **Includes Adjustable Bracket, and to be paid for as Cast Iron.



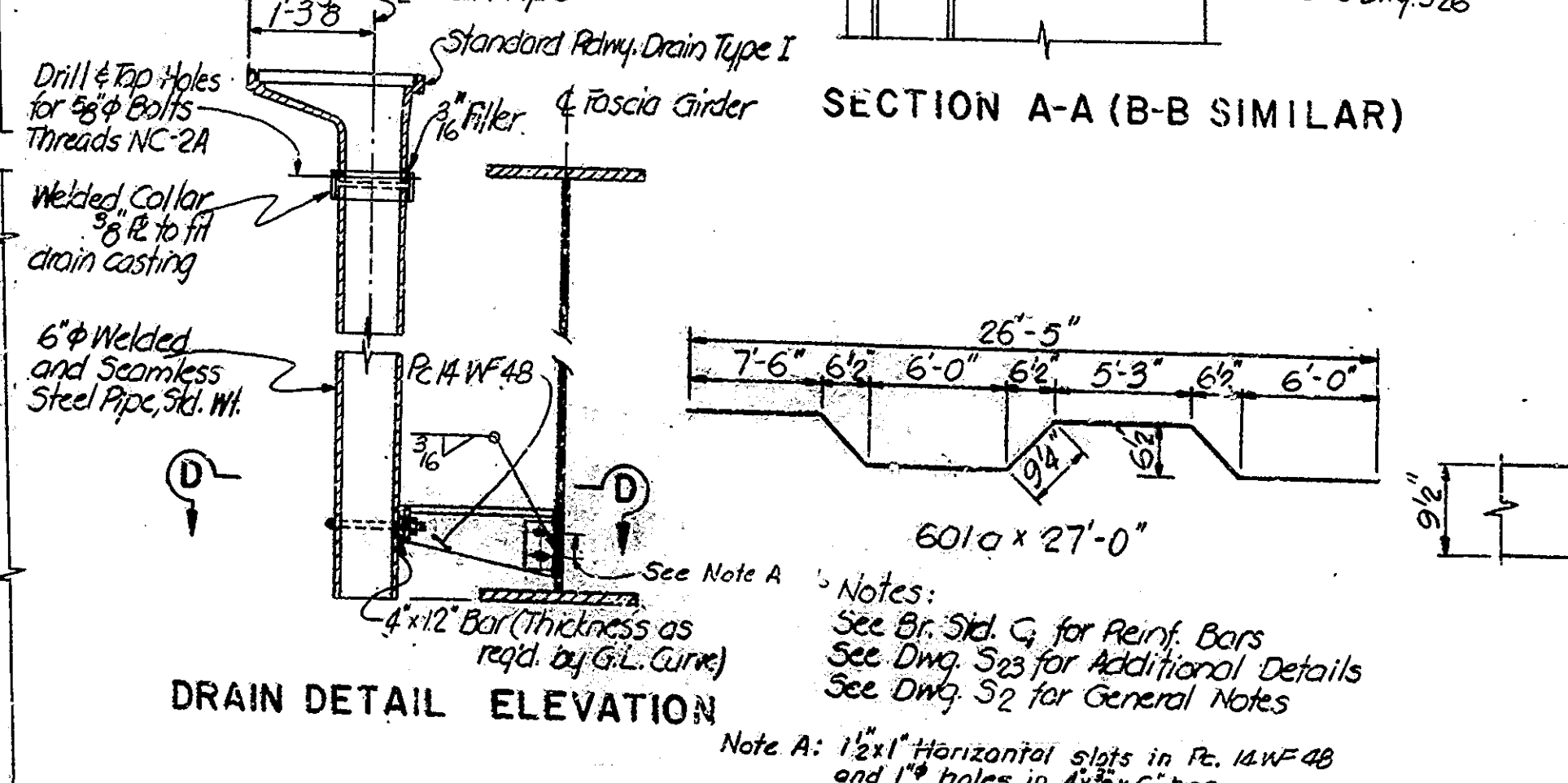
SECTION F-F



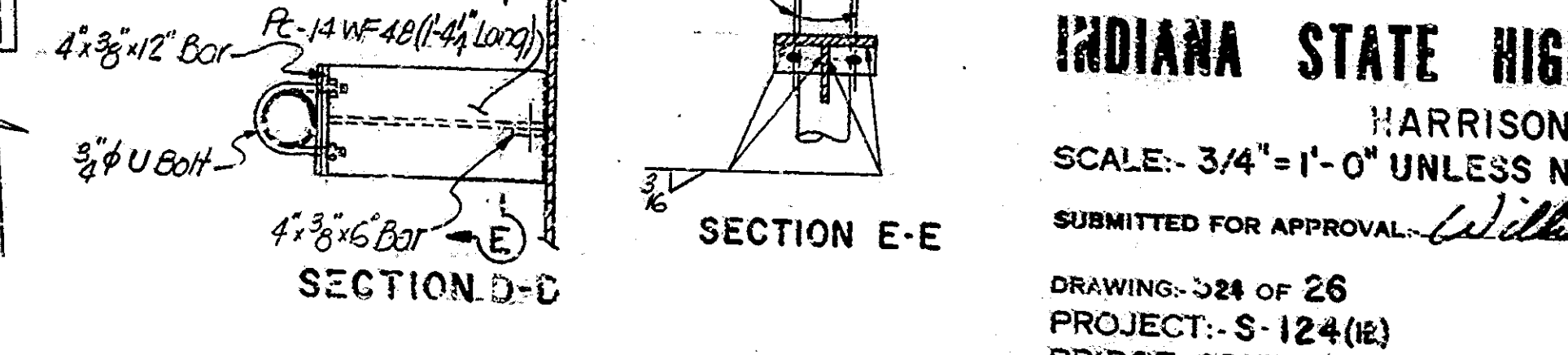
DESIGNED: CKD
 DRAWN: J.A. CKD W.H.C.
 TRACED: CKD



TYPICAL REINFORCING AT DRAIN LOCATION

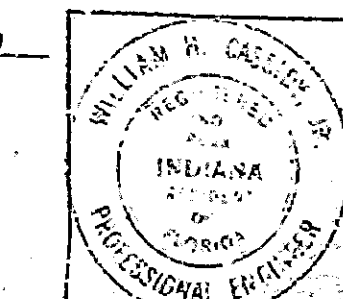


DRAIN DETAIL ELEVATION

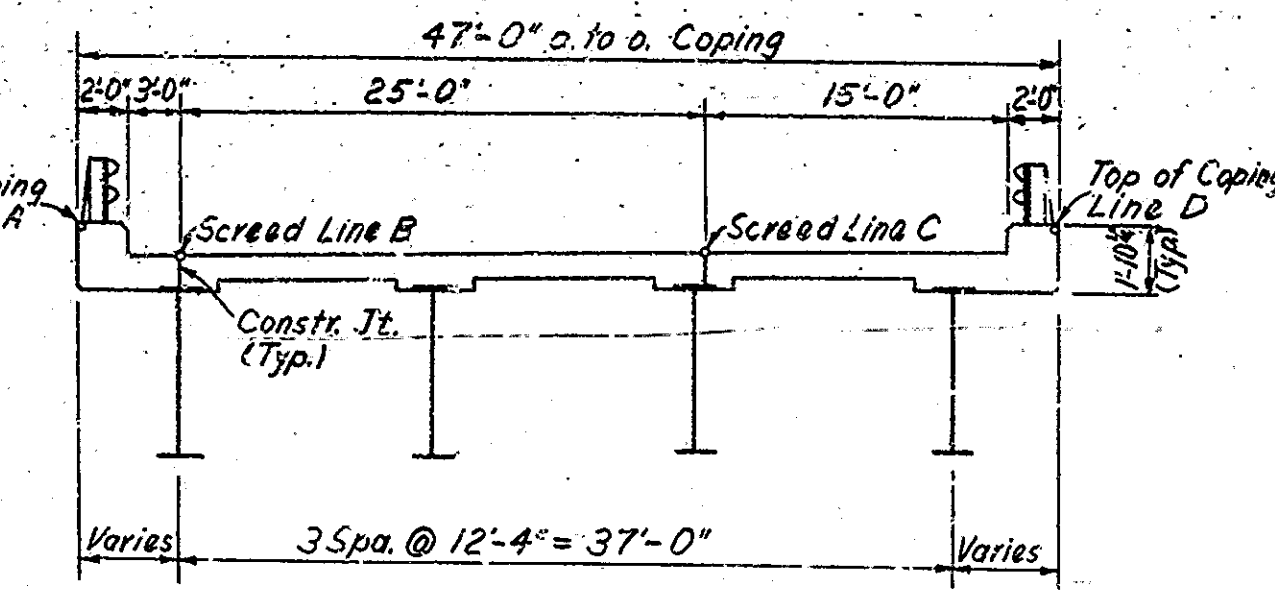
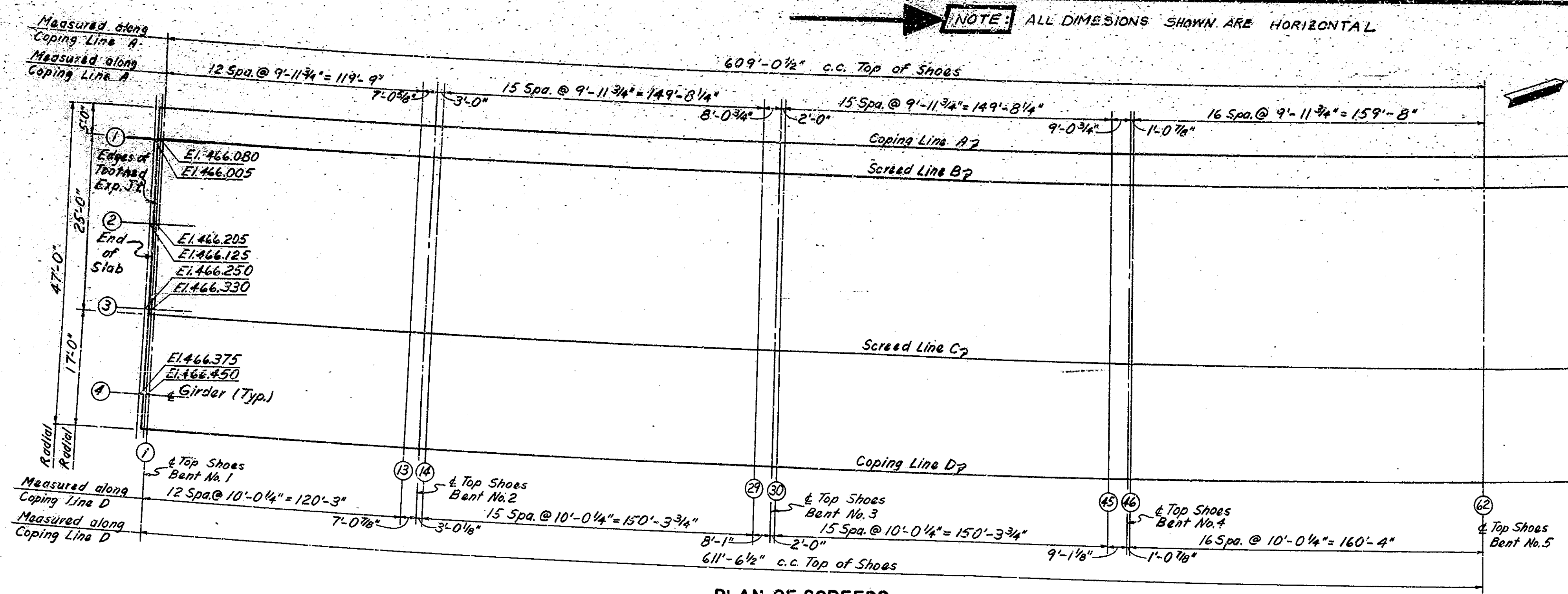


SECTION D-D SECTION E-E

FLOOR DETAILS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY
 SCALE: 3/4" = 1'-0" UNLESS NOTED
 SUBMITTED FOR APPROVAL: *William H. Casady*
 OCTOBER 14, 1966
 DRAWING: 324 OF 26
 PROJECT: S-124(1E)
 BRIDGE CONTRACT NO. B-7253
 BRIDGE FILE: 135-A9-5753



| BRIDGES OVER 20' SPAN | | | | |
|-----------------------|-------|-------------|-------------|--------------|
| PUB. ROAD. | STATE | PROJECT NO. | FISCAL YEAR | TOTAL SHEETS |
| 4 | IND. | 3-124(12) | 1967 | 29 |
| | | | | 40 |



CROSS SECTION OF ROADWAY
NOTE TO ERECTOR
 Accumulation of misalignment, within fabrication and erection tolerances, plus the effect of temperature on the structural steel if not properly compensated for during erection may cause problems in the floor and tooted up details. The "General Procedures" which are normally used, might be difficult to follow on this structure. Care shall therefore be taken during erection to insure the location of the Girders with respect to their detailed position on the bent details. Particular care shall be taken to insure the dimension "C" in Table II before any concrete in floor is poured.

PLAN OF SCREEDS

| TABLE OF ELEVATIONS | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|---------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| A | Elev. Top of Coping Form | 466.905 | 467.300 | 467.700 | 468.100 | 468.495 | 468.895 | 469.295 | 469.695 | 470.090 | 470.430 | 470.810 | 471.195 | 471.585 | 471.985 | 472.390 | 472.805 | 473.220 | 473.640 | 474.060 | 474.475 | 474.885 | 475.285 | 475.680 | 476.070 | 476.455 | 476.830 | 477.210 | 477.595 | 477.985 | 478.385 | 478.790 | |
| A | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Elev. Top of Screed | 466.100 | 466.500 | 466.895 | 467.295 | 467.690 | 468.085 | 468.470 | 468.860 | 469.245 | 469.625 | 470.010 | 470.390 | 470.780 | 471.180 | 471.585 | 472.000 | 472.420 | 472.840 | 473.260 | 473.670 | 474.080 | 474.480 | 474.875 | 475.265 | 475.650 | 476.030 | 476.410 | 476.795 | 477.180 | 477.580 | 477.990 | |
| B | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Elev. Top of Screed | 466.350 | 466.750 | 467.145 | 467.545 | 467.940 | 468.335 | 468.720 | 469.110 | 469.495 | 469.875 | 470.255 | 470.640 | 471.030 | 471.430 | 471.835 | 472.250 | 472.670 | 473.090 | 473.510 | 473.920 | 474.330 | 474.730 | 475.125 | 475.515 | 475.900 | 476.280 | 476.660 | 477.045 | 477.430 | 477.830 | 478.235 | |
| C | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Elev. Top of Coping Form | 467.335 | 467.730 | 468.130 | 468.530 | 468.925 | 469.315 | 469.705 | 470.095 | 470.480 | 470.860 | 471.240 | 471.625 | 472.015 | 472.415 | 472.820 | 473.235 | 473.650 | 474.070 | 474.490 | 474.905 | 475.315 | 475.715 | 476.110 | 476.500 | 476.885 | 477.260 | 477.640 | 478.025 | 478.415 | 478.815 | 479.220 | |
| D | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TABLE OF ELEVATIONS | | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | |
|---------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| A | Elev. Top of Coping Form | 479.205 | 479.625 | 480.040 | 480.460 | 480.875 | 481.285 | 481.685 | 482.080 | 482.470 | 482.855 | 483.235 | 483.615 | 484.000 | 484.385 | 484.785 | 485.190 | 485.600 | 486.020 | 486.440 | 486.860 | 487.275 | 487.685 | 488.085 | 488.485 | 488.875 | 489.255 | 489.640 | 490.020 | 490.400 | 490.785 | 491.185 | |
| A | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Elev. Top of Screed | 478.400 | 478.820 | 479.240 | 479.660 | 480.075 | 480.480 | 480.885 | 481.280 | 481.670 | 482.055 | 482.435 | 482.810 | 483.195 | 483.585 | 483.980 | 484.385 | 484.800 | 485.215 | 485.635 | 486.055 | 486.470 | 486.880 | 487.285 | 487.680 | 488.070 | 488.455 | 488.835 | 489.215 | 489.595 | 489.985 | 490.380 | |
| B | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Elev. Top of Screed | 478.650 | 479.070 | 479.490 | 479.910 | 480.325 | 480.730 | 481.135 | 481.530 | 481.920 | 482.305 | 482.685 | 483.060 | 483.445 | 483.835 | 484.230 | 484.635 | 485.050 | 485.465 | 485.885 | 486.305 | 486.720 | 487.130 | 487.535 | 487.930 | 488.320 | 488.705 | 489.085 | 489.465 | 489.845 | 490.235 | 490.630 | |
| C | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Elev. Top of Coping Form | 479.635 | 480.055 | 480.470 | 480.890 | 481.305 | 481.715 | 482.115 | 482.510 | 482.900 | 483.285 | 483.665 | 484.045 | 484.430 | 484.815 | 485.215 | 485.620 | 486.030 | 486.450 | 486.870 | 487.290 | 487.705 | 488.115 | 488.515 | 488.915 | 489.305 | 489.685 | 490.070 | 490.450 | 490.830 | 491.215 | 491.615 | |
| D | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PURPOSE

"Plan of Screeds" shows location of screeds. "Table of elevations" shows data for setting screeds and coping forms, so that the slab and coping forms will be at final grade elevations after all the concrete has been poured. Table I shows data for setting expansion or bearing plates for expansion shoes.

GENERAL PROCEDURE

- After all steel has been erected, adjust the Superstructure longitudinally so that dimension "C" from the centerline of the Top Shoes to the face of the Roadway parallel to G. Roadway of Bents No. 1 & 9 are equal to the dimension "C" shown on Table II.
- With the Superstructure in the adjusted position called for in (1), adjust the Superstructure laterally at Bents 4, 5 & 6, so that the outside Girders are equidistant either side of the centerline of the bent. After completing these adjustments, all Girders at Bents 4, 5 & 6 are to be jacked in such a manner as to relieve any horizontal deflection in the Bents resulting from the possibility of the steel being placed at a temperature other than that anticipated in the design, and from the preceding adjustment procedures, weld the fixed shoes to the anchor plates at Bents 4, 5 & 6.
- Adjust the expansion or bearing plates under each expansion shoe in accordance with dimensions "A" & "B" in Table I for the prevailing temperature and adjust the Superstructure laterally so that the outside Girders are equidistant either side of the centerline of the Bent. Weld to anchor plates "A.P." Note that dimension "A" is always the distance from a vertical line thru the centerline of the top shoe in a direction away from the fixed shoe.
- Set the steel expansion joint and adjust it to the elevations shown on the Plan of Screeds using double nuts on anchor bolts on top of the diaphragms.
- Adjust the steel expansion joint horizontally so that openings "E" between teeth are equal, and longitudinally so that openings "D" correspond to the values in Table II for the prevailing temperature.
- After the shoes are set, take elevations at all Screeds points on top of the adjacent beams. Enter the elevations in the "Table of Elevations". Subtract these 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.

For Details & Tables not shown see Drawing S26

SCREEDS
INDIANA STATE HIGHWAY COMMISSION
 HARRISON COUNTY

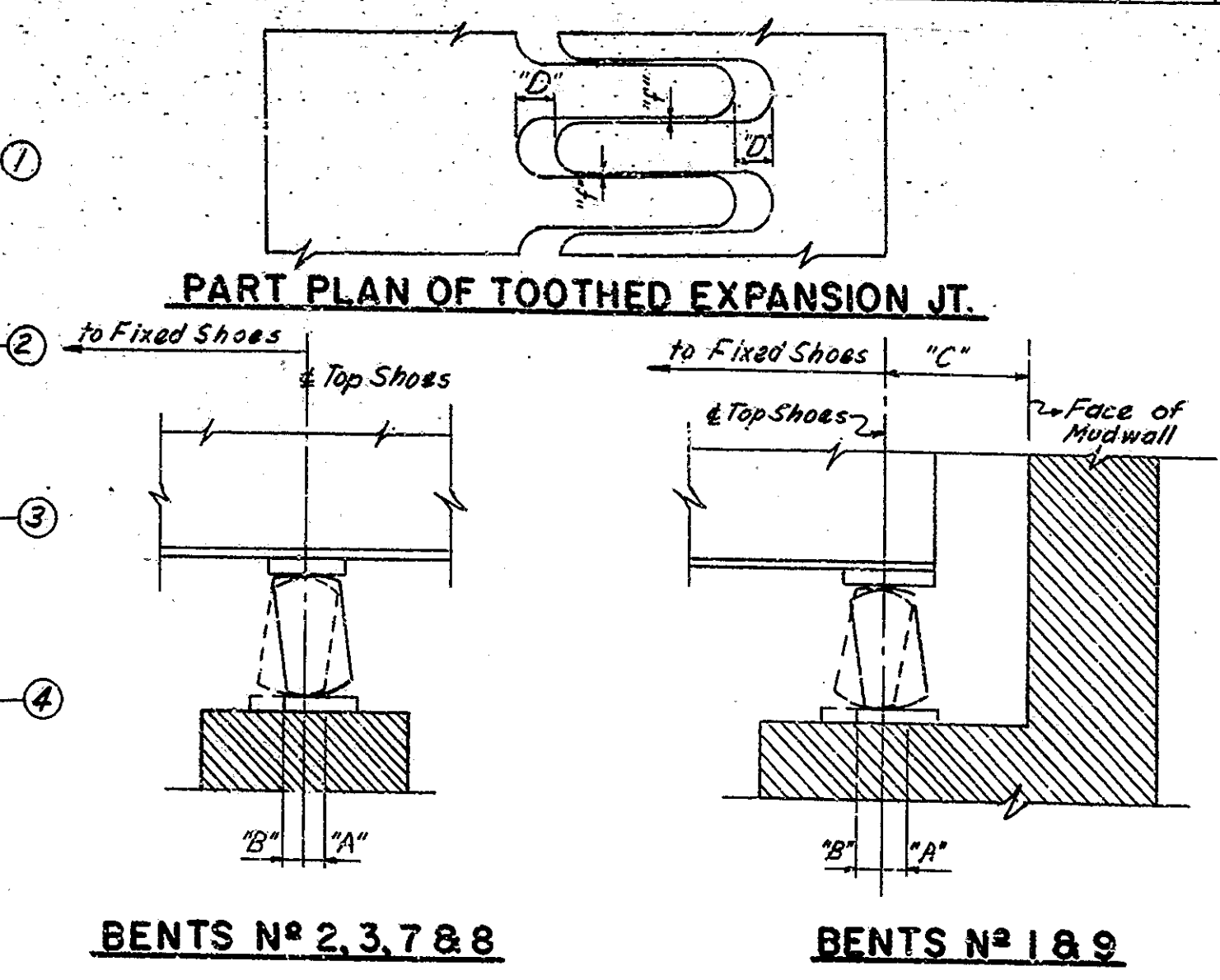
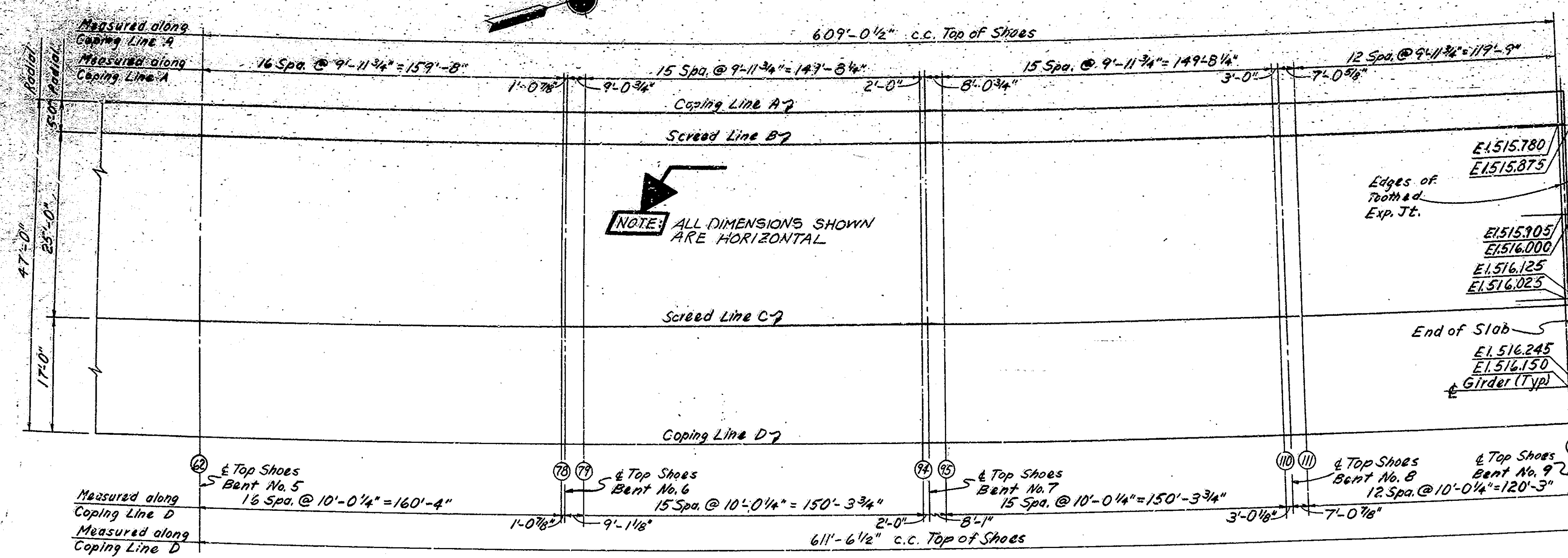
SCALE: AS NOTED
 OCTOBER 14, 1966

SUBMITTED FOR APPROVAL: *William H. Cassidy*

DRAWING: S25 OF 26
 PROJECT: S-124 (12)
 BRIDGE CONTRACT NO. B-7265
 BRIDGE FILE: 135-A9-5763

DESIGNED: S.S. CKD
 DRAWN: S.S. CKD
 TRACED: CKD

| BRIDGES OVER 20' SPAN | | | | | |
|-----------------------|-------|-------------|-------------|-----------|--------------|
| PUR. ROAD REG. NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 4 | IND. | 8-12081 | 1967 | 30 | 40 |



PLAN OF SCREEDS

| TABLE OF ELEVATIONS | | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | |
|---------------------|-----------------------------|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| A | Elev. Top of Coping Form | | 491.585 | 492.000 | 492.420 | 492.840 | 493.255 | 493.675 | 494.085 | 494.485 | 494.885 | 495.275 | 495.660 | 496.040 | 496.420 | 496.800 | 497.190 | 497.585 | 497.985 | 498.400 | 498.815 | 499.235 | 499.655 | 500.070 | 500.485 | 500.895 | 501.295 | 501.690 | 502.085 | 502.475 | 502.865 | 503.255 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Elev. Top of Screed | | 490.785 | 491.195 | 491.615 | 492.035 | 492.455 | 492.870 | 493.280 | 493.685 | 494.080 | 494.470 | 494.855 | 495.235 | 495.615 | 496.000 | 496.385 | 496.780 | 497.185 | 497.595 | 498.010 | 498.435 | 498.855 | 499.270 | 499.680 | 500.090 | 500.490 | 500.890 | 501.280 | 501.670 | 502.060 | 502.450 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Elev. Top of Coping Form | | 491.035 | 491.445 | 491.865 | 492.285 | 492.705 | 493.120 | 493.530 | 493.935 | 494.330 | 494.720 | 495.105 | 495.485 | 495.865 | 496.250 | 496.635 | 497.030 | 497.435 | 497.845 | 498.260 | 498.685 | 499.105 | 499.520 | 499.930 | 500.340 | 500.740 | 501.140 | 501.530 | 501.920 | 502.310 | 502.700 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Elev. Top of Coping Form | | 492.015 | 492.430 | 492.850 | 493.270 | 493.685 | 494.105 | 494.515 | 494.915 | 495.315 | 495.705 | 496.090 | 496.470 | 496.850 | 497.230 | 497.620 | 498.015 | 498.415 | 498.830 | 499.245 | 499.665 | 500.085 | 500.500 | 500.915 | 501.325 | 501.725 | 502.120 | 502.515 | 502.905 | 503.295 | 503.685 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TABLE OF ELEVATIONS | | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | |
|---------------------|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| A | Elev. Top of Coping Form | 503.651 | 504.060 | 504.475 | 504.900 | 505.335 | 505.775 | 506.215 | 506.650 | 507.085 | 507.510 | 507.935 | 508.350 | 508.765 | 509.175 | 509.580 | 509.995 | 510.410 | 510.840 | 511.275 | 511.720 | 512.175 | 512.630 | 513.090 | 513.545 | 513.995 | 514.440 | 514.880 | 515.315 | 515.740 | 516.165 | 516.585 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Elev. Top of Screed | 502.850 | 503.255 | 503.670 | 504.100 | 504.530 | 504.970 | 505.410 | 505.845 | 506.280 | 506.710 | 507.130 | 507.545 | 507.960 | 508.370 | 508.780 | 509.190 | 509.610 | 510.035 | 510.470 | 510.915 | 511.370 | 511.825 | 512.285 | 512.740 | 513.190 | 513.640 | 514.080 | 514.510 | 514.940 | 515.360 | 515.780 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Screed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Elev. Top of Coping Form | 503.100 | 503.505 | 503.920 | 504.350 | 504.780 | 505.220 | 505.660 | 506.095 | 506.530 | 506.960 | 507.380 | 507.800 | 508.210 | 508.620 | 509.030 | 509.440 | 509.860 | 510.285 | 510.720 | 511.165 | 511.620 | 512.075 | 512.535 | 512.990 | 513.440 | 513.890 | 514.330 | 514.760 | 515.190 | 515.610 | 516.030 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Elev. Top of Coping Form | 504.080 | 504.490 | 504.905 | 505.330 | 505.765 | 506.205 | 506.645 | 507.080 | 507.515 | 507.940 | 508.365 | 508.780 | 509.195 | 509.605 | 510.010 | 510.425 | 510.840 | 511.270 | 511.705 | 512.150 | 512.605 | 513.060 | 513.520 | 513.975 | 514.425 | 514.870 | 515.310 | 515.745 | 516.170 | 516.595 | 517.015 | |
| | Elev. Top of Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Top of Beam to Top Coping Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

For Details & Procedure not shown see Drawing S&S

INDIANA STATE HIGHWAY COMMISSION
HARRISON COUNTY

SCALE: AS NOTED
SUBMITTED FOR APPROVAL: *William H. Coady*
OCTOBER 14, 1966
DESIGNED: S.S. CKD. *W.C.*
DRAWN: S.S. CKD.
TRACED: CKD.
BRIDGE CONTRACT NO. B-7265
BRIDGE FILE: 135-A9-5763

TABLE I

| Dimensions | "A" | | | | | | "B" | | | |
|---------------------------------|--------|--------|--------|------|-----|------|------|-------|--------|--------|
| | 0° | 20° | 40° | 60° | 80° | 100° | 120° | 80° | 100° | 120° |
| Top Shoe to Exp. # - Bent 1 | 3 3/8" | 2 3/8" | 1 1/2" | 1/2" | — | — | — | 7/16" | 1 1/8" | 2 3/8" |
| Top Shoe to Exp. # - Bent 2 & 8 | 2 1/4" | 1 1/2" | 3/4" | 0 | — | — | — | 3/4" | 1 1/8" | 2 1/4" |
| Top Shoe to Exp. # - Bent 3 & 7 | 1 1/2" | 1" | 1/2" | 0 | — | — | — | 1/2" | 1" | 1 1/2" |
| Top Shoe to Exp. # - Bent 9 | 3 3/8" | 2 3/8" | 1 1/2" | 1/2" | — | — | — | 7/16" | 1 1/8" | 2 3/8" |

TABLE II

| Temperature | 0° | 20° | 40° | 60° | 80° | 100° | 120° |
|-------------------|-----------|-----------|-----------|--------|------------|------------|-----------|
| Dim. "C" @ Bent 1 | 1'-8 3/4" | 1'-7 7/8" | 1'-6 3/4" | 1'-6" | 1'-5 1/2" | 1'-4 1/2" | 1'-3 1/2" |
| Dim. "C" @ Bent 9 | 1'-2 7/8" | 1'-1 7/8" | 1'-0 1/2" | 1'-0" | 0'-11 1/2" | 0'-10 1/2" | 0'-9 1/2" |
| Dim. "D" | 8 3/4" | 7 3/4" | 6 3/4" | 5 3/4" | 4 3/4" | 4" | 3" |

