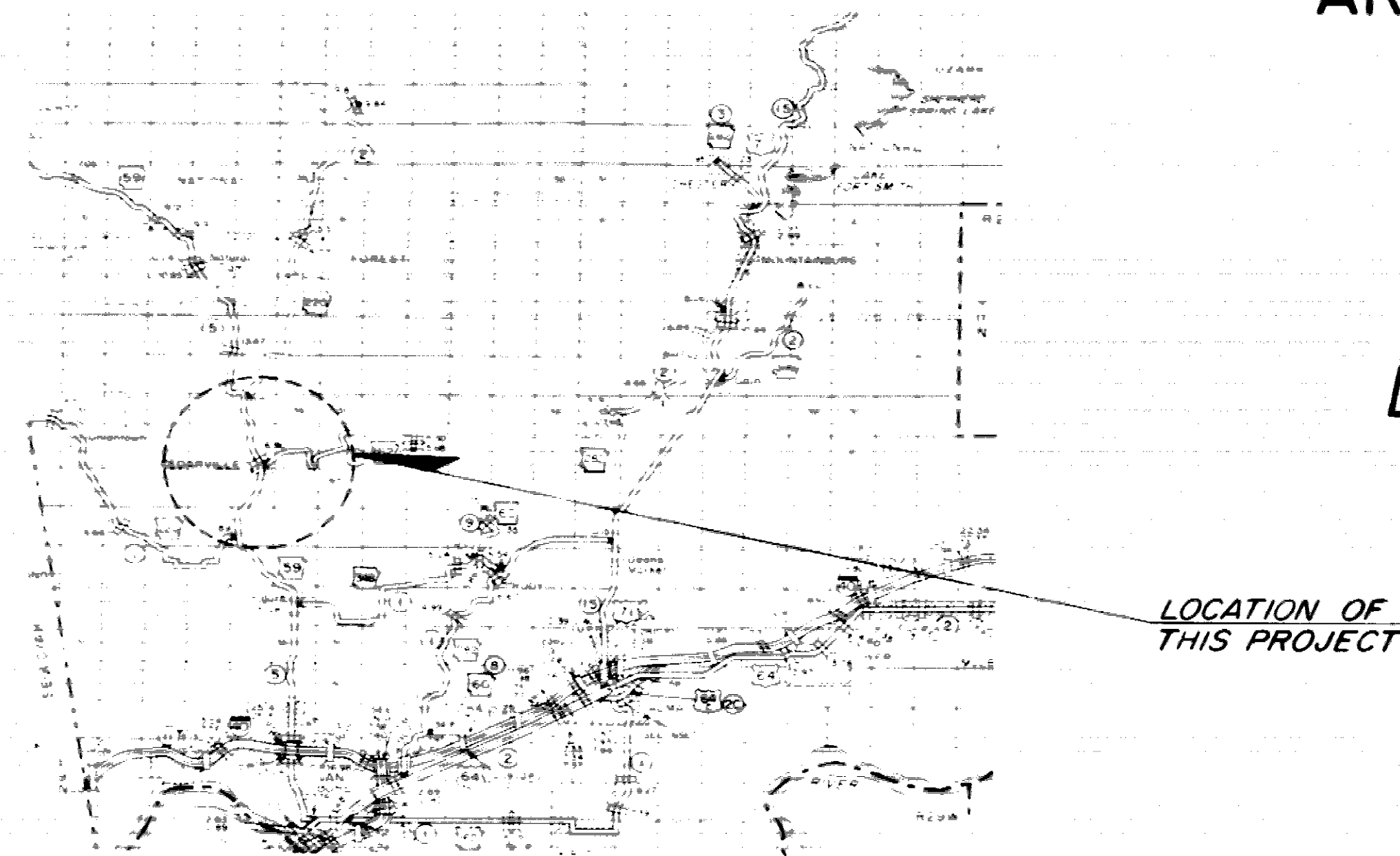


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. 4828		
② WEBBER CREEK BR. & APPRS.								

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
CONSTRUCTION PLANS FOR STATE HIGHWAY



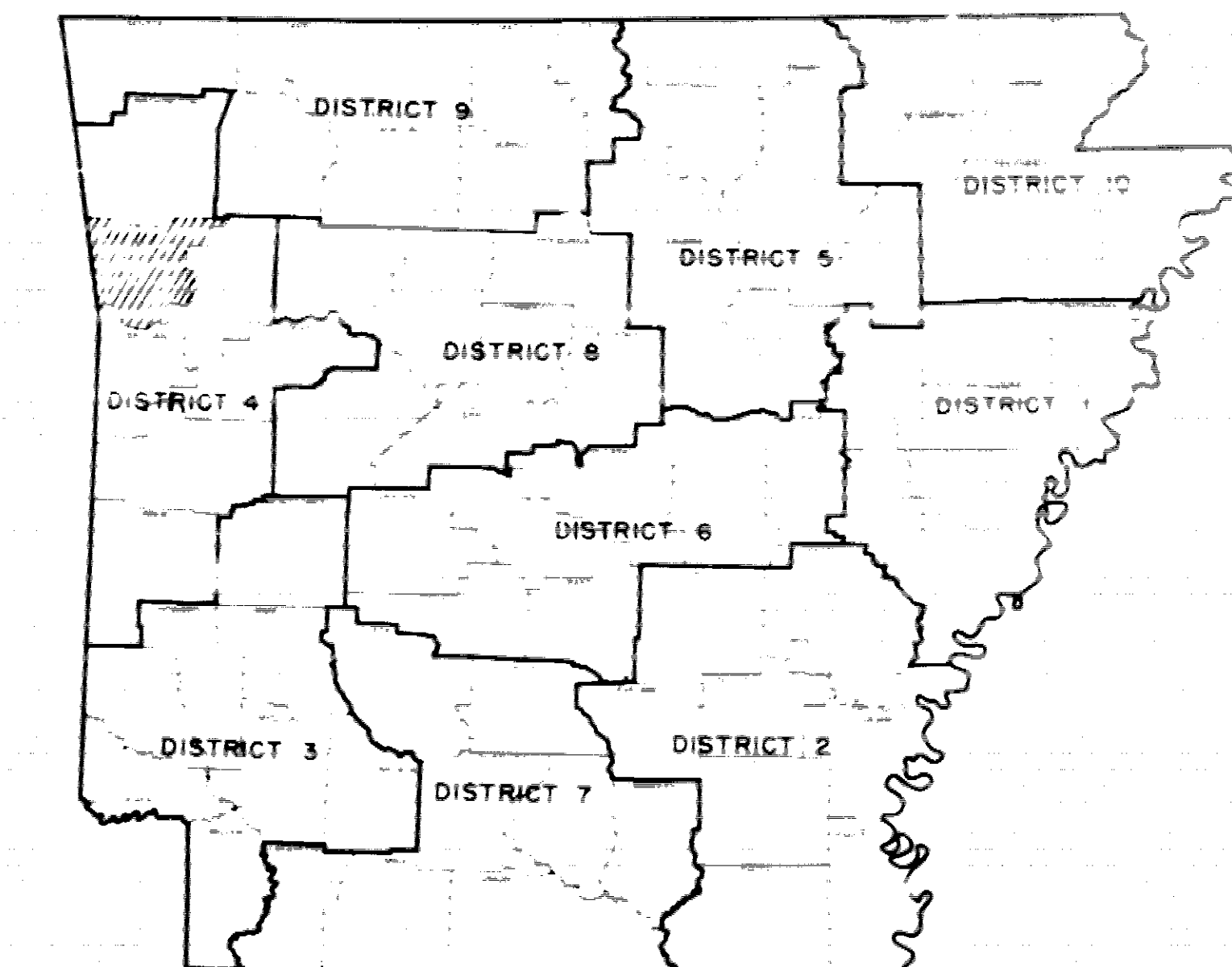
LOCATION OF
THIS PROJECT

CRAWFORD COUNTY

WEBBER CREEK BR. & APPRS.
(CEDARVILLE)

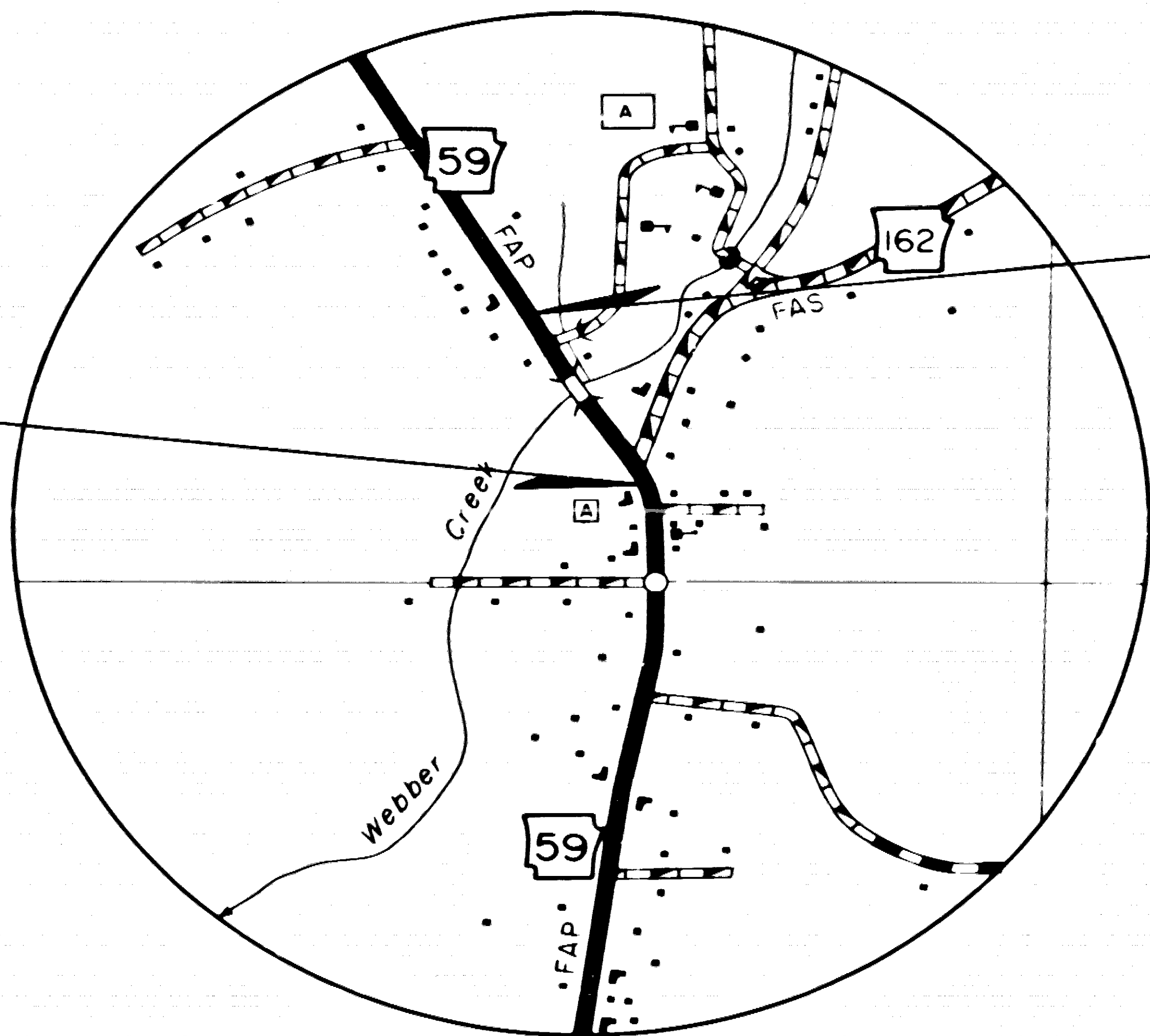
CRAWFORD COUNTY
ROUTE 59 SECTION 5
F.A.P. BRF-039-1(3)

JOB 4828



ARK. HWY. DIST. NO. 4

STA. 37+00 BEGIN JOB 4828



STA. 50+00 END JOB 4828

BRIDGES TO BE CONSTRUCTED UNDER JOB 4828

LOCATION	BRIDGE ENDS		BRIDGE LENGTH	CLEAR ROADWAY WIDTH	BRIDGE NUMBER
	STATION	STATION			
HWY 59	44+32.0	45+37.0	105'-0"	40'-0"	6085

CEDARVILLE
Sec. 2, 11, T 10 N, R 32 W

GROSS LENGTH OF PROJECT 1300.00 FEET OR 0.246 MILES
NET LENGTH OF ROADWAY 1195.00 FEET OR 0.226 MILES
NET LENGTH OF BRIDGES 105.00 FEET OR 0.020 MILES
NET LENGTH OF PROJECTS 1300.00 FEET OR 0.246 MILES

JOB 4828
NON-PART.

• DESIGN DATA •
DESIGN YEAR ----- 2005
1985 ADT ----- 2474
2005 ADT ----- 3918
2005 DHV ----- 431
DIRECTIONAL DISTRIBUTION ----- 60%
TRUCKS ----- 9 % DURING DHV
DESIGN SPEED ----- 40 MPH

RECOMMENDED FOR APPROVAL

BRIDGE DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

DISTRICT ENGINEER

APPROVED

CHIEF ENGINEER

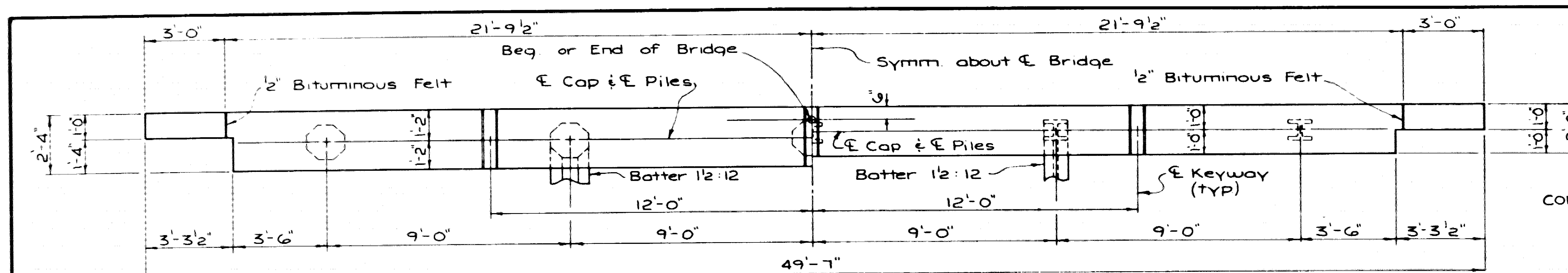
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
RECOMMENDED FOR APPROVAL

APPROVED

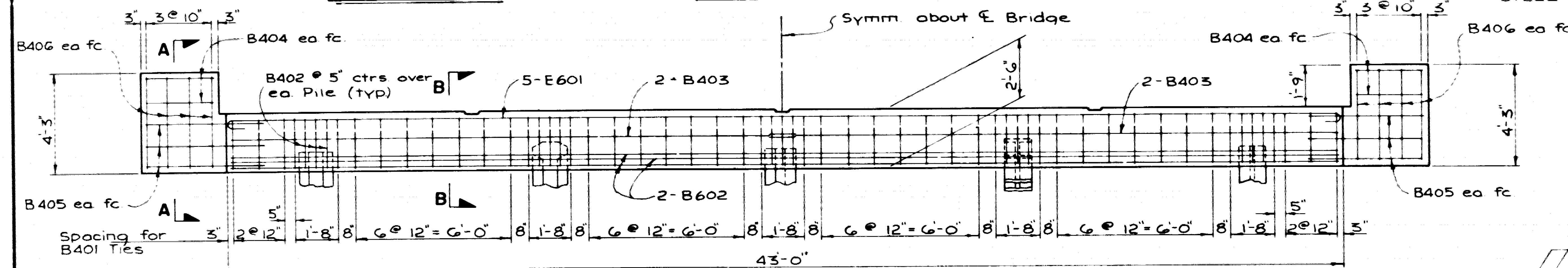
DATE

DATE

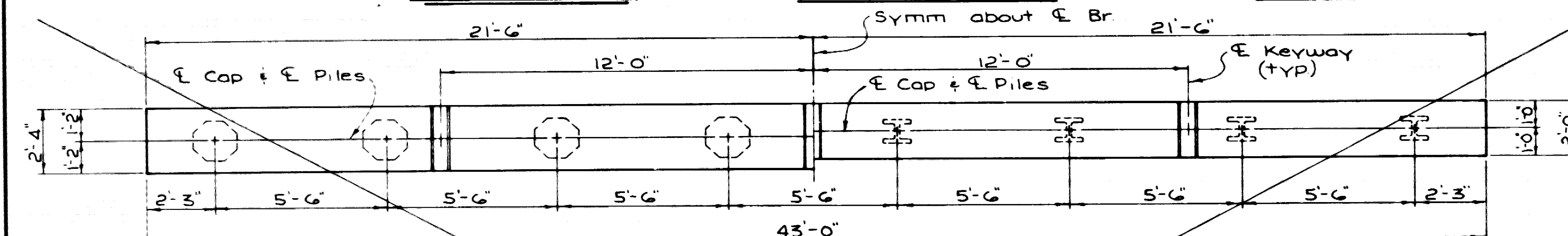
DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		4828		
						2045 STD BENTS	22	245



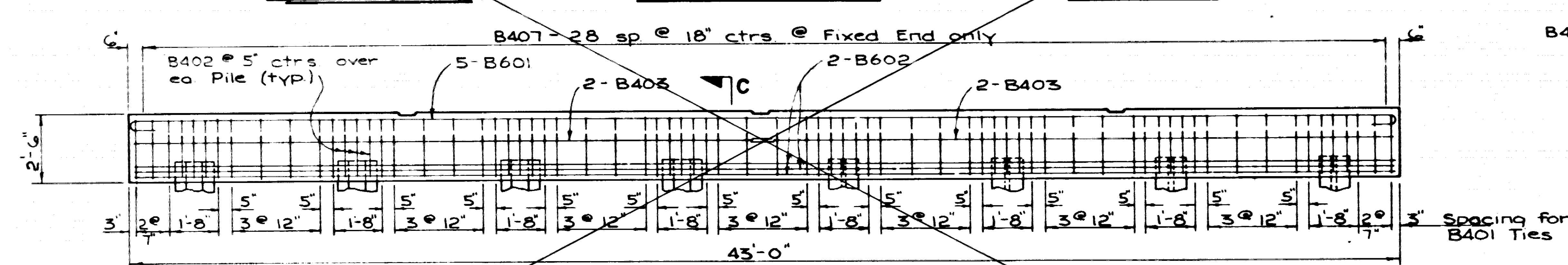
STEEL PILES



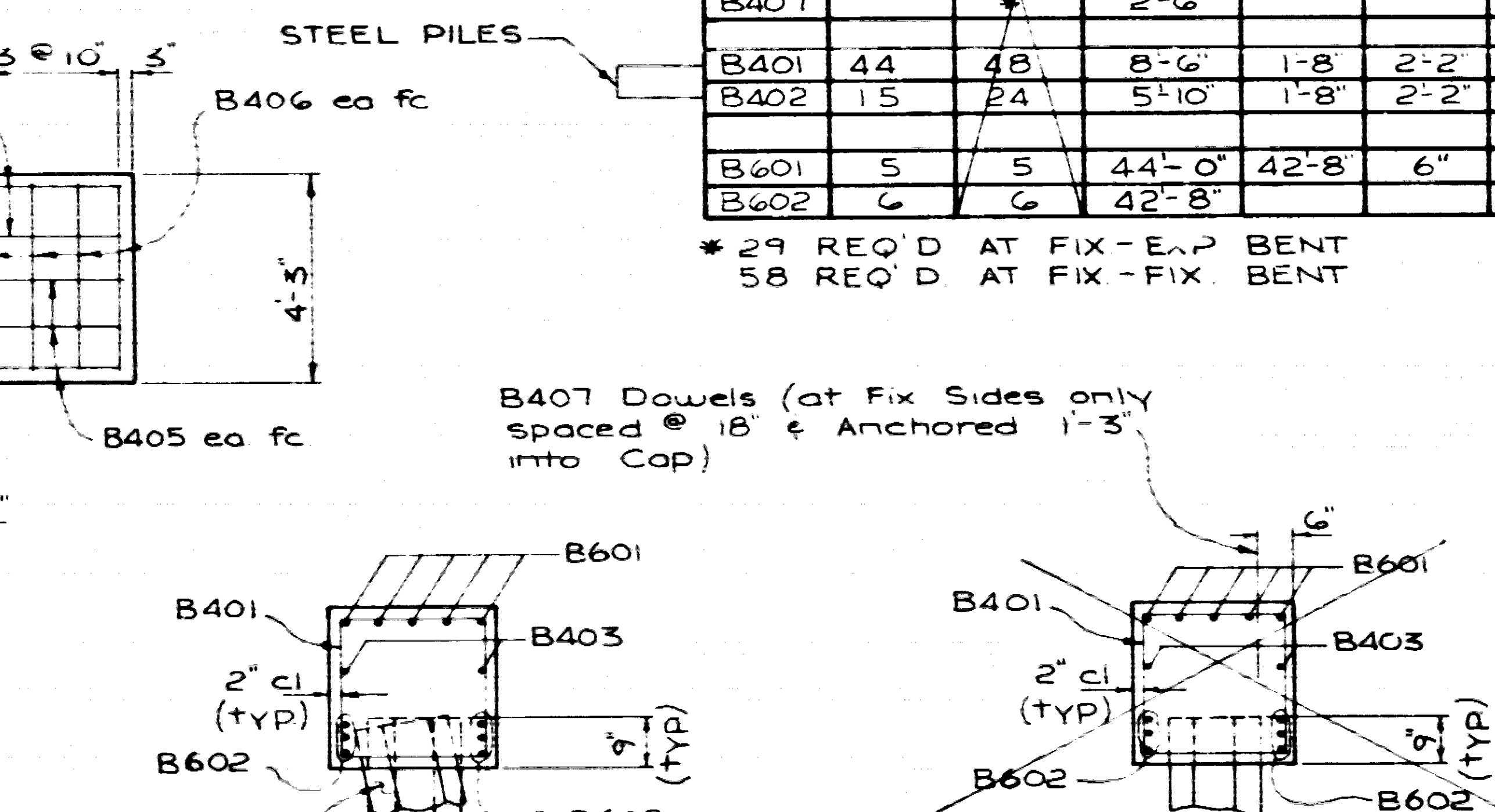
STEEL PILES



STEEL PILES



~~STEEL PILES~~



SECTION C-C
Scale: 1/2" = 1'-0"

ALL CONCRETE SHALL BE CLASS "5" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH $F_c = 3500$ PSI. CONCRETE SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

FOR PILING TYPE, SEE LAYOUT, DWG. NO. 26834

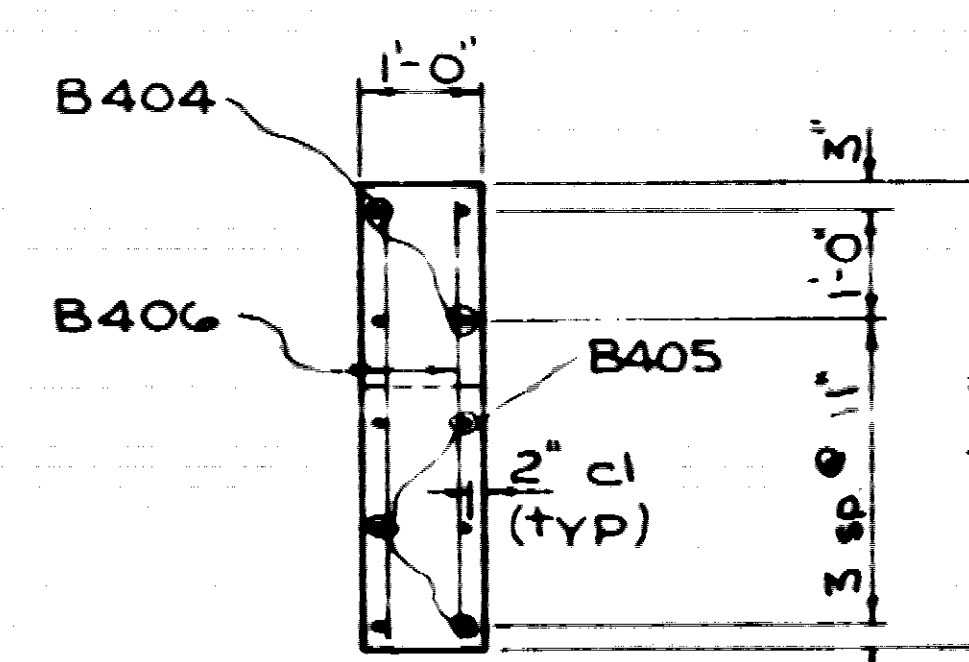
REINFORCING STEEL SHALL BE ASTM A615 OR A617, GRADE 60 (YIELD STRENGTH = 60,000 PSI).

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977 EDITION

LIVE LOAD: HS20

METHOD OF DESIGN: LOAD FACTOR

FOR ADDITIONAL NOTES, SEE LAYOUT.



Technical drawing of a stepped cylindrical part. The drawing shows a cross-section of a cylinder with a central hole. The outer diameter is 7 1/4 inches. The inner diameter is 6 1/4 inches. The total height of the part is 1 1/2 inches. The drawing is labeled with dimensions: 7 1/4", 6 1/4", 1 1/2", and 1/2".

KEYWAY DETAIL
Scale: 3" = 1'-0"

DETAILS OF STANDARD PILE BENTS
FOR 35'-0" R.C. SLAB SPANS
40'-0" CLEAR ROADWAY
CONCRETE PARAPET RAIL
ROUTE 59 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION

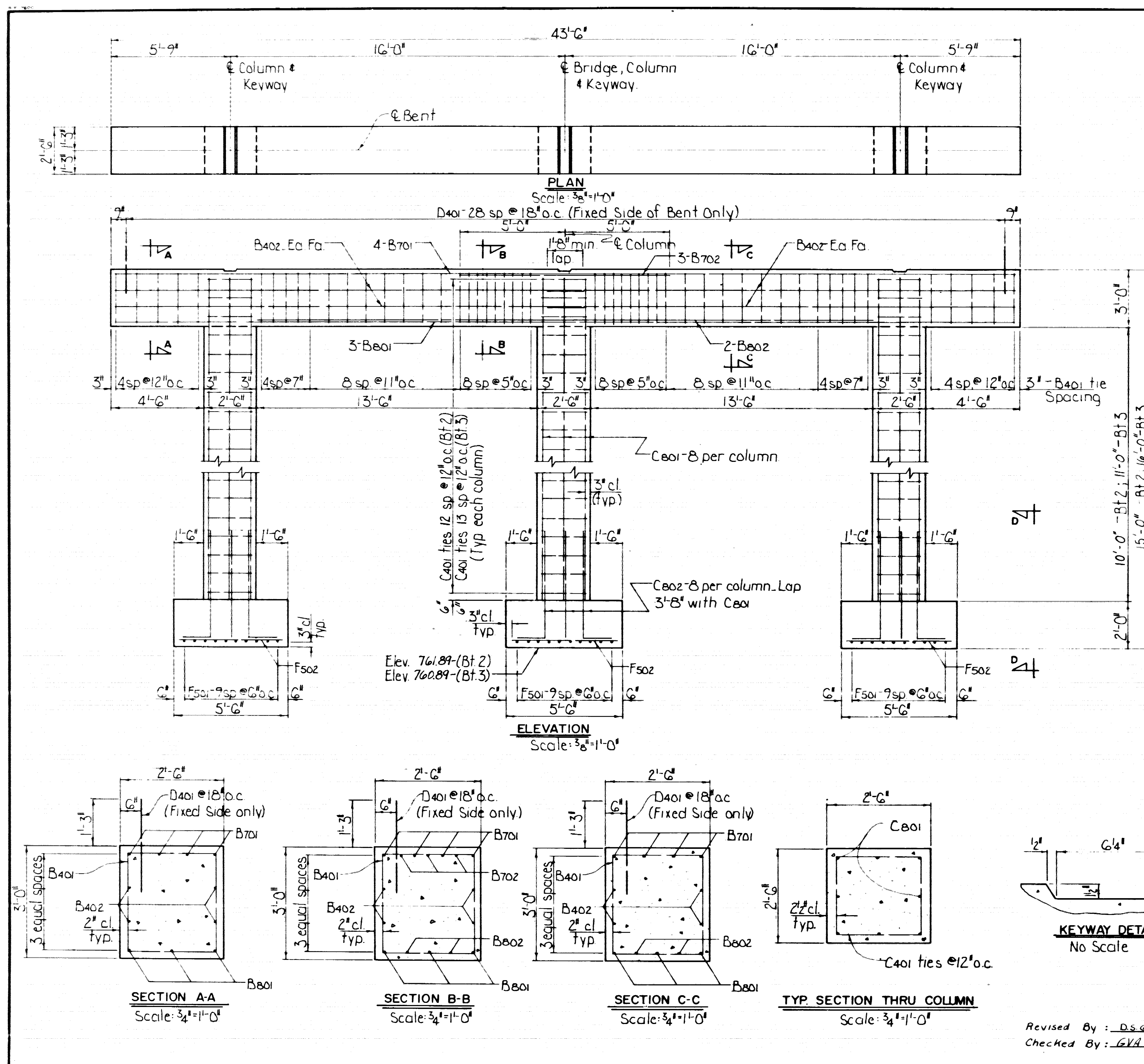
LITTLE ROCK, ARK.

DRAWN BY: TEB DATE: 7-21-78

CHECKED BY: AKW DATE: 7-24-78 SCALE: 3" = 1'-0" or as

DESIGNED BY: STC DATE: _____ Noted

BRIDGE NO. 6085 DRAWING NO. 26835



DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION

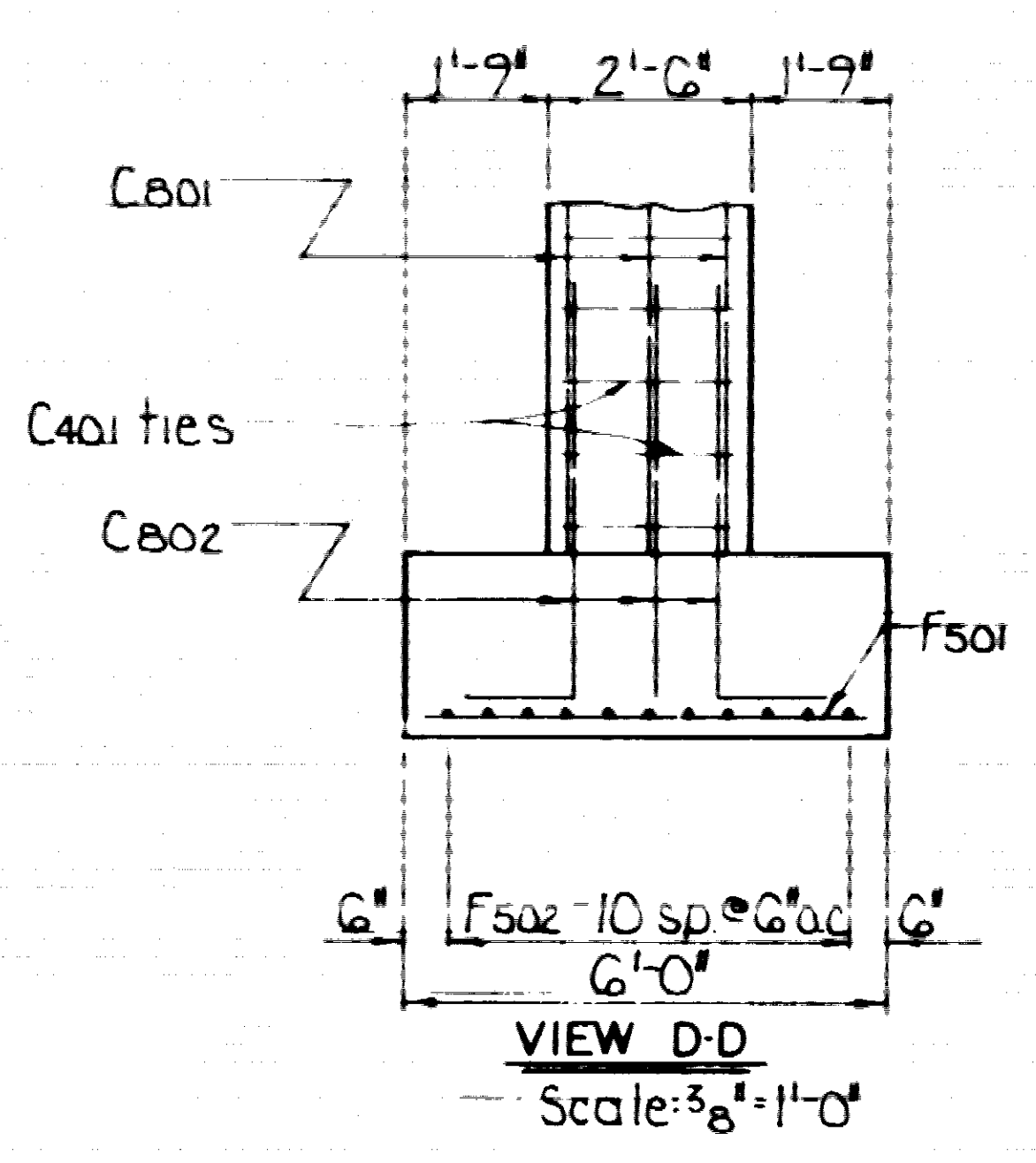
FOR ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	ARK.			
JOB NO.	F228		26	41

6085 INT. BENTS 26836

BAR LIST-PER BENT				BENDING DIAGRAMS	
MARK	NO. REQ'D	LENGTH	P. D.		
B401	52	10'-6"	2"		
B402	8	22'-5"	Str.		
B701	4	43'-2"	Str.		
B702	3	10'-0"	Str.		
B801	3	43'-2"	Str.		
B802	2	29'-6"	Str.		
C401	*	9'-2"	2"		
C801	24	**	Str.		
C802	24	6'-6"	6"		
D401	***	2'-6"	Str.		
F501	30	5'-6"	Str.		
F502	33	5'-0"	Str.		

Dimensions are out to out of bars.

* 39 for Bt 2 - 42 for Bt 3
 ** 12'-8" for Bt 2 - 13'-8" for Bt 3
 *** 29 for Bt 2 - 58 for Bt 3



GENERAL NOTES

CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH, 11,000 PSI. ALL CONCRETE SHALL BE POURED IN THE DRY UNLESS OTHERWISE NOTED. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4 INCH.

REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR A617, GRADE 60 (YIELD STRENGTH = 60,000 PSI)

CONSTRUCTION SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978 AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977 EDITION WITH INTERIMS.

DESIGN LIVE LOAD: HS20

METHOD OF DESIGN: LOAD FACTOR

DETAILS OF INT. BENTS
WEBBER CREEK
CRAWFORD COUNTY
ROUTE 59 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

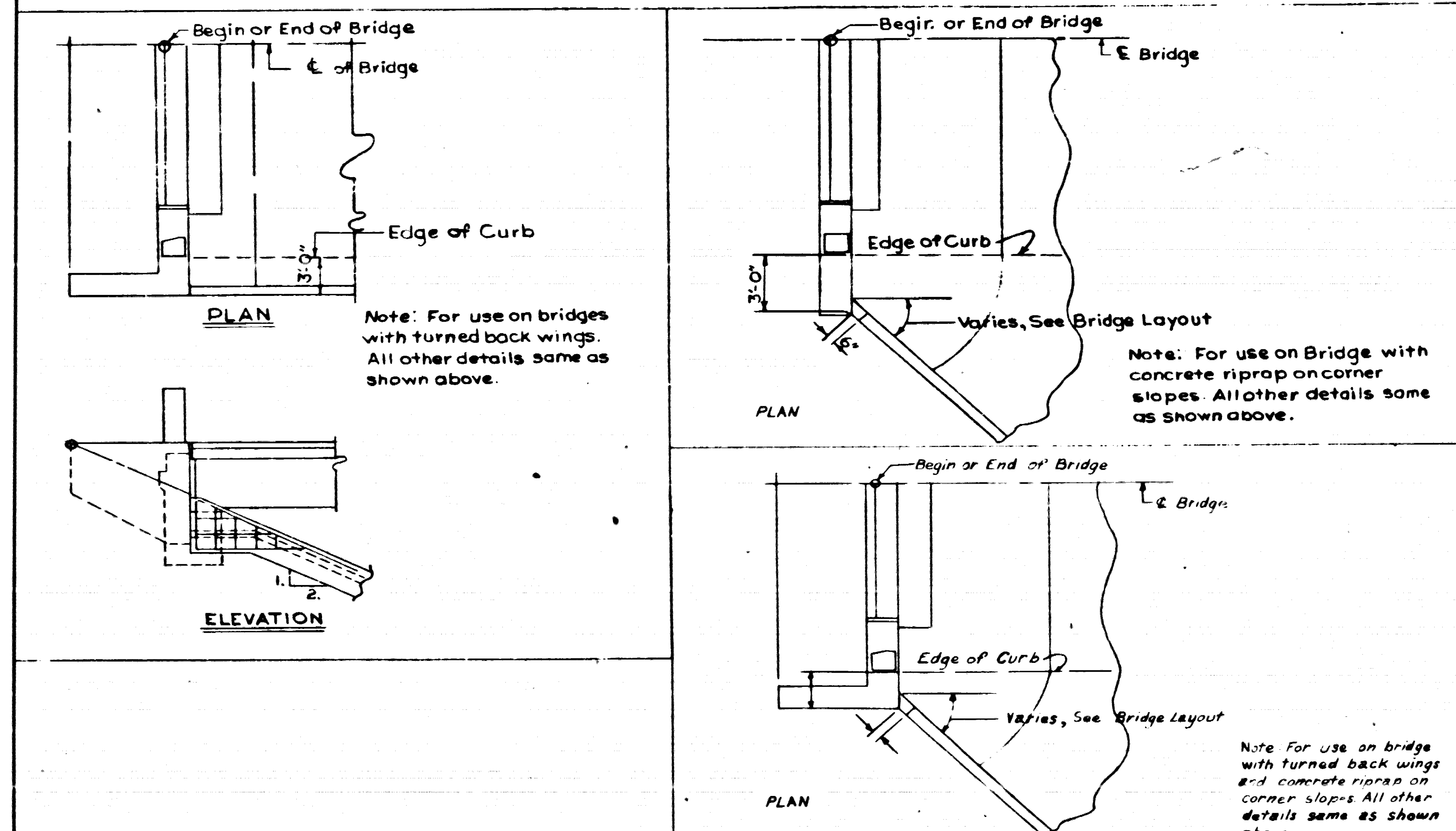
DESIGNED BY: KDH DATE: OCT 81
 CHECKED BY: KMG DATE: OCT 81
 DESIGNED BY: KDH DATE: OCT 81

BRIDGE NO. 6085 DRAWING NO. 26836

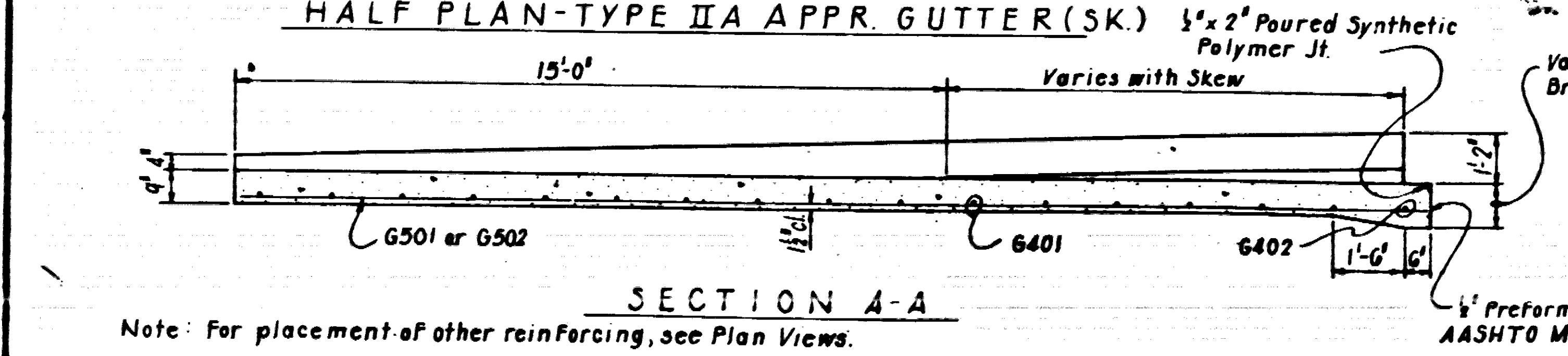
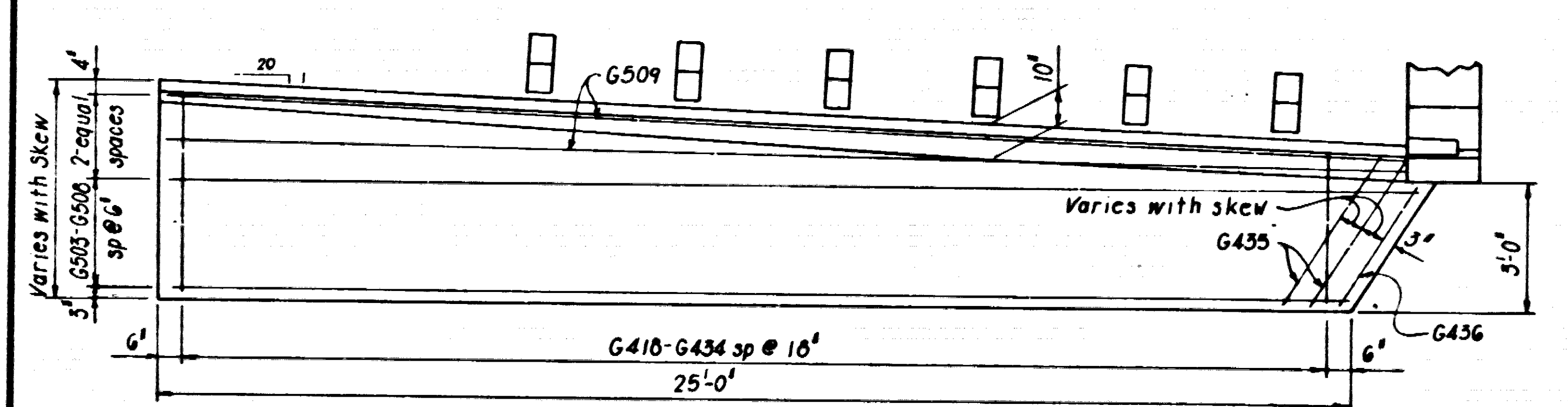
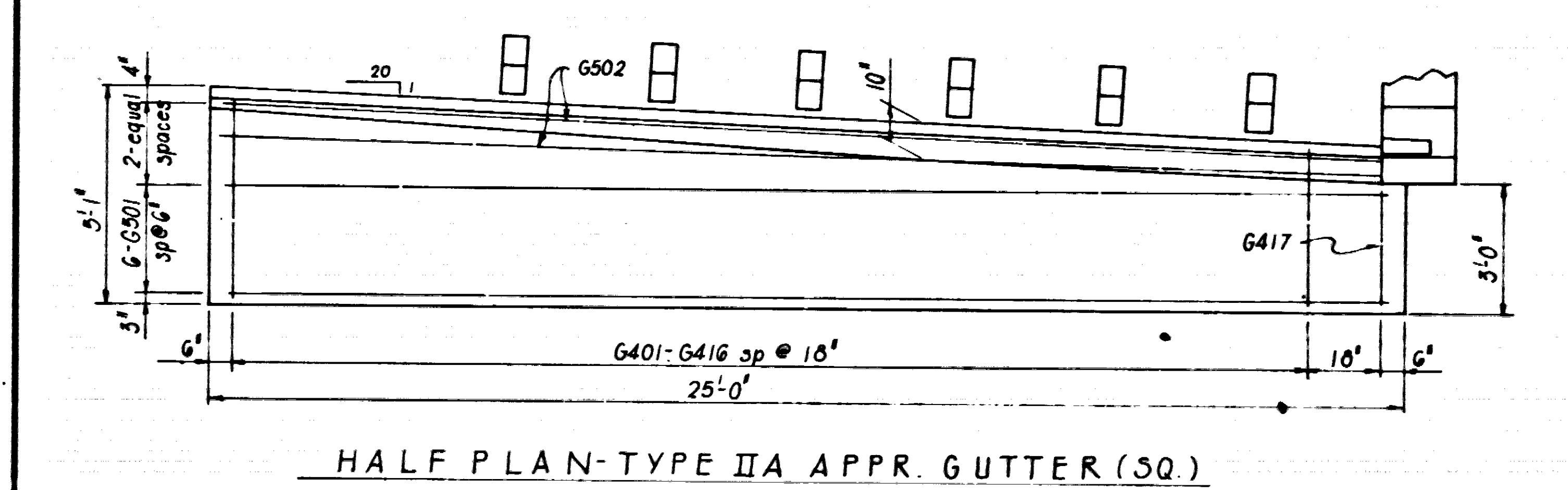
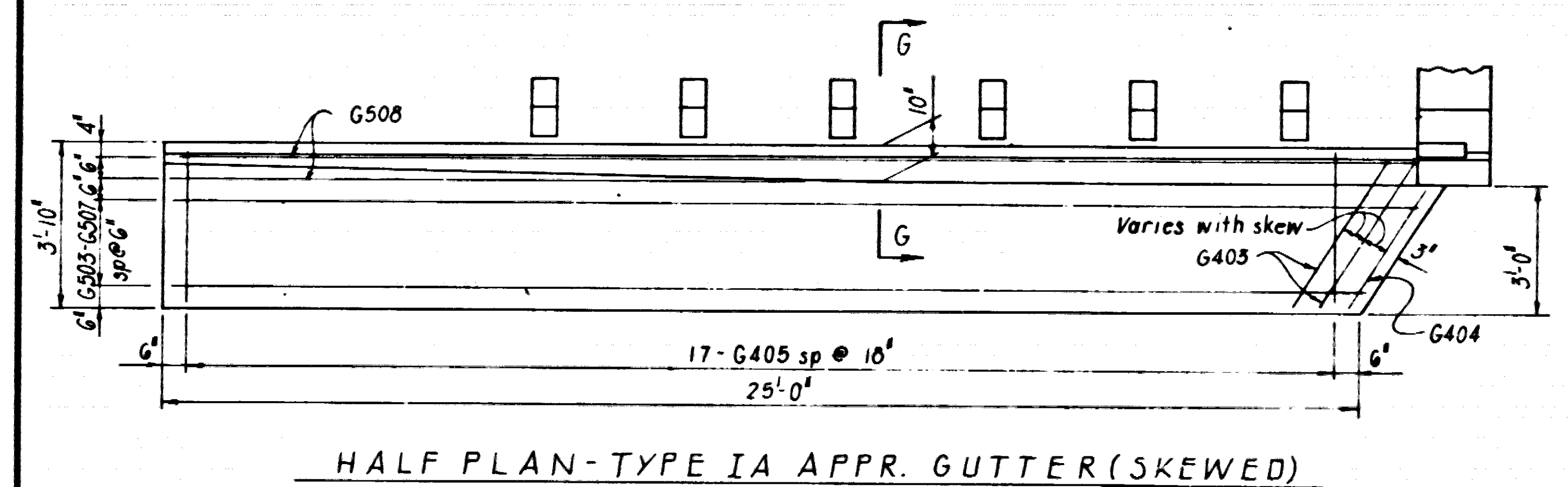
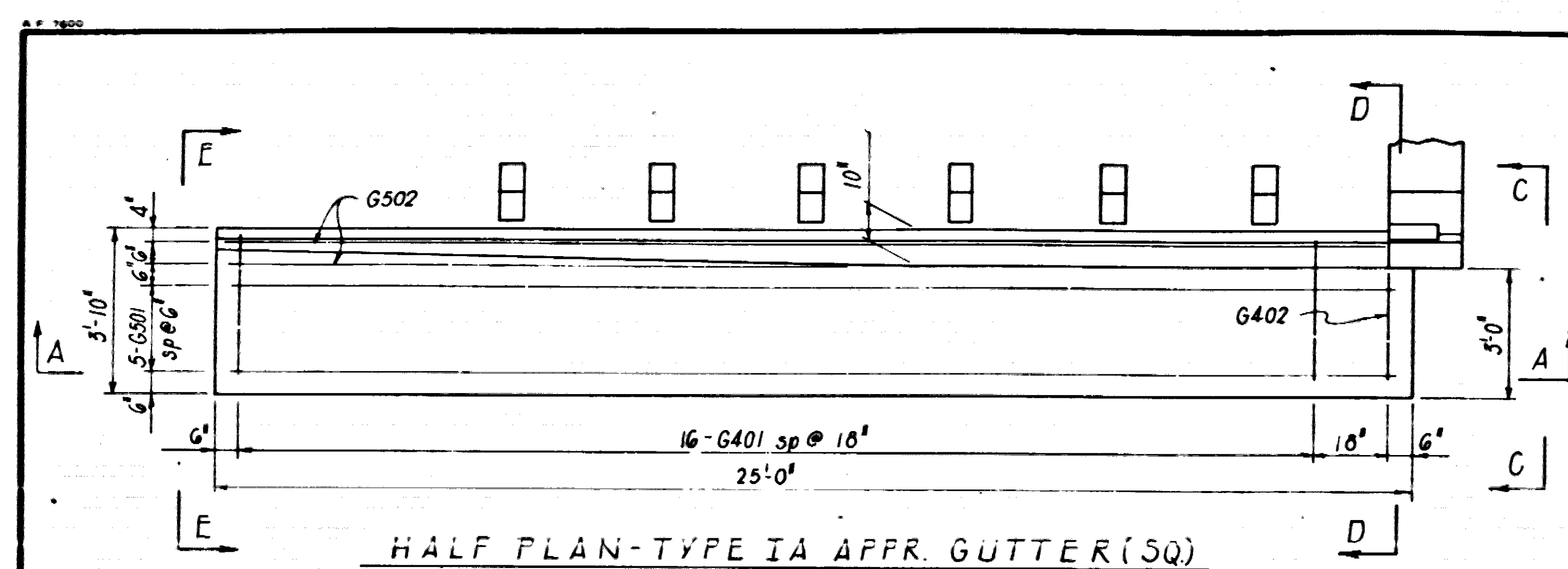
Revised By: D.S.G. 8/26/84
 Checked By: G.V.D. 9-18-84

Handwritten signature
 BRIDGE ENGINEER

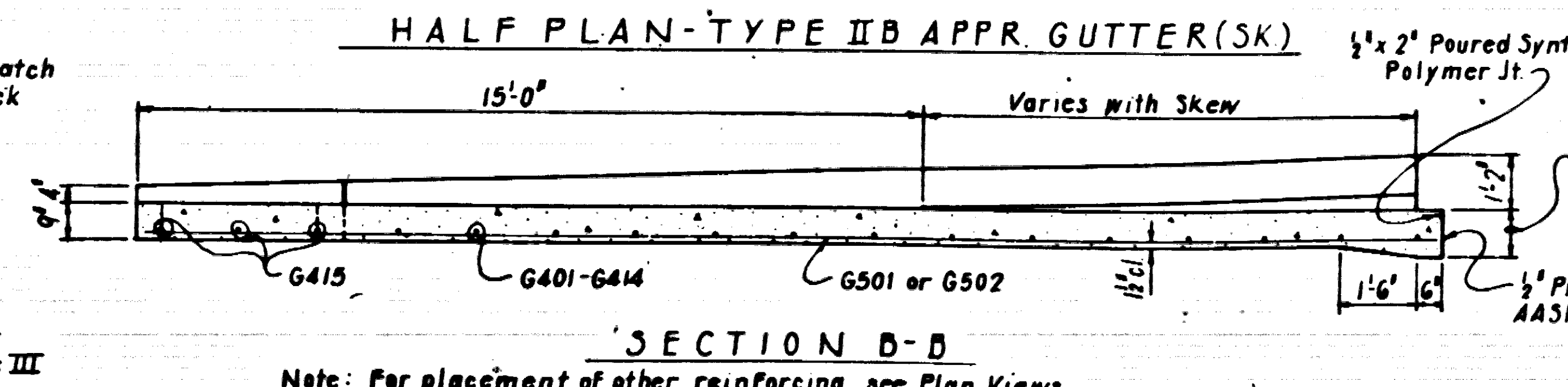
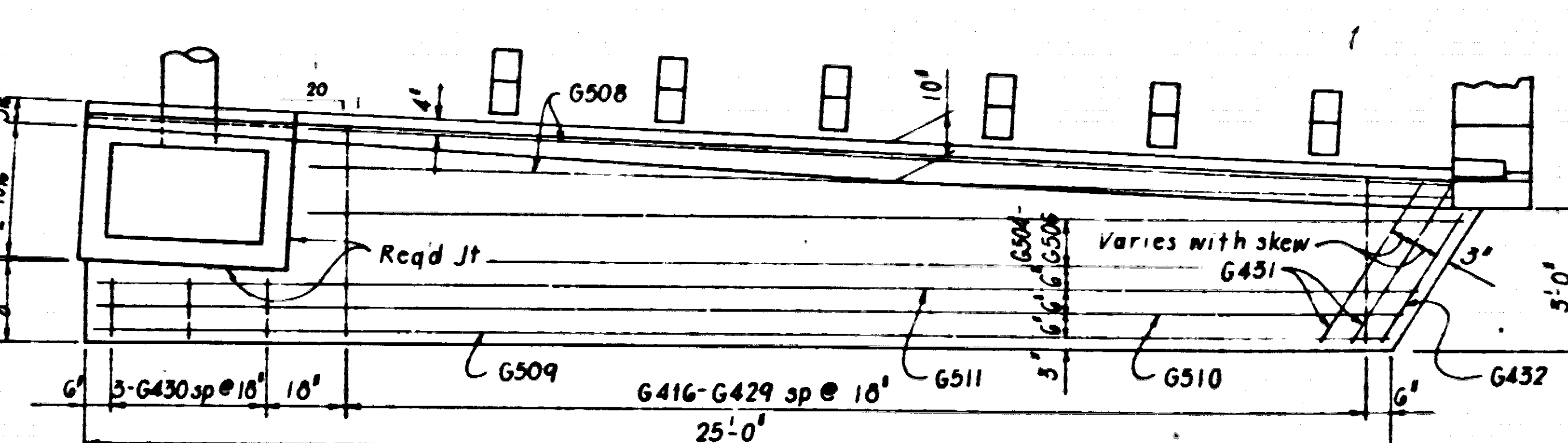
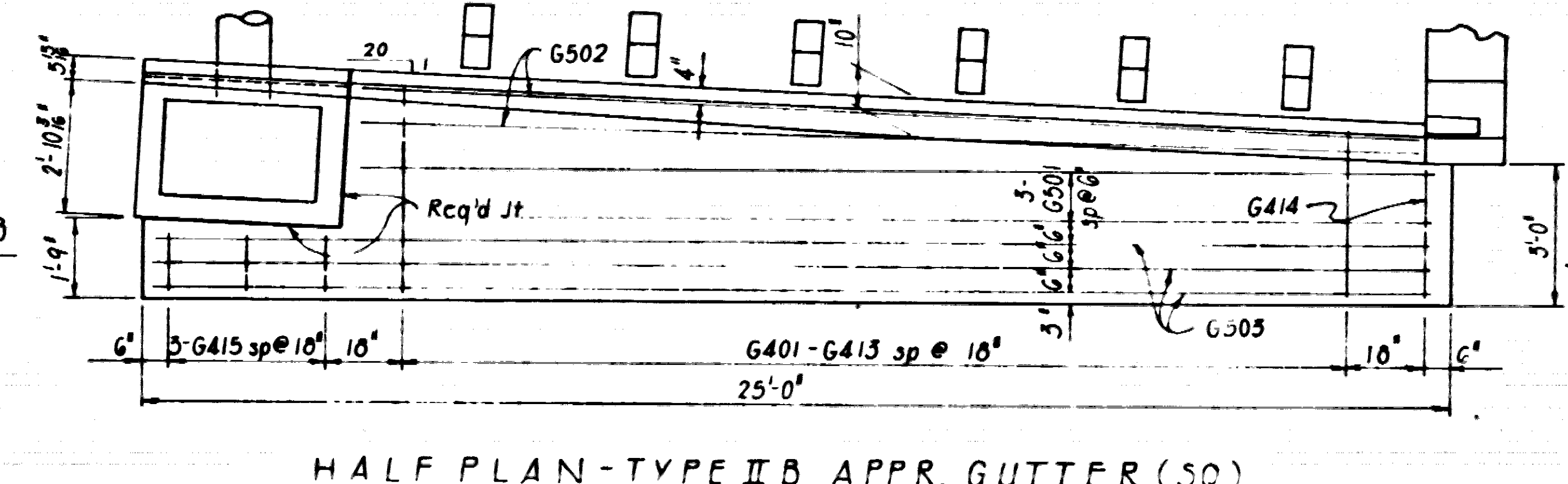
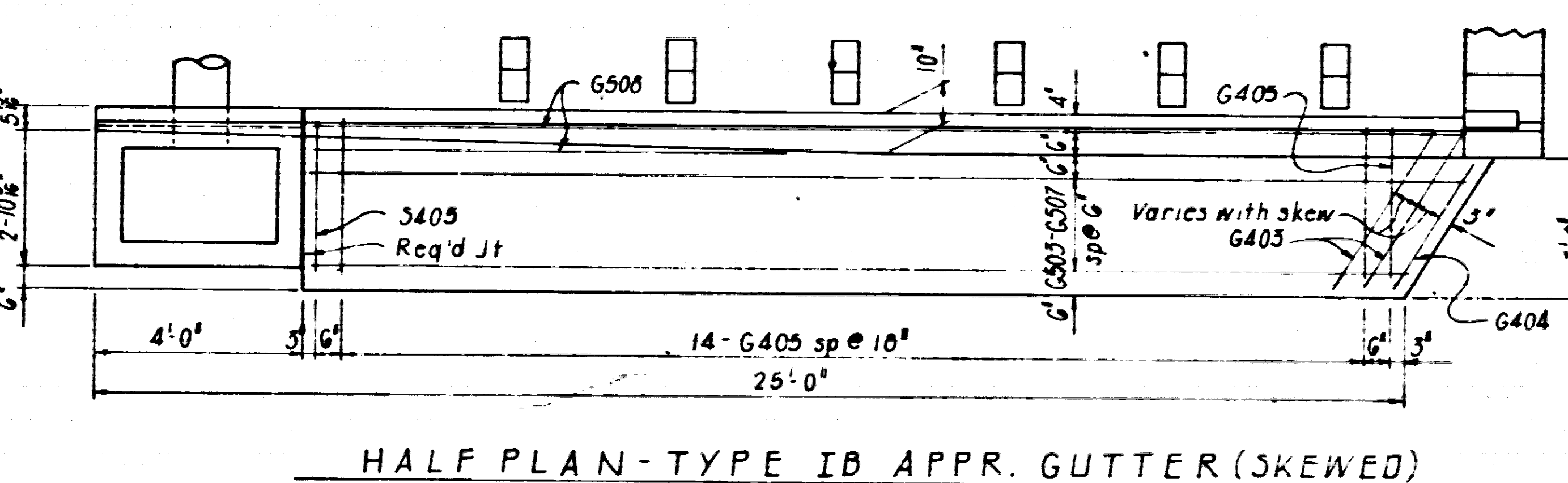
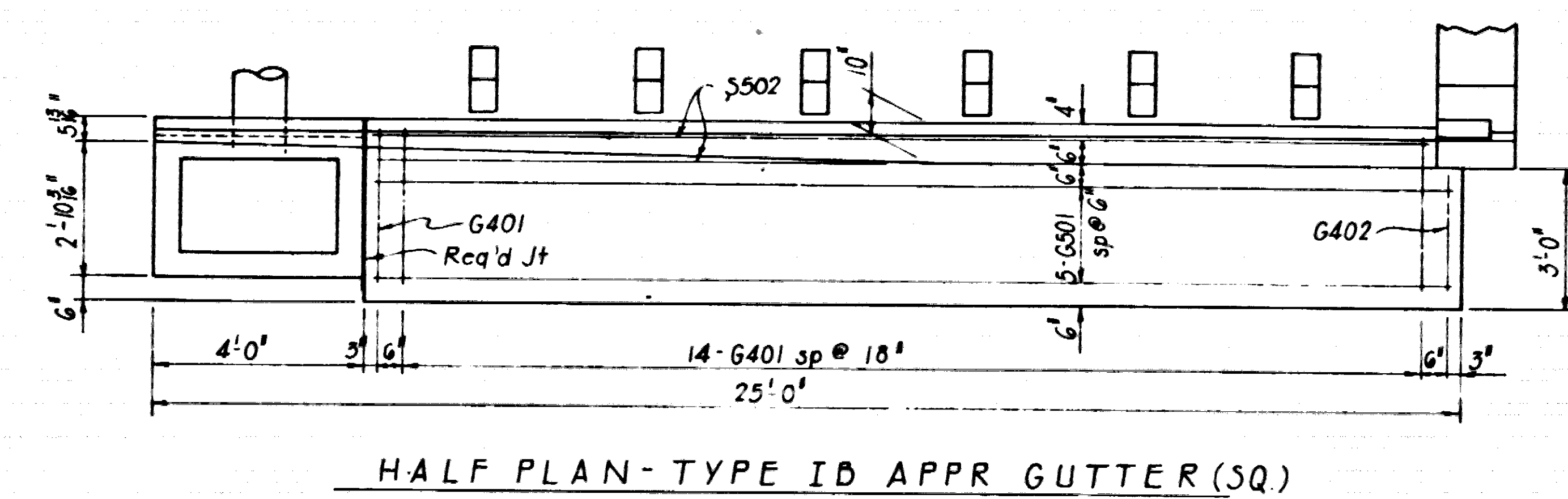




DRAWN BY: LL DATE: 6-6-68
 TRACED BY: _____ DATE: _____
 CHECKED: FMH DATE: 6-21-68
 BRIDGE NO. _____ DRAWING NO. 14995A



Note: For placement of other reinforcing, see Plan Views.



Note: For placement of other reinforcing, see Plan Views.

REVISED	DATE	REVISED	DATE	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		21	
				Sheet 1 APPR. GUT 1898 U-1				

ALL BAR LIST-ONE GUTTER

TYPE IA GUTTER

Mark	No. Req'd	Length	Skewed or Sq
G401	16	3'-6"	Sq
G402	1	2'-8"	Sq
G403	2	*	Skew
G404	1	*	Skew
G405	17	3'-6"	Skew
G501	5	24'-0"	Sq
G502	2	24'-2"	Sq
G503 to G507	1ea	*	Skew
G508	2	*	Skew

TYPE IB GUTTER

Mark	No. Req'd	Length	Skewed or Sq
G401	14	3'-6"	Sq
G402	1	2'-8"	Sq
G403	2	*	Skew
G404	1	*	Skew
G405	16	3'-6"	Skew
G501	5	20'-0"	Sq
G502	2	20'-2"	Sq
G503 to G507	1ea	*	Skew
G508	2	*	Skew

TYPE IIA GUTTER

Mark	No. Req'd	Length	Skewed or Sq
G401 to G416	1ea	5'-7"	Sq
G417	1	2'-8"	Sq
G418 to G434	1ea	3'-6"	Skew
G435	2	*	Skew
G436	1	*	Skew
G501	6	24'-0"	Sq
G502	2	24'-2"	Sq
G503 to G509	1ea	*	Skew

TYPE IIB GUTTER

Mark	No. Req'd	Length	Skewed or Sq
G401 to G415	1ea	3'-7"	Sq
G416	1	2'-8"	Sq
G418 to G429	1ea	3'-6"	Skew
G430	3	1'-2"	Skew
G431	2	*	Skew
G432	1	*	Skew
G501	3	20'-0"	Sq
G502	2	20'-2"	Sq
G503	3	24'-0"	Sq
G504 to G506	1ea	*	Skew
G508	2	*	Skew
G509	1	*	Skew
G510	1	*	Skew
G511	1	*	Skew

* Find Length according to skew angle

TYPE IC, IC BRIDGE APPROACH

Type IC Approach consist of one half of Type IA and one half of Type IB. Type IC Approach consist of one half of Type IIA and one half of Type IIB. Use whenever called for on the bridge layout.

TABLE OF QUANTITIES (ONE GUTTER)

Type	Concrete	Reinf Steel
IA	3.03 yd ³	216 lb.
IB	4.97 yd ³	411 lb.
IIA	3.46 yd ³	251 lb.
IIB	5.42 yd ³	450 lb.

Note: All Quantities are Approx.

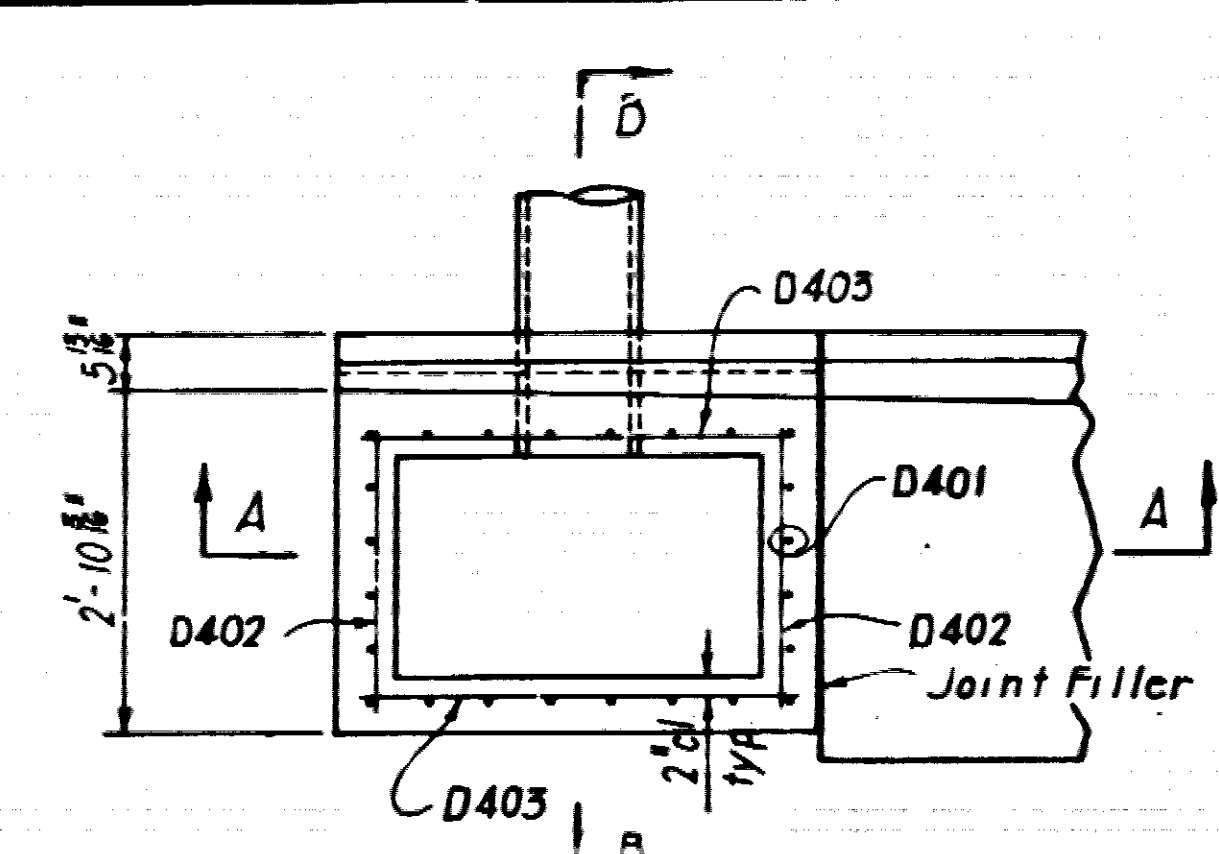
Note: For Details of Guard Rail Fence, see Std. Drawing GR-0A
For Details of Guard Rail Connection, see Sheet 2-Dwg. 1898 U
For Details of Drop Inlet & Spillway, see Sheet 2-Dwg. 1898 U

SHEET 1 OF 2

DETAILS OF STANDARD TYPE IA, IB, IIA, IIB, IC & IIC APPROACH GUTTERS

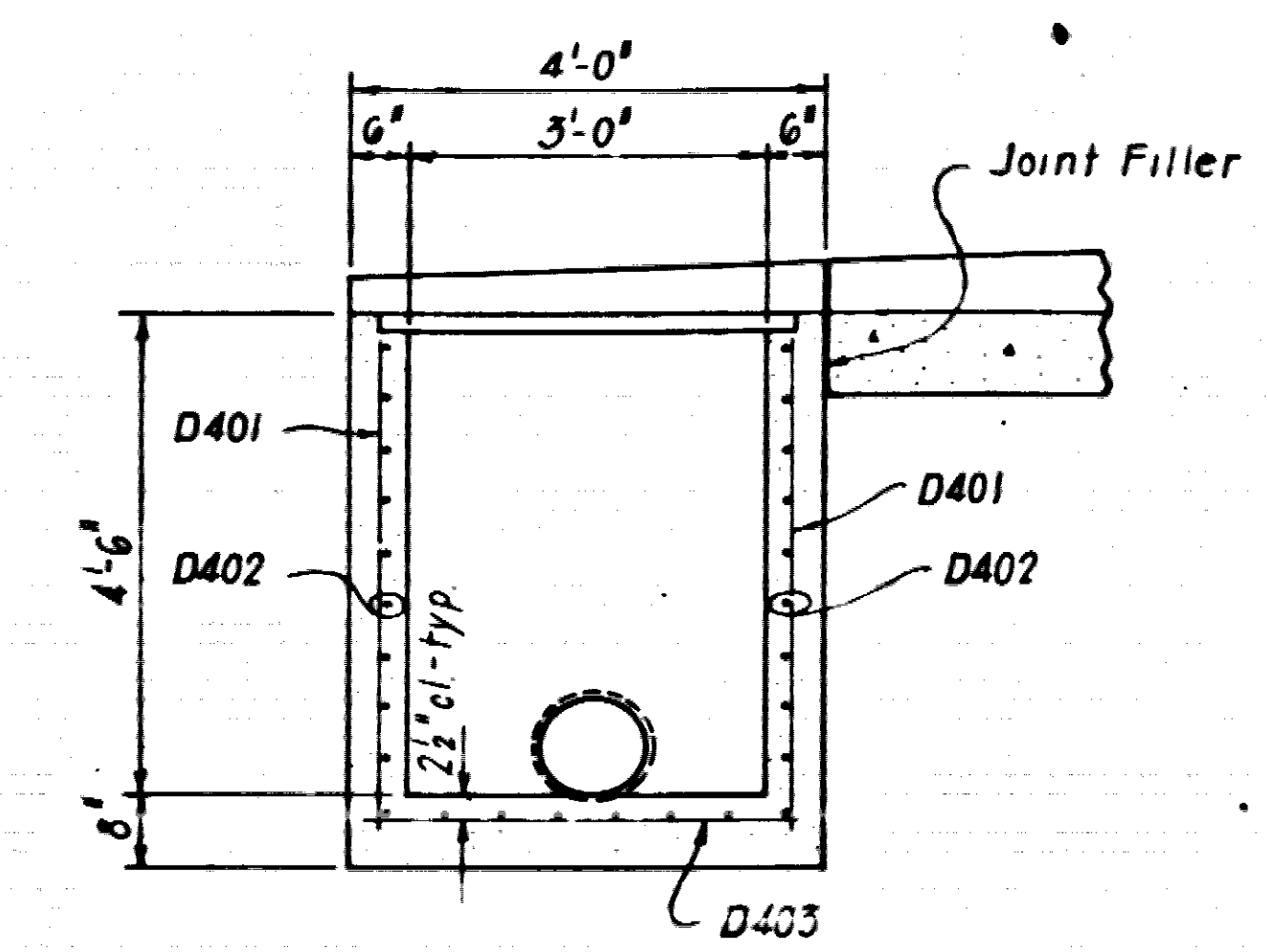
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.
L.M. DATE: 6-24-02
DESIGNED BY: DFL DATE: 6-24-02
BRIDGE NO. DRAWING NO. 1898 U-1

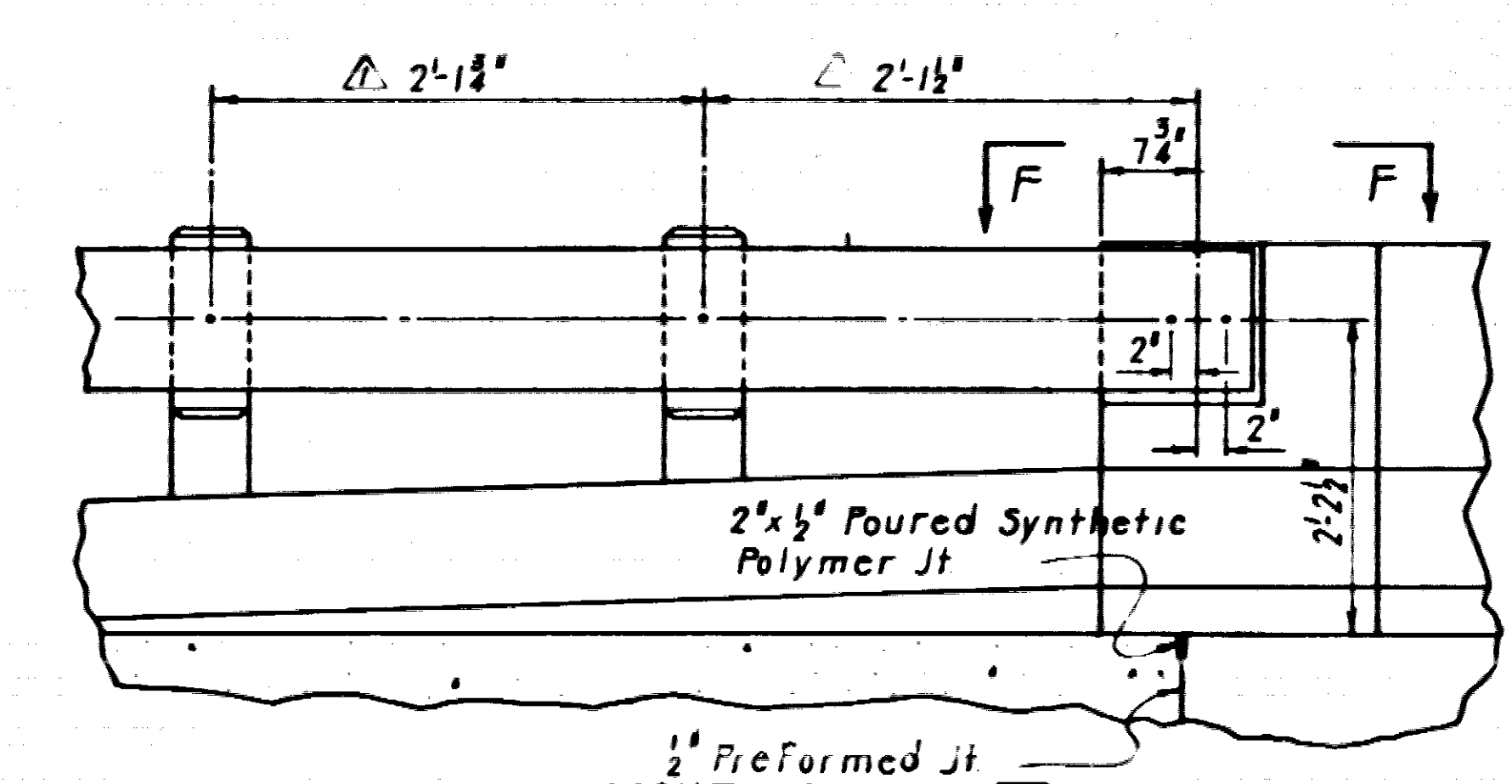


Note: Joint Filler around Drop Inlet to be non extruding preformed Joint Filler (AASHTO M153 Type III).

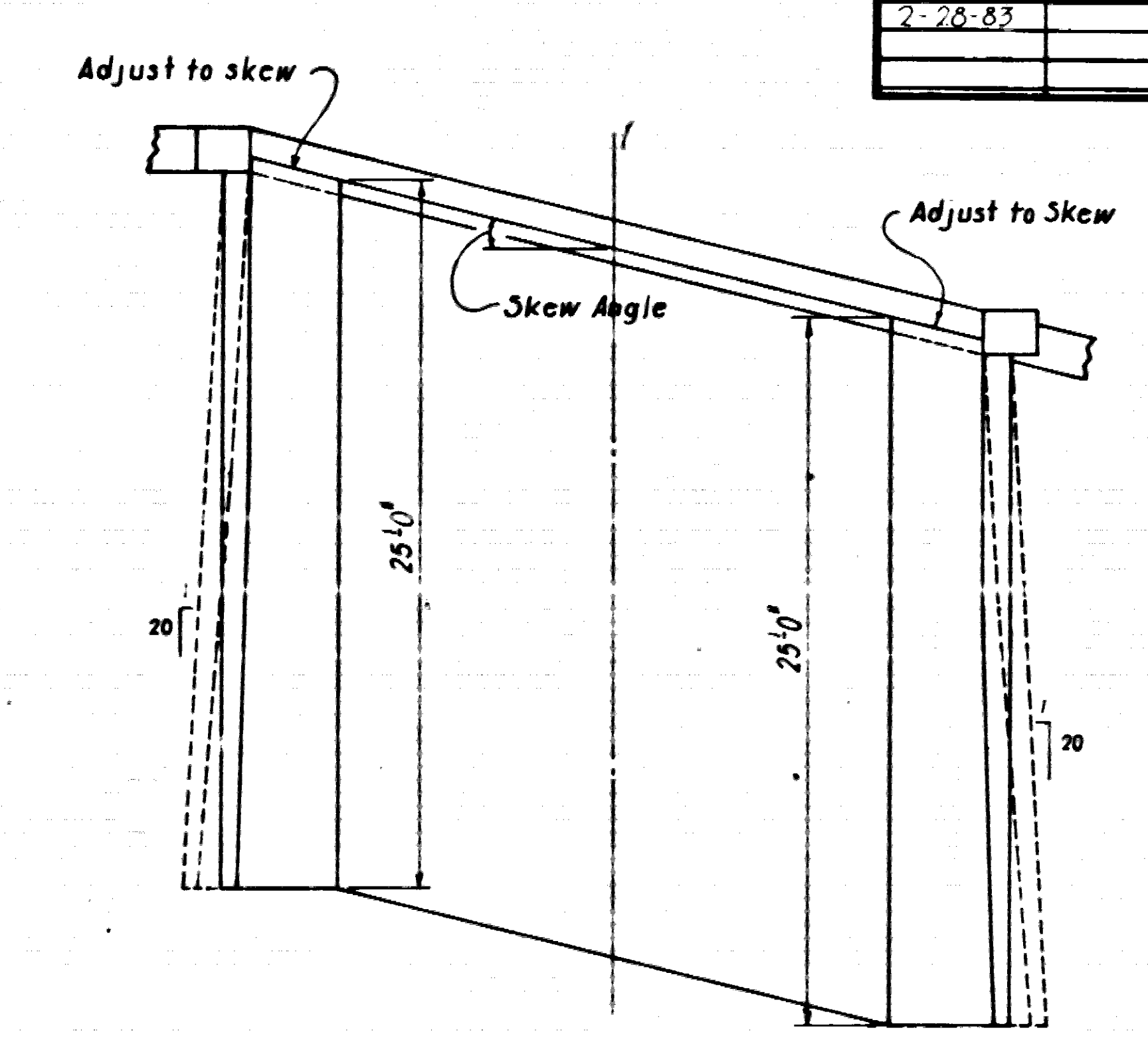
PLAN OF DROP INLET



SECTION A-A

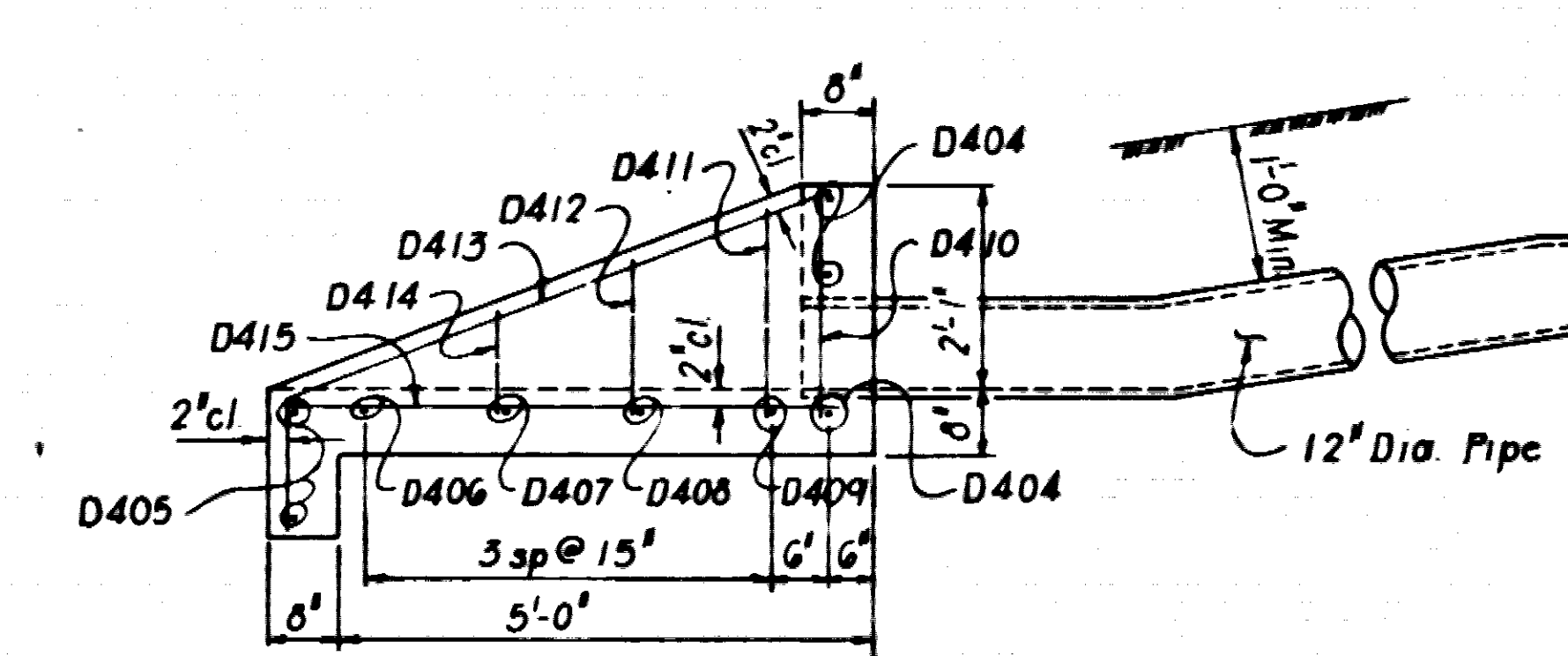


TYPICAL RAIL CONNECTION

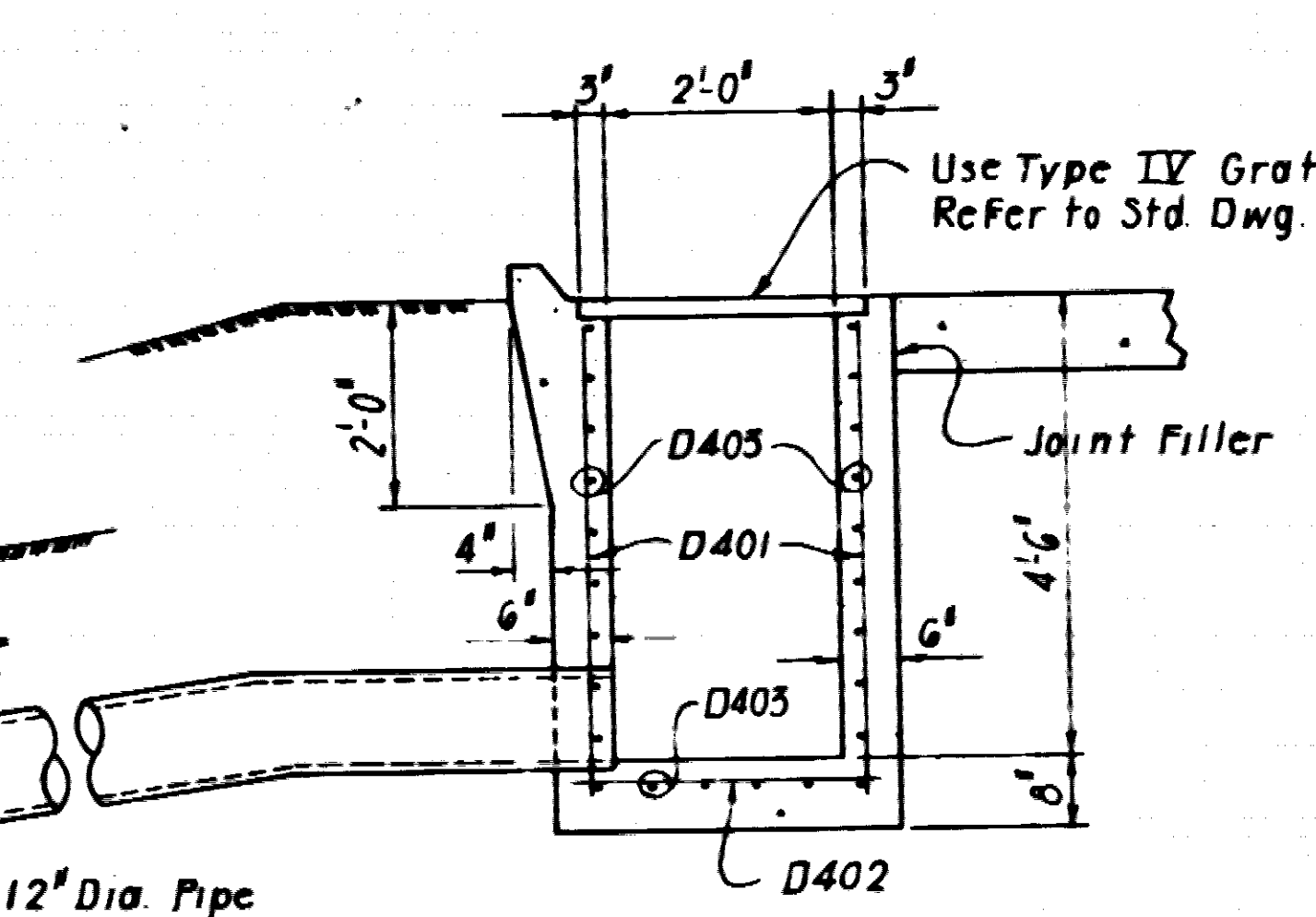


SKETCH SHOWING APPROACH FOR SKEWED BRIDGE

Note: Payment For Drop Inlet & Spillway to be included in Unit Price Bid For Type IB, IB, IC, & IIC Approach Gutters.

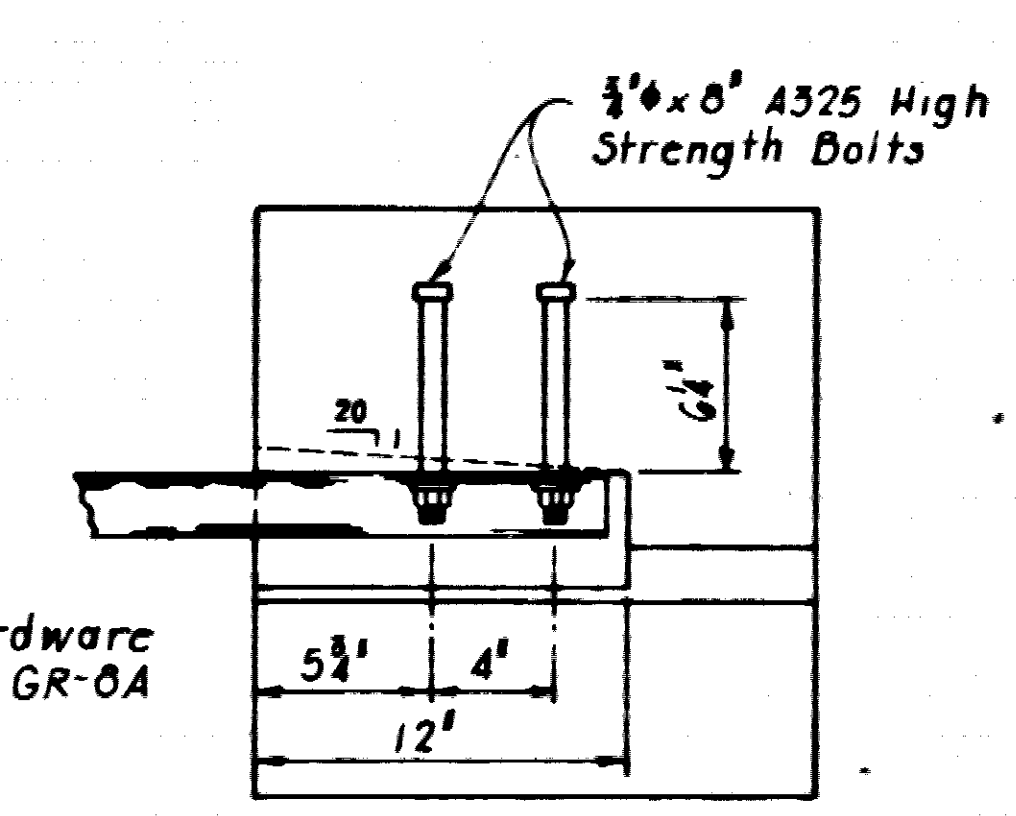


SIDE ELEVATION SPILLWAY OUTLET



SECTION B-B

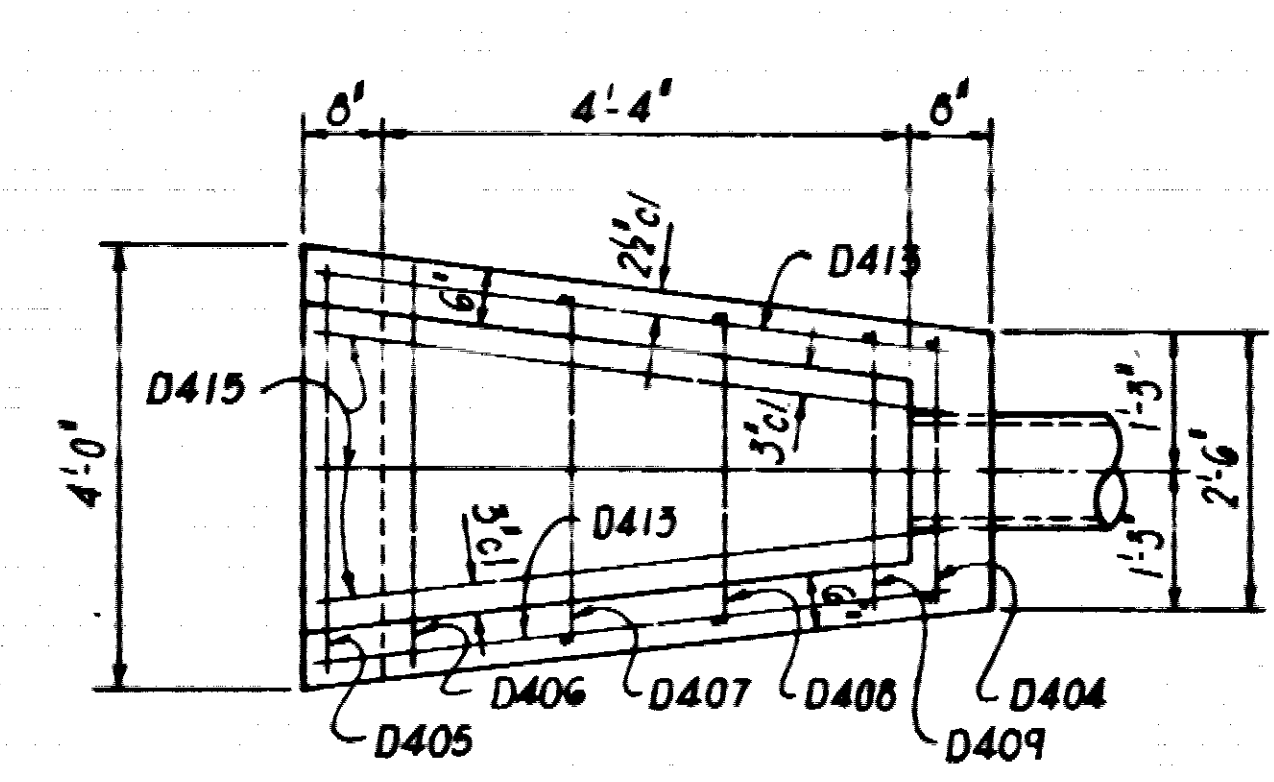
Note: For Details of Hardware See Dwg. GR-8 & GR-8A



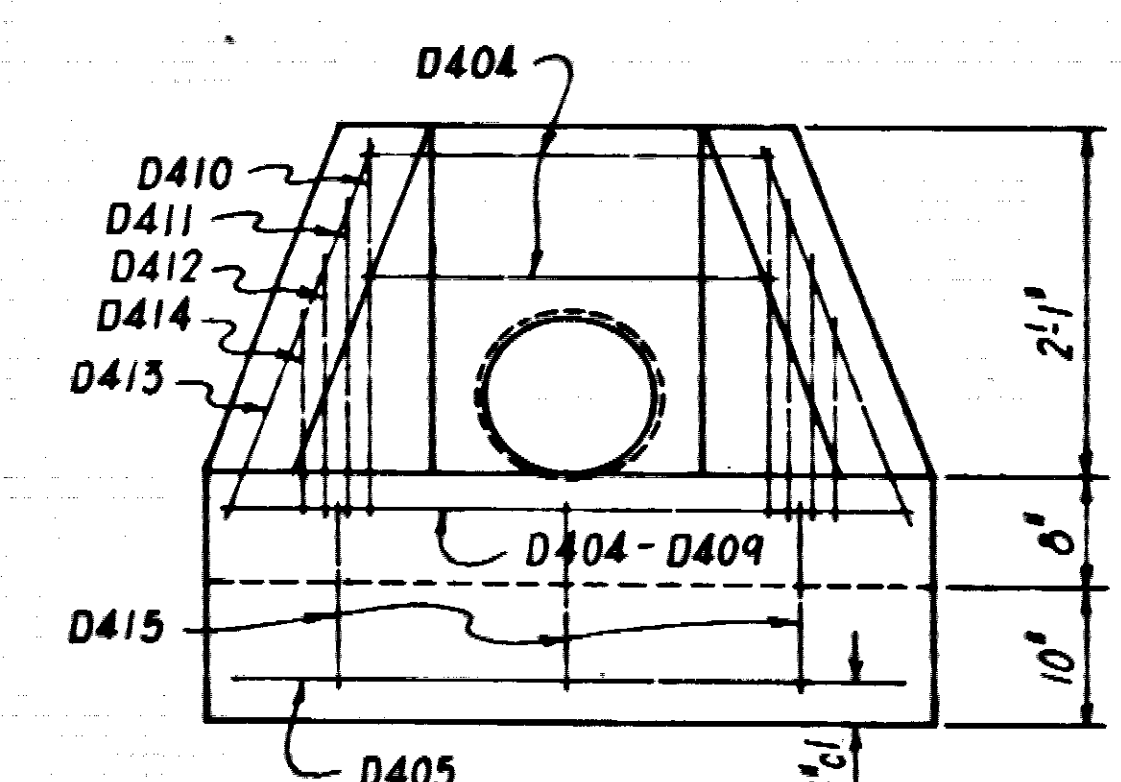
VIEW F-F

BAR LIST

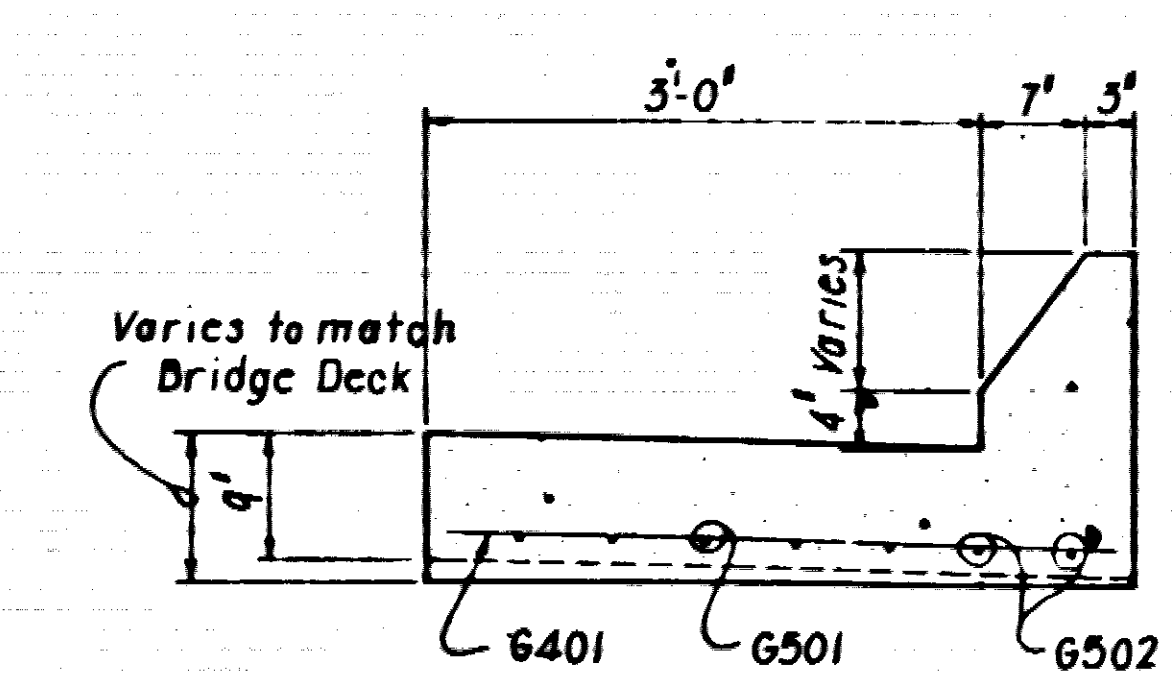
Mark	No. Req'd	Length	Bending Diagram
D401	24	4'-6"	
D402	26	2'-8"	
D403	24	3'-8"	
D404	3	2'-2"	
D405	2	3'-8"	
D406	1	3'-5"	
D407	1	3'-1"	
D408	1	2'-9"	
D409	1	2'-5"	
D410	2	2'-5"	
D411	2	2'-2"	
D412	2	1'-9"	
D413	2	5'-6"	
D414	2	1'-2"	
D415	3	6'-5"	



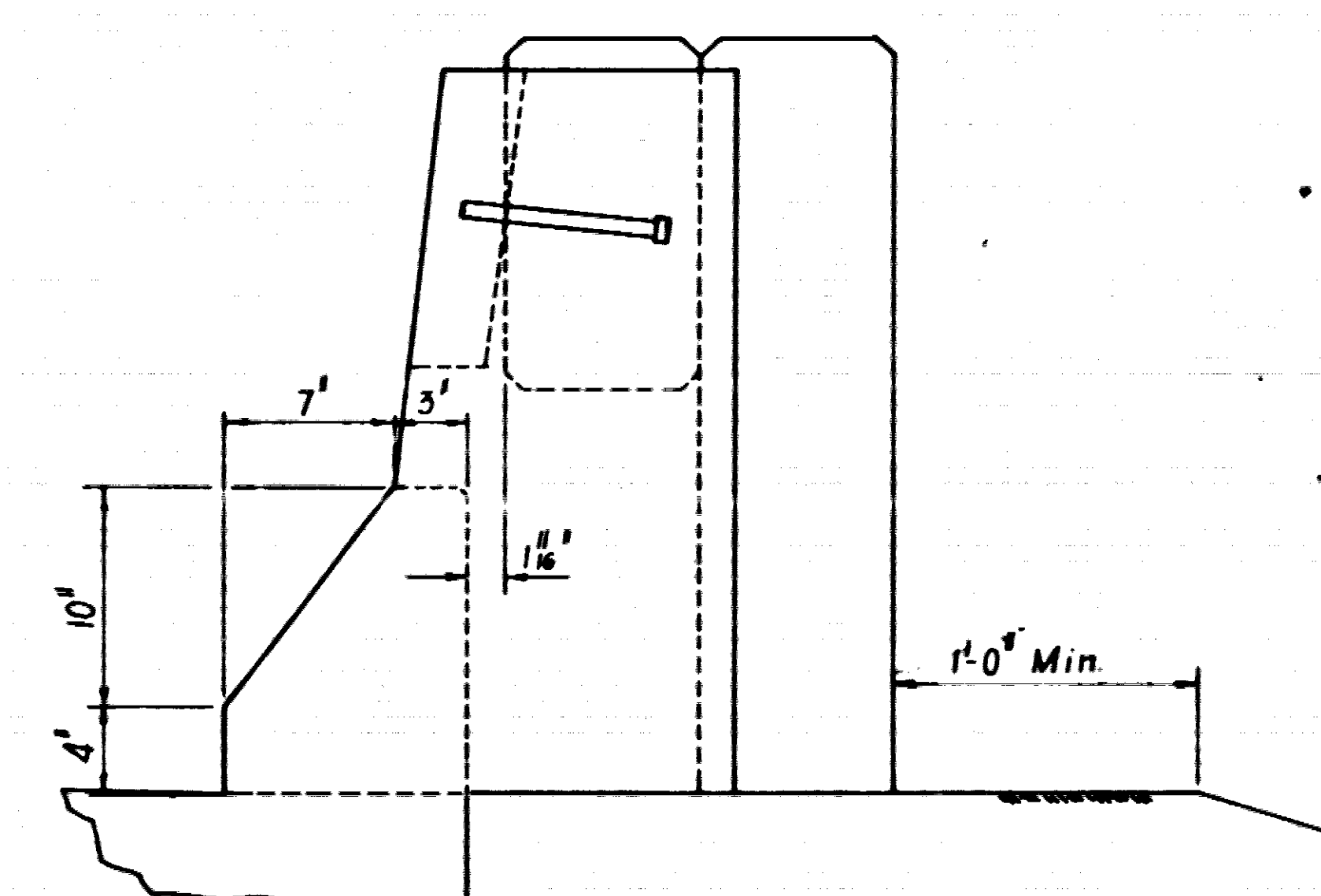
PLAN



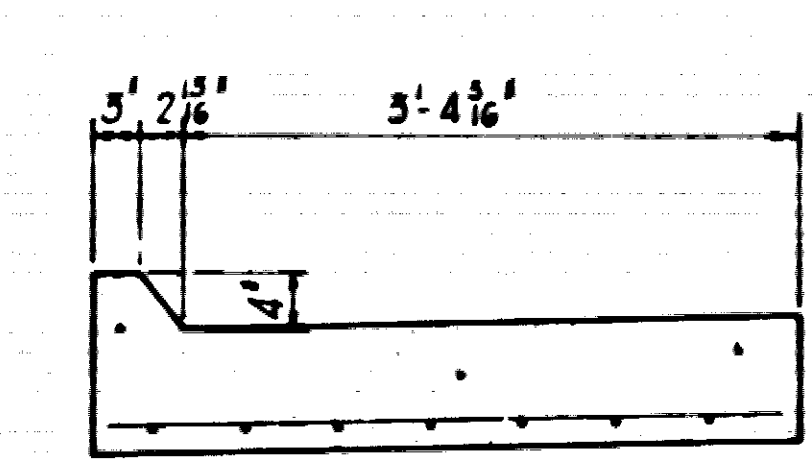
FRONT ELEVATION



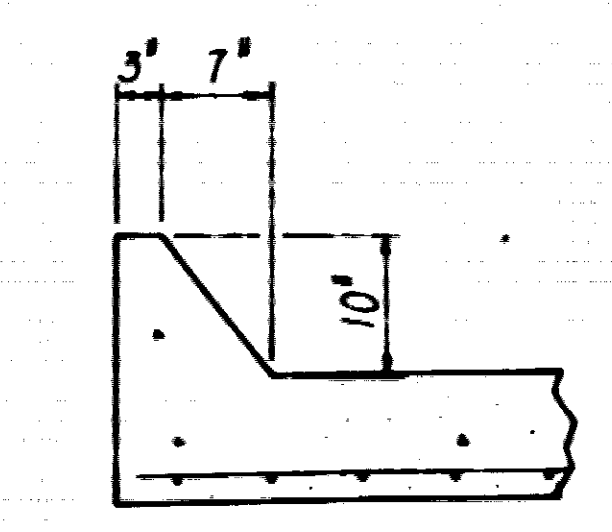
SECTION D-D



VIEW C-C



VIEW E-E



SECTION G-G

Revised Post Spacing, 2-28-83 L M

DATE	DATE	DATE	DATE	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2-28-83				6	ARK.		20	

Sheet 2 GUT DTL3 1898 U-2

GENERAL NOTES
CONCRETE SHALL BE CLASS S OR CLASS S(AE) OR MIXTURE USED FOR PORTLAND CEMENT CONCRETE PAVEMENT.
REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615 OR A617.
APPROACH GUTTERS FOR STRUCTURES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH BID FOR "APPROACH GUTTERS" OF THE TYPE DESIGNATED, WHICH PRICE SHALL BE FULL COMPENSATION FOR FURNISHING MATERIALS, INCLUDING CONCRETE, REINFORCING STEEL AND JOINT FILLER, PLACEMENT AND COMPACTION OF BASE MATERIAL FOR FORMS, MIXING, PLACING, CURING AND FINISHING, FOR EXCAVATION AND BACKFILL, AND FOR ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.
CORRUGATED METAL PIPE FOR SPILLWAYS, COMPLETED AND ACCEPTED, WILL BE MEASURED AS PROVIDED IN SECTION 606 OF THE STANDARD SPECIFICATIONS, EDITION OF 1978.

SHEET 2 OF 2
DETAILS OF STANDARD
TYPE IA, IB, IIA, IIB, IC & IIC
APPROACH GUTTERS
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: L.M. DATE: 6-30-82
CHECKED BY: D.H.P. DATE: 7-14-82
DESIGNED BY: D.F.E. DATE: 6-30-82
BRIDGE NO. DRAWING NO. 1898 U-2