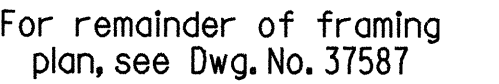
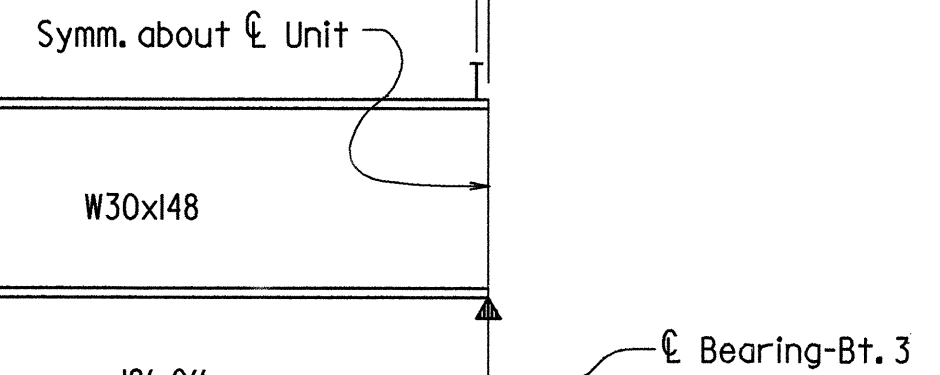


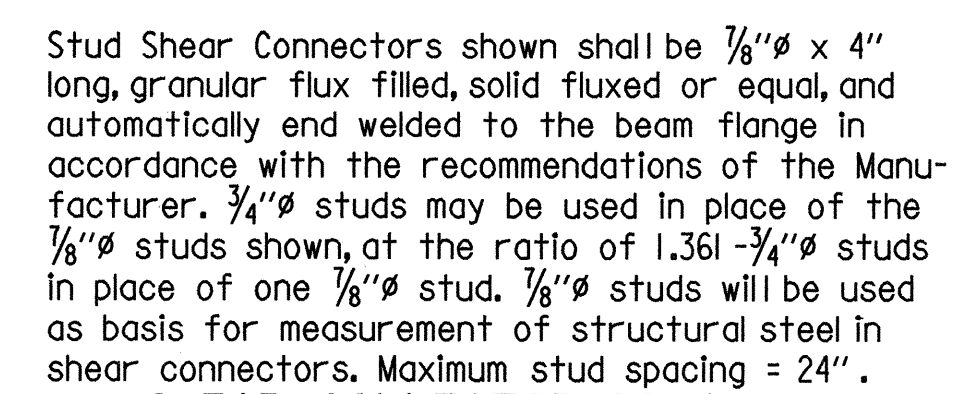
①	06667 - W-BEAM UNIT (STA.931) - 37586
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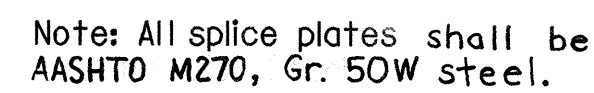
Scale: $\frac{3}{16}'' = 1'-0''$



No Scale



No Scale



Scale: $\frac{3}{4}'' = 1'-0''$

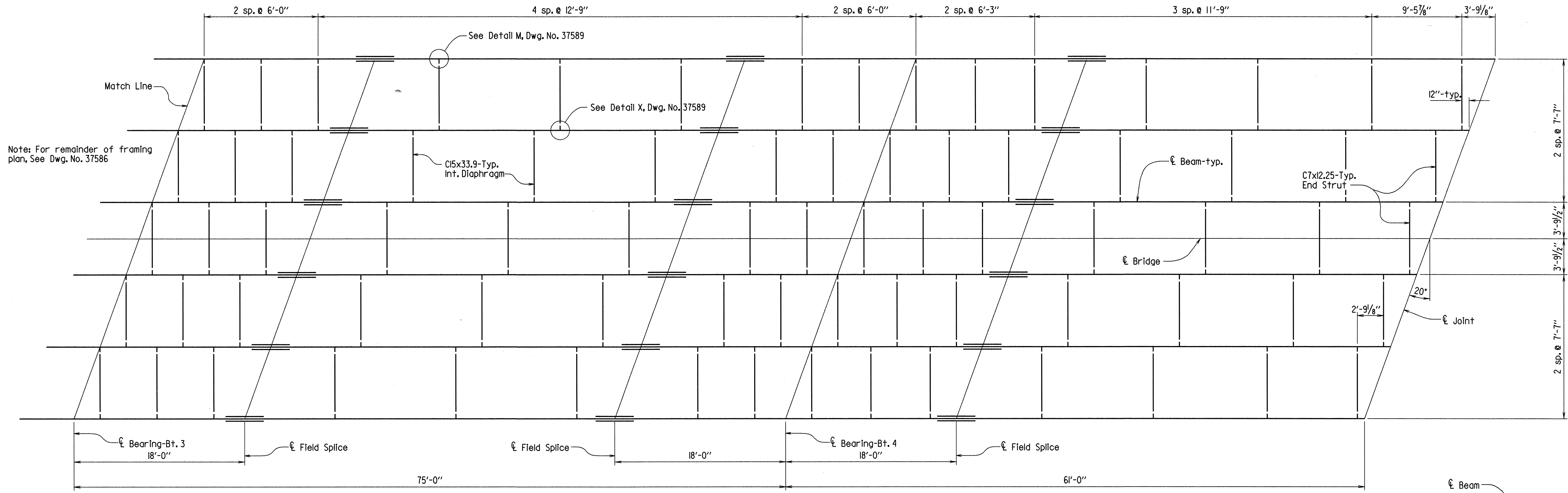
For General Notes, See Dwg. No. 37590

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

DRAWN BY: KDH DATE: 17 JAN 95
 CHECKED BY: CJF DATE: 4-16-95 SCALE: AS NOTED
 DESIGNED BY: CJF DATE: 9-30-94
 BRIDGE NO. 06667 DRAWING NO. 37586

B00991811.S3

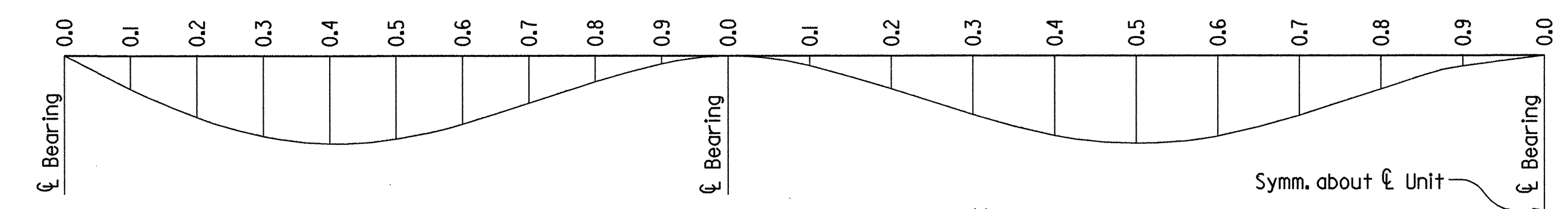
MICROFILMED
SEP 27 1996



PARTIAL FRAMING PLAN
Scale: 3/16" = 1'-0"

TABLE OF DEAD LOAD DEFLECTIONS (INCHES)

Span	Point of Deflection	Structural Steel		Structural Steel + Slab		Structural Steel + Slab + Parapet	
		Interior	Exterior	Interior	Exterior	Interior	Exterior
1 of 4	0	0	0	0	0	0	0
	0.1	0.043	0.041	0.286	0.241	0.307	0.263
	0.2	0.079	0.075	0.526	0.442	0.569	0.482
	0.3	0.104	0.098	0.684	0.576	0.735	0.628
	0.4	0.114	0.107	0.745	0.628	0.800	0.685
	0.5	0.108	0.102	0.707	0.595	0.759	0.649
	0.6	0.090	0.085	0.583	0.492	0.626	0.537
	0.7	0.063	0.060	0.406	0.343	0.436	0.374
	0.8	0.035	0.033	0.221	0.186	0.237	0.203
	0.9	0.011	0.011	0.069	0.058	0.074	0.063
2 of 3	0	0	0	0	0	0	0
	0.1	0.013	0.012	0.085	0.071	0.091	0.078
	0.2	0.044	0.041	0.283	0.238	0.305	0.261
	0.3	0.078	0.073	0.509	0.428	0.548	0.469
	0.4	0.104	0.098	0.685	0.576	0.733	0.630
	0.5	0.114	0.107	0.751	0.632	0.808	0.691
	0.6	0.104	0.098	0.687	0.578	0.740	0.632
	0.7	0.078	0.073	0.514	0.432	0.553	0.473
	0.8	0.044	0.041	0.288	0.242	0.310	0.264
	0.9	0.013	0.012	0.088	0.074	0.094	0.084
	0	0	0	0	0	0	0



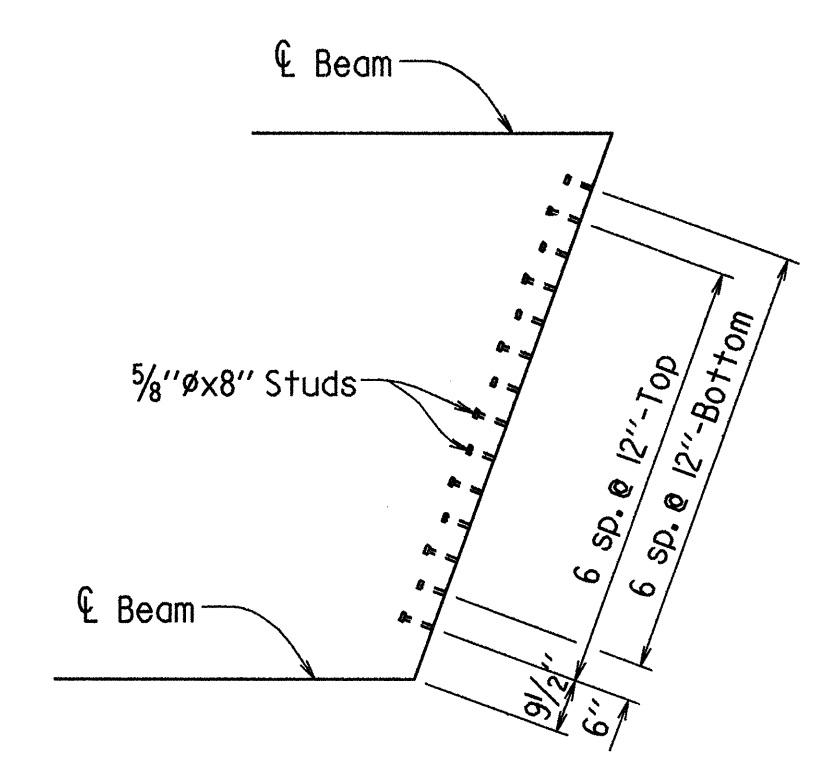
Camber for Dead Load Deflection plus Vertical curve $\pm 1/4"$ tolerance. Deflections shown are from a chord from ℓ Bearing to ℓ Bearing. Vertical curve corrections not included.

DEAD LOAD DEFLECTION DIAGRAM
No Scale

TABLE FOR WELD

Material Thickness of Thicker Part Joined (Inches)	Minimum Size of Fillet Weld (Inches)	Single Pass Weld Must Be Used
To 3/4" Inclusive	1/4"	
Over 3/4"	5/16"	

NOTE: When a fillet weld size, as shown on the plans, is larger than the minimum, the first pass shall be that specified for minimum size of fillet weld.

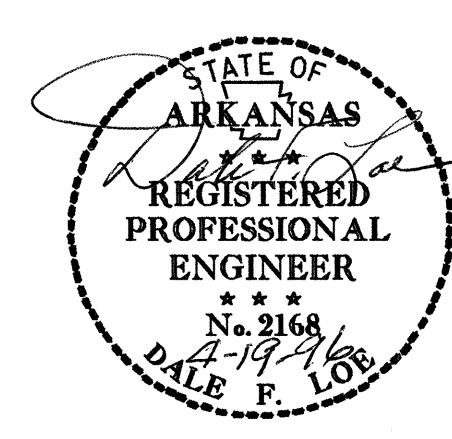


STUD CONNECTORS AT EXPANSION DEVICE
Scale: 3/8" = 1'-0"

For General Notes, See Dwg. No. 37590

ALTERNATE NO. 1
SHEET 2 OF 3
DETAILS OF 272'-0" CONTINUOUS
COMPOSITE W-BEAM UNIT
LONG CREEK - STA. 931+00
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

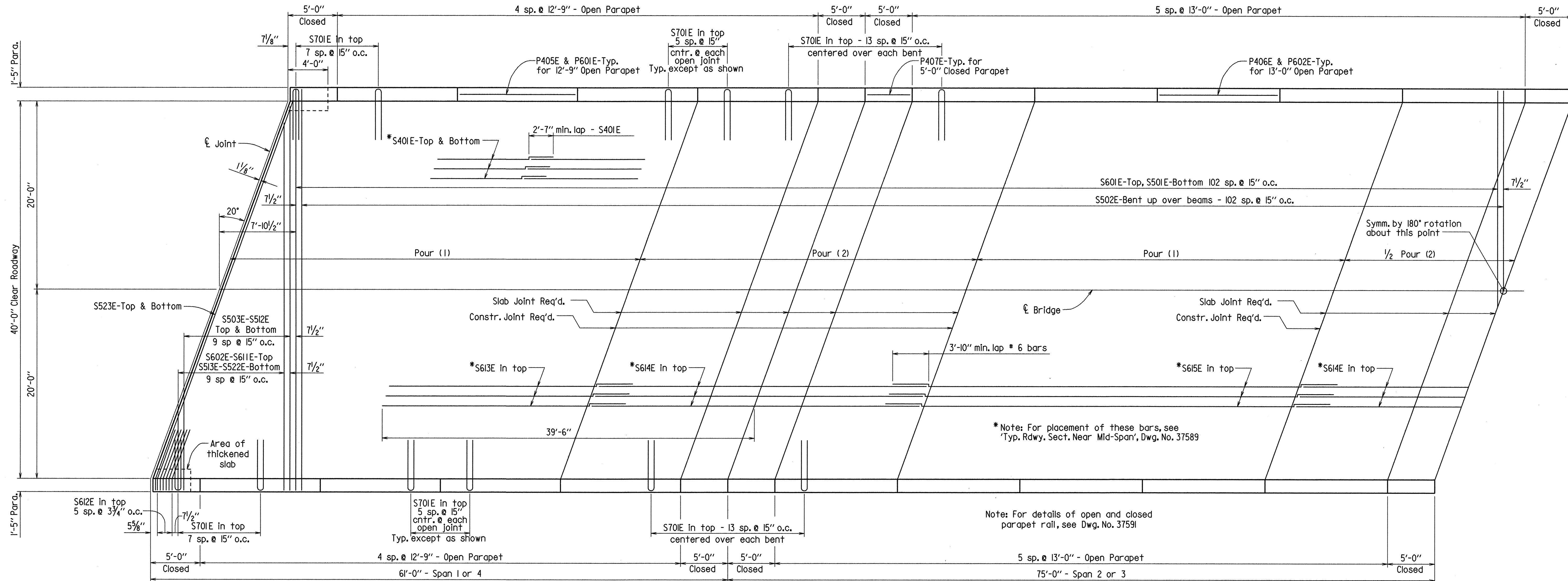
DRAWN BY: KDH DATE: 17 JAN 95
CHECKED BY: CJSF DATE: 4-16-95 SCALE: AS NOTED
DESIGNED BY: CJSF DATE: 9-30-94
BRIDGE NO. 06667 DRAWING NO. 37587



BRIDGE ENGINEER

NOTE: Pours with the same number may be placed simultaneously or separately. All Pours (1) must be placed before Pours (2) can be placed. 48 hours shall elapse between the end of a pour and the start of the next pour. 72 hours shall elapse between the end of a pour and the start of an adjacent pour. Any railing pours made before the entire slab unit has been placed must be approved by the Bridge Engineer. The contractor must obtain approval from the Bridge Engineer for any deviations from the pouring sequence.

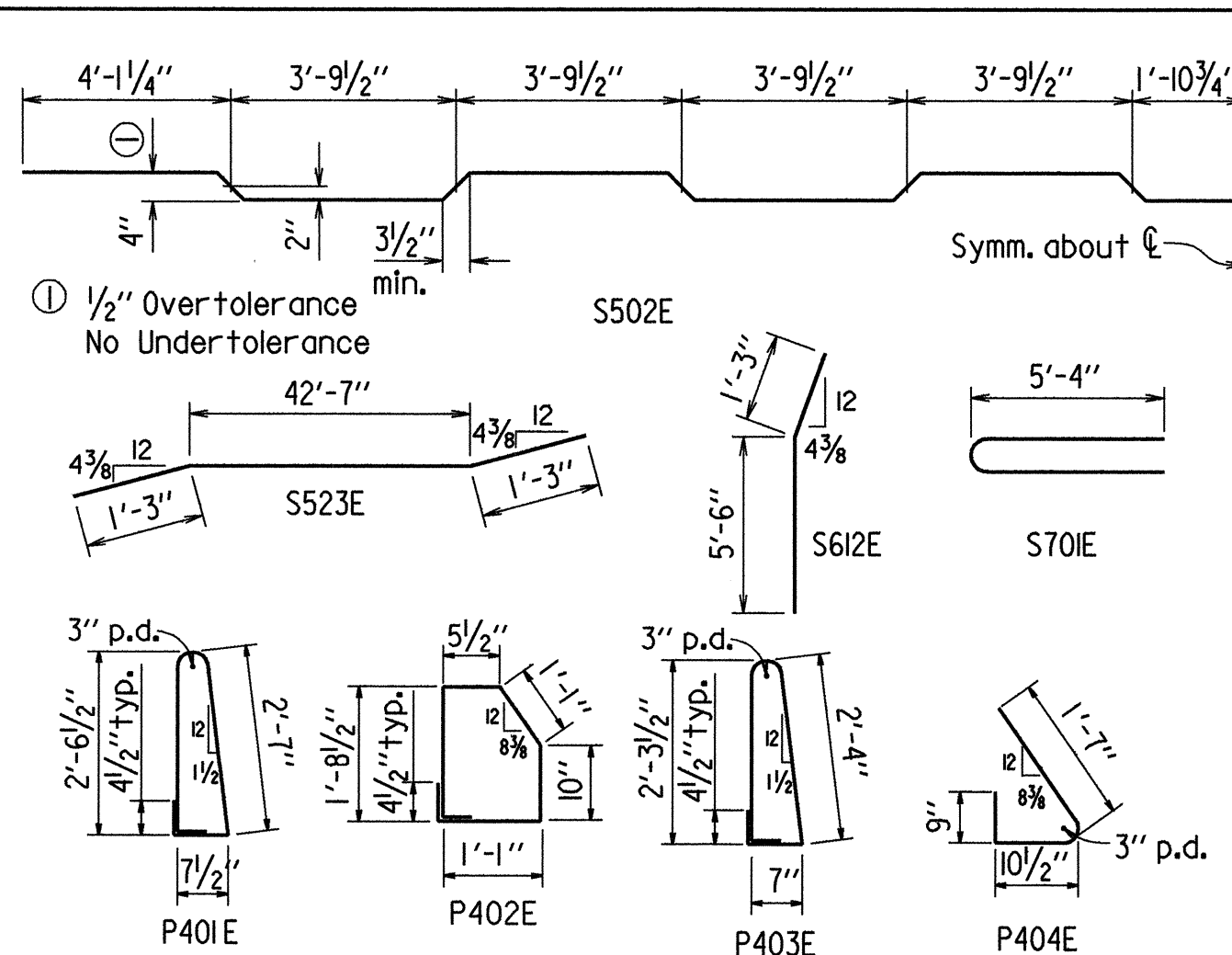
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		009918	33	115
				06667 - W-BEAM UNIT (STA.931) - 37588				



BAR LIST

MARK	NO. REQ'D.	LENGTH	P.D.
S401E	720	36'-3"	Str.
P401E	584	6'-4"	2"
P402E	584	5'-6"	2"
P403E	216	5'-10"	2"
P404E	216	3'-2"	2"
P405E	64	12'-4"	Str.
P406E	80	12'-7"	Str.
P407E	80	4'-7"	Str.
S501E	206	42'-6"	Str.
S502E	205	43'-4"	3"
S503E-S512E	4 each	Var. 9'-6" to 40'-6"	Str.
S513E-S522E	2 each	Var. 7'-9" to 38'-8"	Str.
S523E	4	45'-1"	3 3/4"
S601E	206	42'-6"	Str.
S602E-S611E	2 each	Var. 7'-9" to 38'-8"	Str.
S612E	12	6'-9"	4 1/2"
S613E	92	25'-9"	Str.
S614E	138	35'-5"	Str.
S615E	92	47'-0"	Str.
P601E	80	12'-4"	Str.
P602E	100	12'-7"	Str.
S701E	284	11'-0"	6 1/2"

BENDING DIAGRAMS



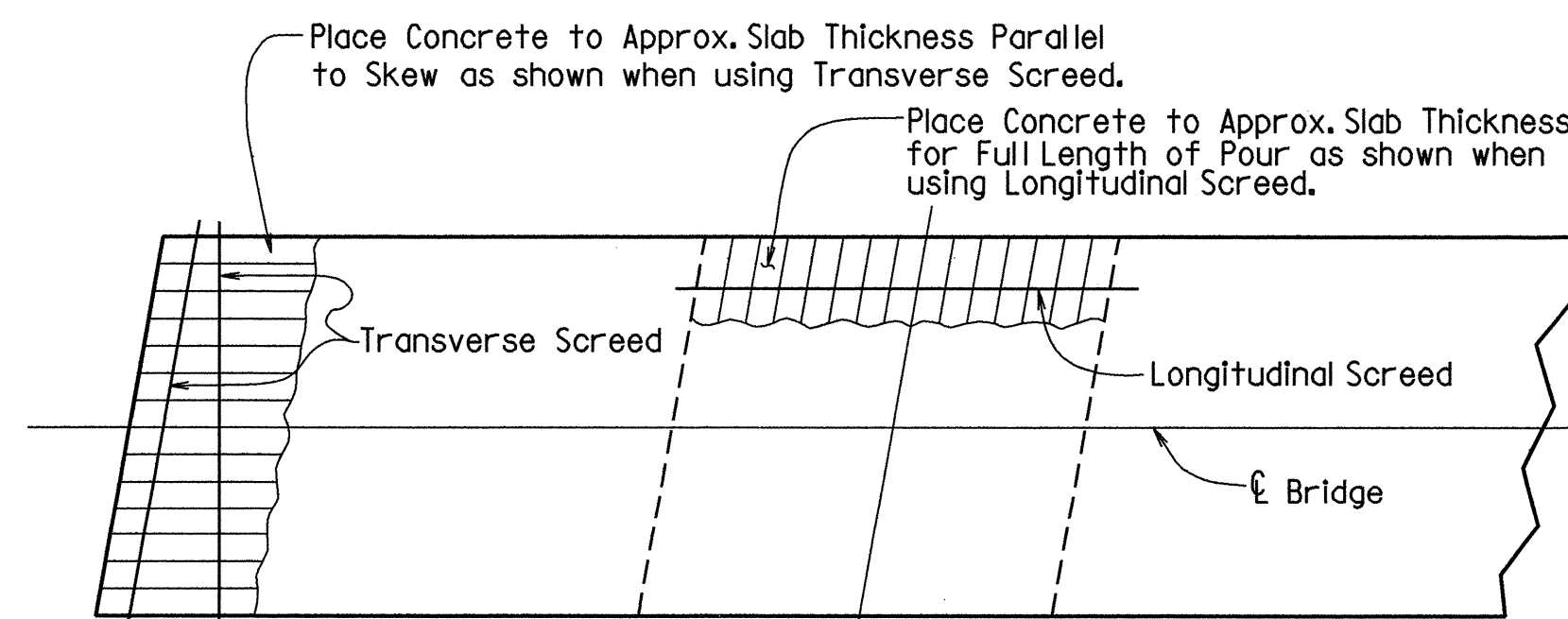
Note: At the contractor's option, two straight epoxy coated #5 bars may be substituted for the bar S502E. Payment will be based on the weight of the S502E bars.

Bar designations ending with an "E" indicates epoxy coated bars.

Dimensions are out to out of bars.

HALF REINFORCING PLAN

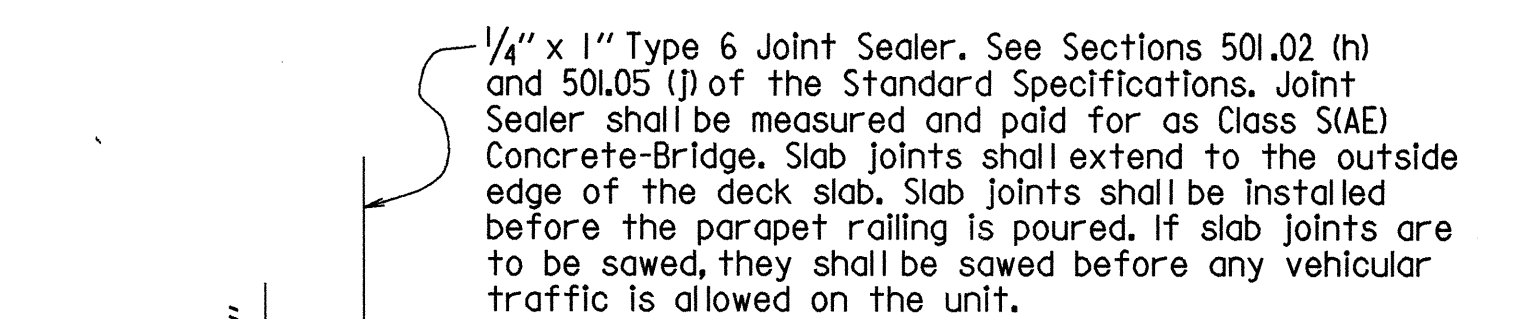
Scale: 3/8" = 1'-0"



Note: At the Contractor's Option, the Transverse Screed may be placed parallel to the skew or perpendicular to Bridge.

CONCRETE PLACEMENT PROCEDURE

No Scale



SLAB JOINT DETAIL

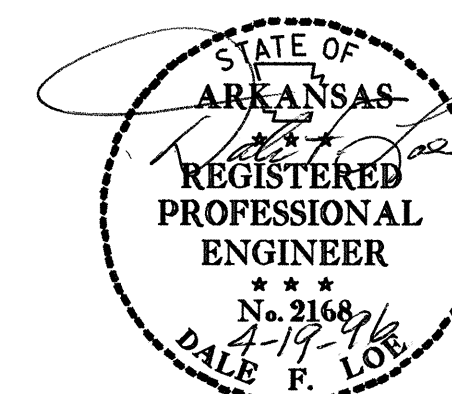
No Scale

For General Notes, See Dwg. No. 37590

ALTERNATE NO. 1
SHEET 3 OF 3
DETAILS OF 272'-0" CONTINUOUS
COMPOSITE W-BEAM UNIT
LONG CREEK - STA. 931+00

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 17 JAN 95
CHECKED BY: C.J.F. DATE: 4-16-95 SCALE: AS NOTED
DESIGNED BY: C.J.F. DATE: 9-30-94
BRIDGE NO. 06667 DRAWING NO. 37588



BRIDGE ENGINEER

B0099181.S5

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
12-2-66	1-2-67			6	ARK.		23
				JOB NO.		009918	23
				06667 - LAYOUT (STA. 931+00)			

Boring Legend

- A-Moist, very stiff, brown sandy, silty clay with gravel and cobbles.
- B-Soft, brown poorly cemented sandstone.
- C-Medium hard, brown and gray sandstone.
- D-Moist, stiff, brown and gray sandy, silty clay.
- E-Medium hard, brown to gray poorly cemented sandstone.
- F-Hard, gray and brown fractured sandstone with some poorly cemented sand.
- G-Hard, gray and brown fractured sandstone.
- H-Medium hard, gray and brown poorly cemented sandstone with clay seams.
- J-Hard, gray limestone with some fractured seams.
- K-Hard, gray fractured limestone with clay seams.
- L-Moist, soft, brown sandy, silty clay.
- M-Wet, very stiff, brown sandy, silty clay with gravel and cobbles.
- N-Medium hard, brown poorly cemented sandstone with clay seams.
- O-Hard, gray dolomite with some limestone seams.
- P-Hard, gray dolomite.
- Q-Moist, dense, gray and brown sand with clay seams, gravel and cobbles.
- R-Medium hard, brown and gray, highly fractured, calcareous sandstone with clay seams.
- S-Soft, dark gray shale interbedded with dolomite and weathered shale sandstone.
- T-Hard, gray dolomite with limestone seams.
- U-Wet, medium dense, gray and brown sand with clay seams, limestone fragments and cobbles.
- V-Medium hard, gray highly fractured dolomite with sandy clay seams.
- W-Medium hard, brown and gray calcareous poorly cemented sandstone with clay seams.
- X-Hard, gray fractured dolomite with some clay seams.

HYDRAULIC DATA

FLOOD DESCRIPTION	FREQUENCY YEARS	DISCHARGE CFS	*NATURAL WATER SURFACE ELEVATION FEET	WATER SURFACE ELEV. WITH BACKWATER FEET
Design	50	9890	1206.5	1209.5
Base	100	12040	1207.0	1210.4
Extreme	500	20400	1208.5	1214.7
Overtopping	>500	-	-	-

* Unconstricted water surface without structure or roadway approaches.
Drainage area = 15.8 square miles.
Historical H.W. Elev. = 1210.4 ft.

For General Notes, see Dwg. No. 37579A.

REVISOR INCORRECT LAYOUT ELEVATION JAC 12-31-96

ALTERNATE NO. 1
LAYOUT OF BRIDGE OVER
LONG CREEK - STA. 931+00
LONG CREEK STRS. & APPRS.
CARROLL COUNTY
ROUTE 412 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 9 AUG 94
CHECKED BY: JHP DATE: 4-10-96 SCALE: 1" = 20'
DESIGNED BY: CJF DATE: 8-9-94
BRIDGE NO. 06667 DRAWING NO. 37579

