

SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 3945

BRIDGE NO.	CODE NO.	UNIT OF BRIDGE	ITEM NO.	801	SP # 802	SP # 802**	SP # 802	803	804	SP # 805***	SP # 807	SP # 809	812	SP # 816	SP # 816	SP # 816	205	SP JOB 3945	SP JOB 3945	SP JOB 3945	SP # 205
			ITEM	UNCLASSIFIED EXCAVATION FOR STRUCTURES BRIDGE	CLASS S CONCRETE	CLASS S(A.E.) CONCRETE	SEAL CONCRETE	BOILED LINSEED OIL	REINFORCING STEEL (GRADE 60)	PRECAST CONCRETE PILING (16" OCT. OR 14" SQ.)	STRUCTURAL STEEL IN BEAM SPANS (A588)	PREFORMED JOINT SEALER	BRIDGE NAME PLATES (TYPE C)	FOUNDATION PROTECTION RIPRAP	DUMPED RIPRAP	FILTER BLANKET	REMOVAL OF EXISTING BRIDGE STRUCTURES	DRILLED SHAFTS (48" DI. 4.)	PERMANENT STEEL CASING (48" O.D. x 1/2" MIN.)	REMODELING EXISTING BENTS AND SUPERSTRUCTURE	REMOVAL OF TEMPORARY DETOUR BRIDGE STRUCTURES
			UNIT	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	LB.	LIN. FT.	LB.	LIN. FT.	EACH	CU. YD.	CU. YD.	SQ. YD.	LUMP SUM	LIN. FT.	LIN. FT.	LUMP SUM	LUMP SUM
ALT. 1 OR 2	2928W	X020 BRUSHY CREEK	END BENTS 1 & 5		8.20				938	140*						172	345				
			INT. BENTS 2, 3 & 4		8.80				1112	210*											
			END SPANS 1 & 4			44.30			6550				1								
			INT. SPANS 2 & 3			44.00			6480												
			TOTALS FOR BR. NO. 2928W		17.00	88.30			15,080	350*			1		172	345				1.0	
ALT. 1	6049	X071 MINE CREEK	END BENTS 1 & 6	25	32.48			0.2	4169		940		1		212	424		100.0			
			INT. BENTS 2, 3, 4 & 5		39.72 59.62				6089 7408					312				448.0 525.0	196.0 389.0		
			SPANS 1-5			232.80		21.8	51,633		146,330	209.0									
			TOTALS FOR BR. NO. 6049	25	72.20 85.10	232.80		22.0	6240 65,210		147,270	209.0	1	312	212	424	1.0	548.0 625.0	196.0 389.0		1.0
			END BENTS 1 & 6	25	31.58			0.2	2824	300	940		1		212	424					
ALT. 2	6049	X071 MINE CREEK	INT. BENTS 2, 3, 4 & 5	507	133.92		277.00		22,466					312							
			SPANS 1-5			232.80		21.8	51,630		146,330	209.0									
			TOTALS FOR BR. NO. 6049	532	165.50	232.80	277.00	22.0	76,920	300	147,270	209.0	1	312	212	424	1.0				1.0
			TOTALS FOR JOB NO. 3945	25	61.20 60.10	321.10		22.0	77,670 80,290	350	147,270	209.0	2	312	384	769	1.0	548.0 625.0	196.0 389.0	1.0	1.0
			TOTALS FOR JOB NO. 3945	532	182.50	321.10	277.00	22.0	92,000	650	147,270	209.0	2	312	384	769	1.0	-	-	1.0	1.0

* 16" Oct. Piling Only
** Refers to SP 807-10 & 802-5
*** Refers to SP 802-5

Revised Class S Concrete, Reinforcing Steel, Drilled Shafts, 10-3-84
& Permanent Steel Casing mecl

D.F. LOE
DESIGN SQUAD SUPERVISOR

SCHEDULE OF BRIDGE QUANTITIES
BRUSHY AND MINE CREEKS BRS. & APPRS.
HOWARD COUNTY
ROUTE 355 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION

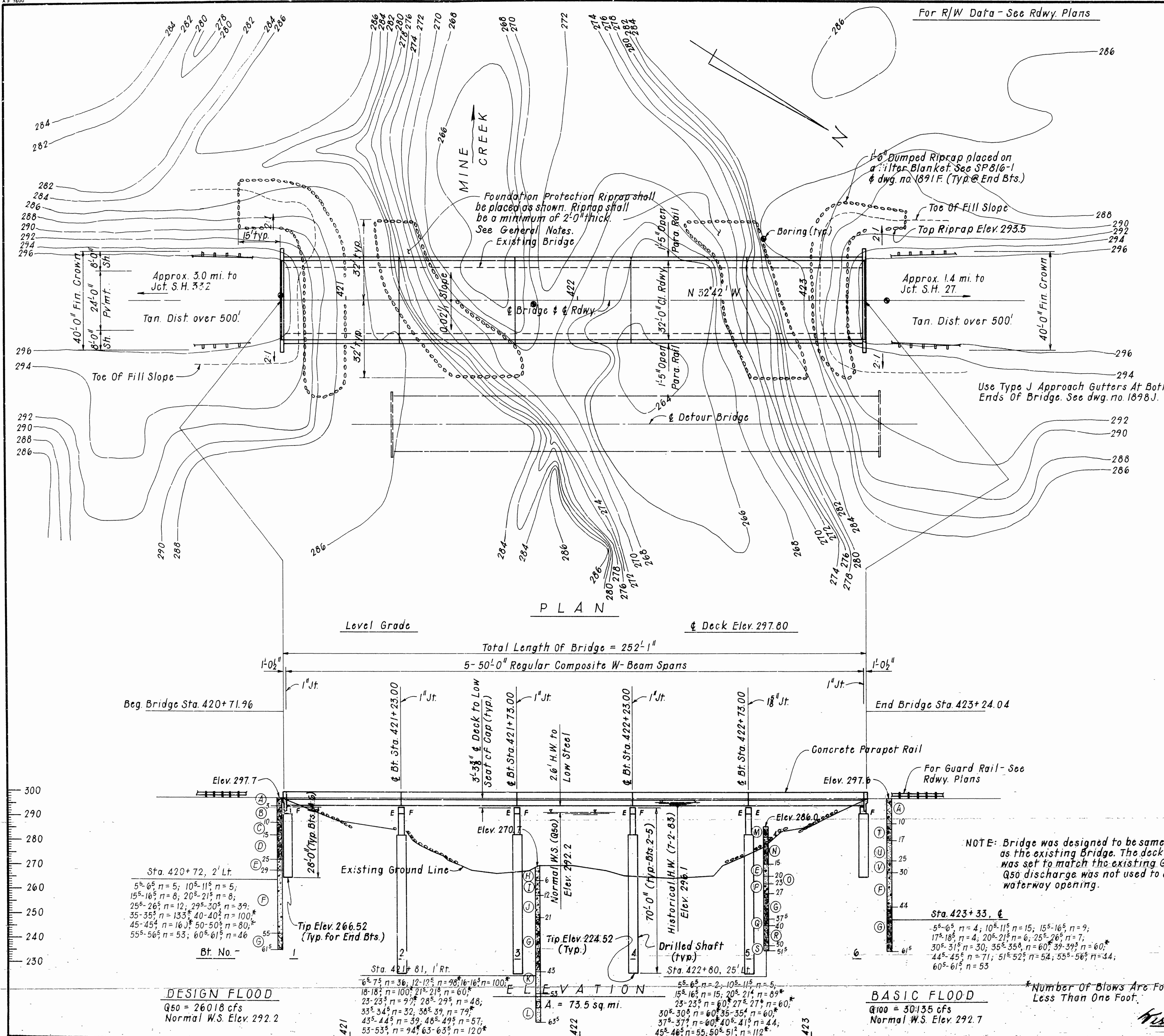
LITTLE ROCK, ARK.
DRAWN BY: *H.D.* DATE: 2-17-84
CHECKED BY: *H.D.* DATE: 2-17-84
DESIGNED BY: DATE:
BRIDGE NO. 2928W & 6049
DRAWING NO. 26512

Fred Pinkerton
BRIDGE ENGINEER

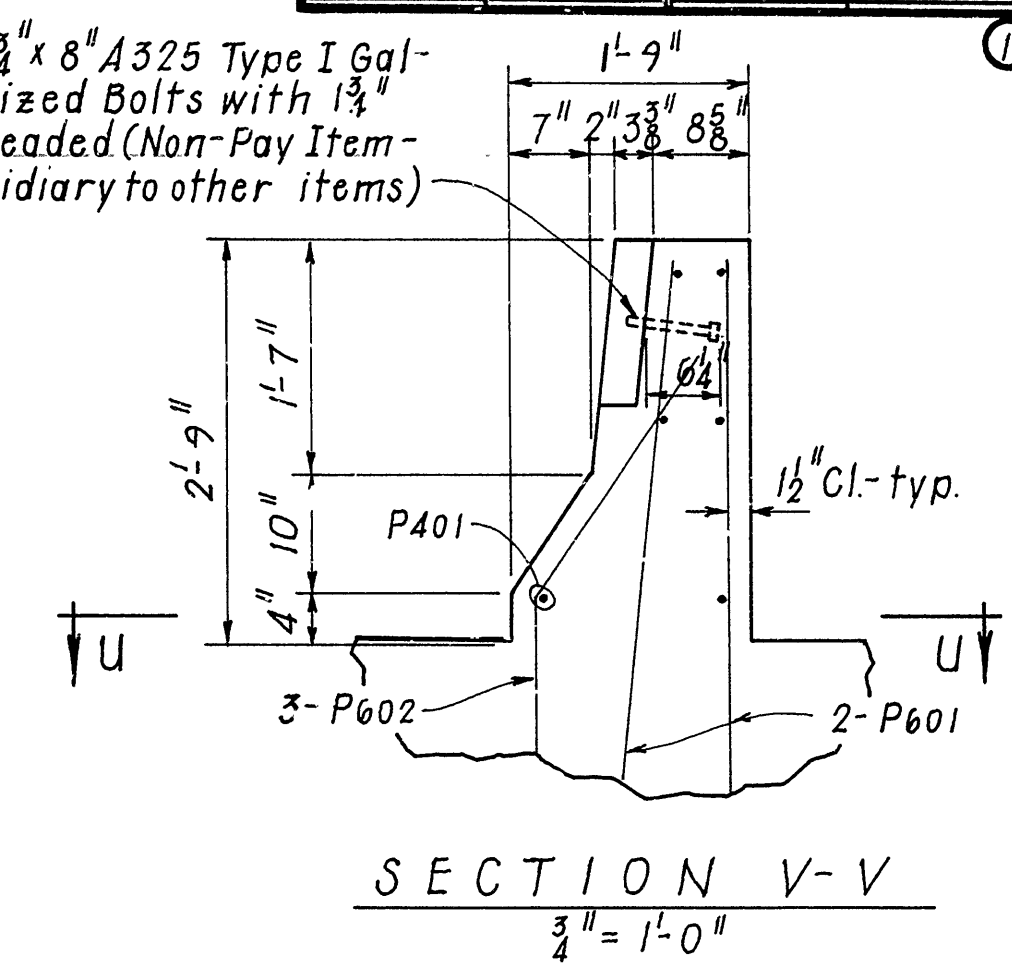
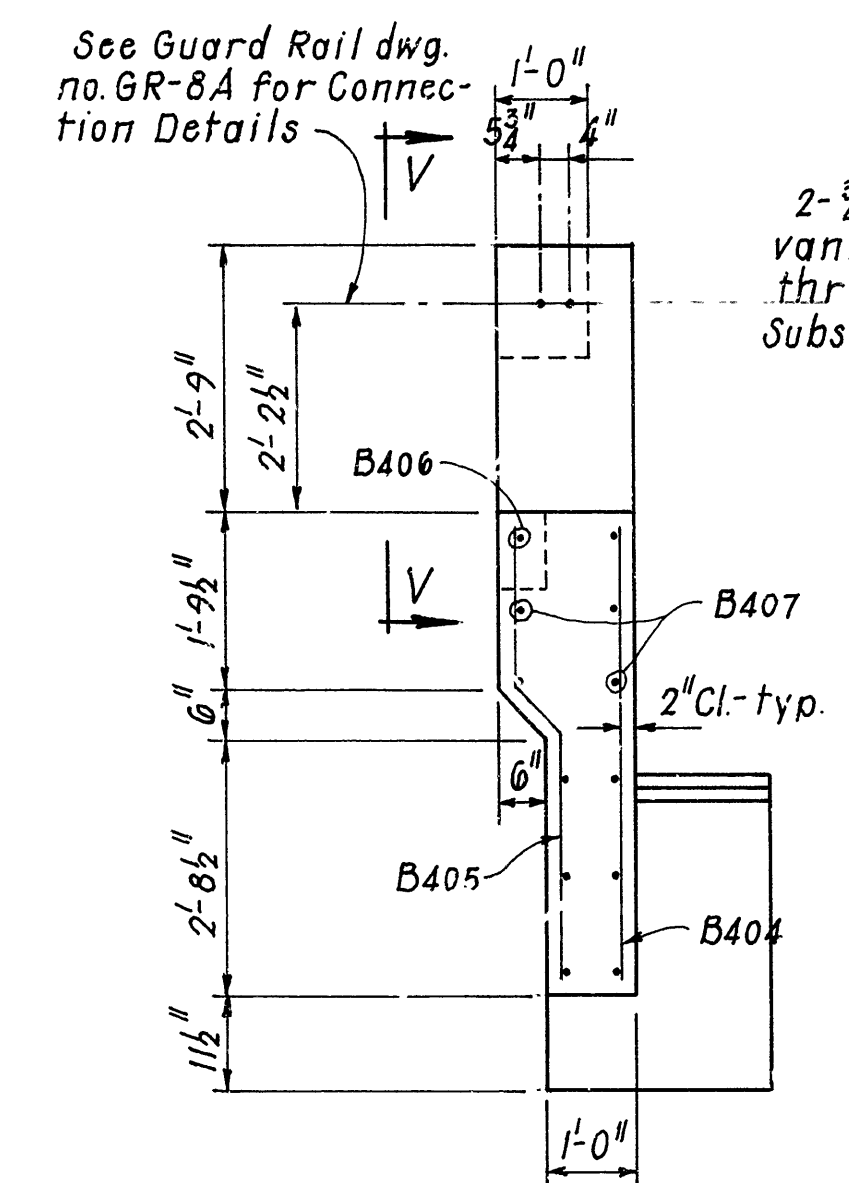
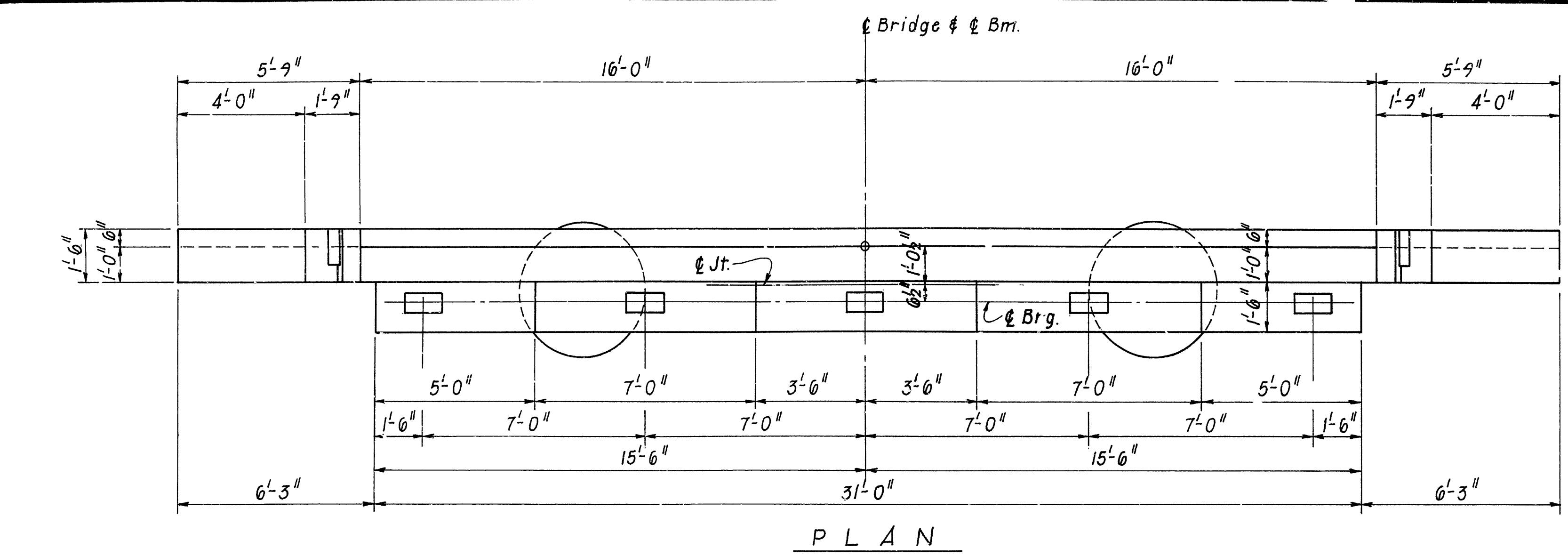
GENERAL NOTES

26519
26520
26521 & 149900
1891F
1888A
14995A
GR-8A
2389A
1898J
2383

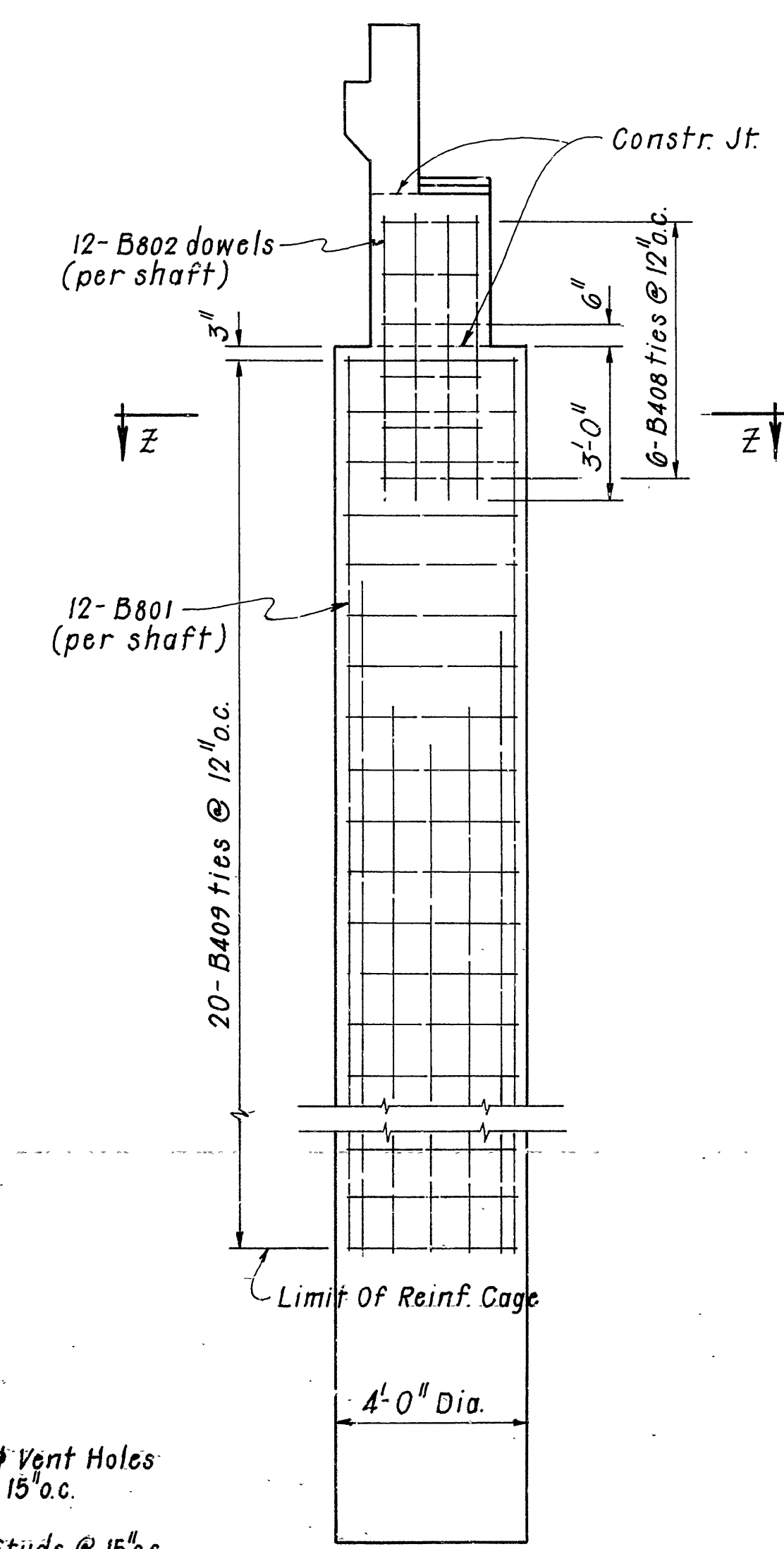
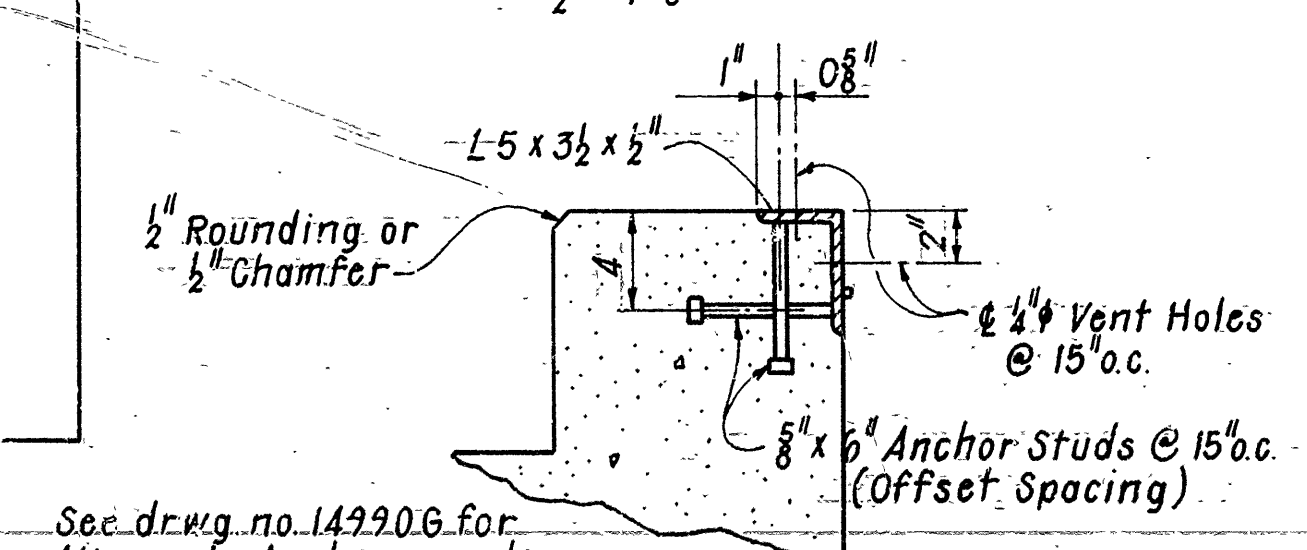
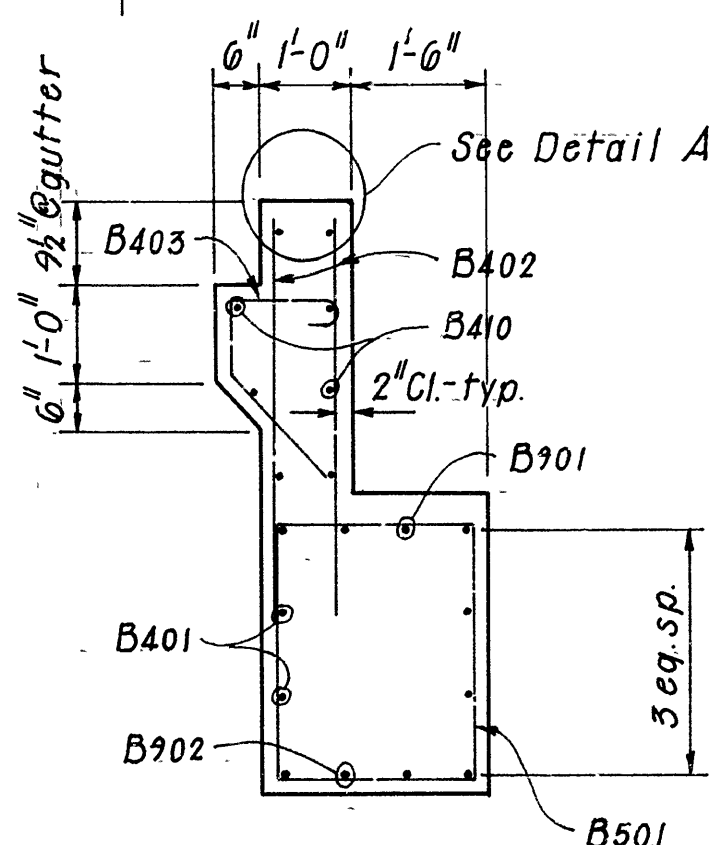
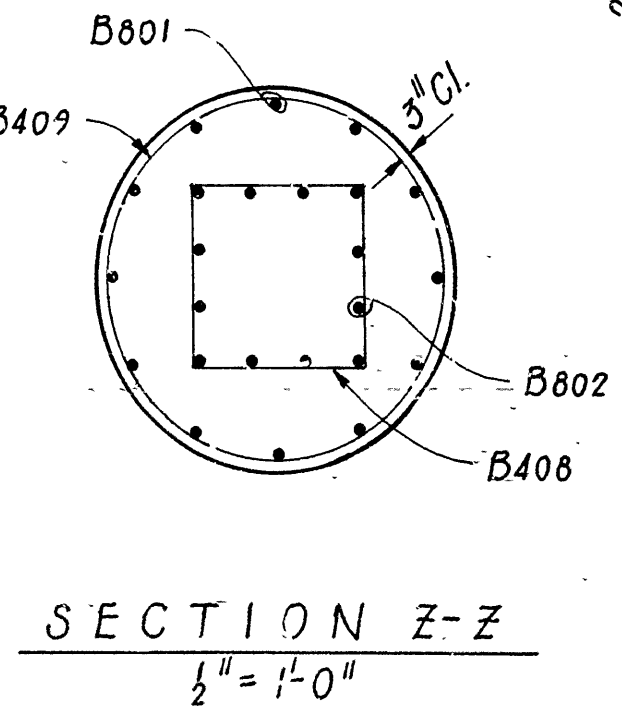
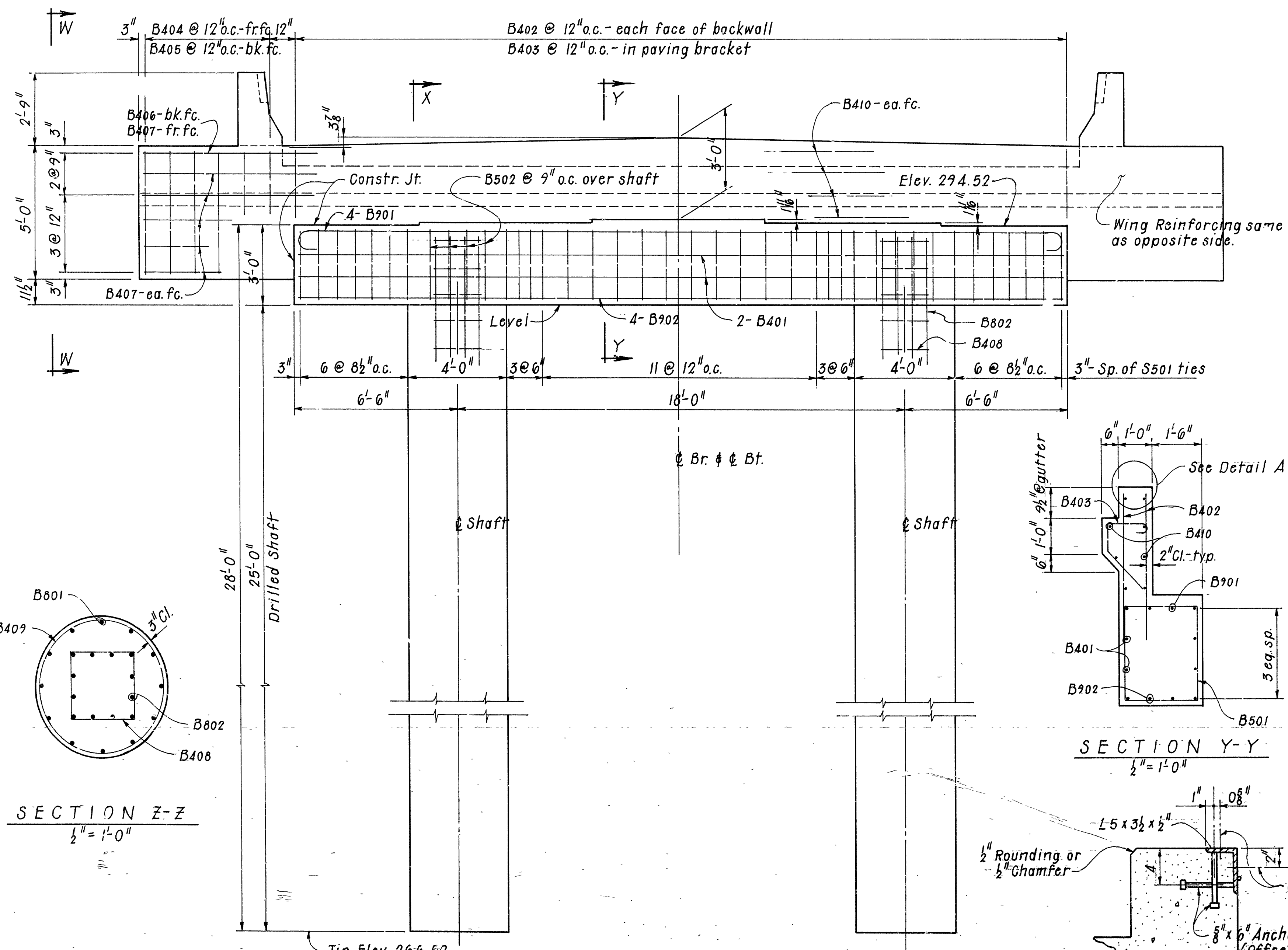
DRAWING NO. 26518



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	3945	17	43	



BAR LIST (PER BENT)

[illegible]

* Non-Pay Item

GENERAL NOTES:

ALL CONCRETE SHALL BE CLASS S AND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED. MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE, $f'_c = 3500$ PSI.

REINFORCING STEEL SHALL BE ASTM A615 OR A617, GRADE 60.

BACKWALL SHALL NOT BE POURED UNTIL BEAMS HAVE BEEN PLACED ON BENT.

STRUCTURAL STEEL IN END BENTS TO BE A588 AND SHALL BE PAID FOR AS "STRUCTURAL STEEL IN BEAM SPANS (A588)."

LIVE LOADING: HS20

SEE SP JOB 3945 FOR CONSTRUCTION METHODS AND PAYMENT OF DRILLED SHAFTS.

FOR ADDITIONAL NOTES, SEE LAYOUT.

ALT. NO. 1
DETAILS OF END BENTS
MINE CREEK
BRUSHY AND MINE CREEKS BRS. & APPRS.
HOWARD COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

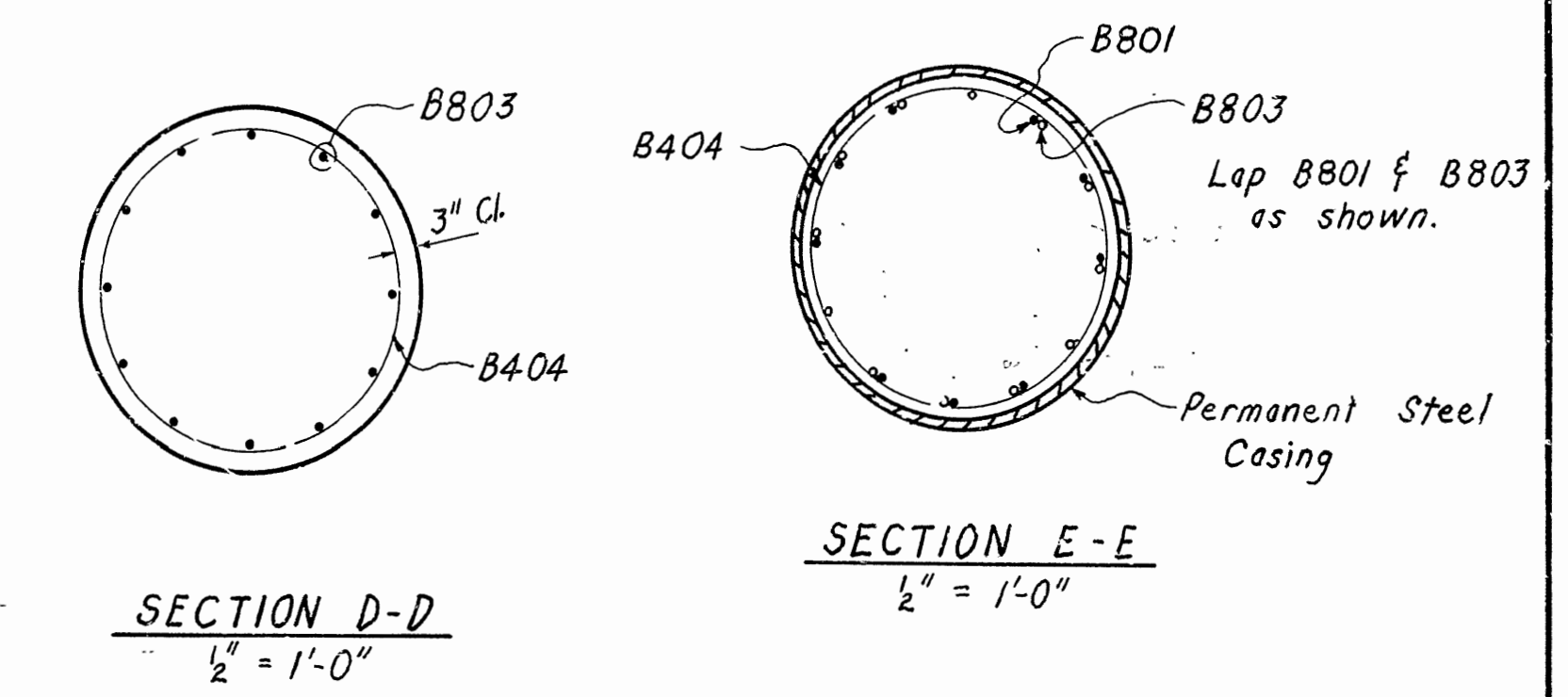
LITTLE ROCK, ARK.

DRAWN BY: *Katoz* DATE: *2-14-84*

CHECKED BY: *HJD* DATE: *2-16-84* SCALE: $\frac{3/4"}{8"} = 1'-0"$ or as shown

DESIGNED BY: *MFC* DATE: *2-13-84*

BRIDGE NO. 6049 DRAWING NO. 26519



BAR LIST PER BENT

Bending Diagrams

B501
 Dimensions: $2'-2''$ (width), $1'-7''$ (inner width), $2'-8''$ (height), $9\frac{1}{4}''$ (flange height), $9\frac{1}{4}''$ (base height).
 Labels: B501, B502.

B402
 Dimensions: $2'-2''$ (width), $2'-8''$ (height).
 Label: B402.

B901
 Dimensions: $29'-8''$ (length), $10''$ (height).
 Label: B901.

B410
 Dimensions: $2'-1''$ (width), $2'-1''$ (height), $7\frac{1}{2}''$ (flange height).
 Label: B410.

B802
 Dimensions: $1'-8''$ (radius), $42''$ (width), $42''$ (height), $26''$ (inner width), $40\frac{3}{4}''$ (inner height), $8\frac{1}{2}''$ (flange height).
 Labels: B412, B404, B405 to, B409.

Bottom Section
 Dimensions: $4'-0''$, $4'-3''$, $4'-0''$.
 Label: B802.

Information For The Fabricator Only

Mark	Total No. for Job	Length	Pin Dia.
B-12	11	12'-6"	4 1/2"
B404	81	12'-6"	4 1/2"
B410	21	9'-2"	2"
B411	12	10'-2"	Str.
B804	84	5'-6"	Str.

A - 18 per bent for bents 2,3,4 ; 9 in bent 5
B - None in bents 2,3,4 ; 9 in bent 5
C - 116 per bent in " " ; 117 " " "
D - 6 " " " " ; 3 " " "
E - 12 in bent 5 only
F - 24 per bent for bents 2,3,4 ; 12 in bent 5
G - 1 each, bent 5 only
H - 11 in bent 5 only

ALTERNATE NO. 1

DETAILS OF BENTS 2, 3, 4, & 5
FOR MINE CREEK

BRUSHY AND MINE CREEK BRS. & APPRS.
HOWARD COUNTY

ROUTE 355 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: MEC DATE: 2-8-84

DRAWN BY: MCC DATE: 1-9-84
CHECKED BY: HJD DATE: 2-13-84
DESIGNED BY: MCC DATE: 1-9-84

BRIDGE NO. 6049 DRAWING NO. 26520

DRAWING NO. 26520

SECTION C-C

New Bars
To Be
Fabricated

VIEW F-F

1 1/2" (Typ.)

5-B901

2-B401

B402 @ 10" ctr. over col.

Elev. 294.52

3'-0"

Reinforcing symm. about \bar{x} bent

B501 Ties 4 sp. @ 12" 12"

Dbbl. B502 3 sp. @ 10"

5-B902 B501 Ties 5 sp. @ 10"

3"

7'-0"

4'-0"

4'-0"

6'-0"

18'-0"

6'-0"

B412 @ 12"

48" O.D. Permanent Steel Casing

12-B411

One drilled shaft of bent 5 has been constructed with a 2'-6" ϕ x 11'-0" column on top of the shaft. That column shall be encased in Class 5 Concrete using the B412 & B411 bars and the 48" O.D. Permanent Steel Casing as shown.

67'-0" Drilled Shaft

70'-0"

ELEVATION

One drilled shaft of bent 5 has been constructed with a 2'-6" ϕ x 11'-0" column on top of the shaft. That column shall be encased in Class S Concrete using the B412 & B411 bars and the 48" O.D. Permanent Steel Casing as shown.

⚠ Replaced column with extended shaft. 10-3-84 M&C

Vernon Pinkerton
BRIDGE ENGINEER

