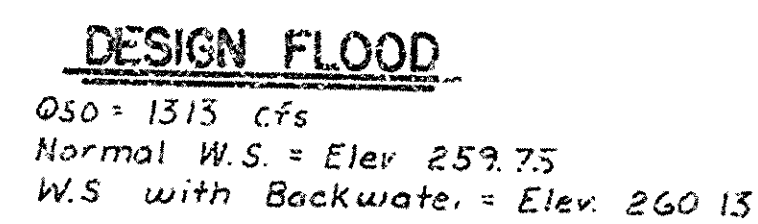
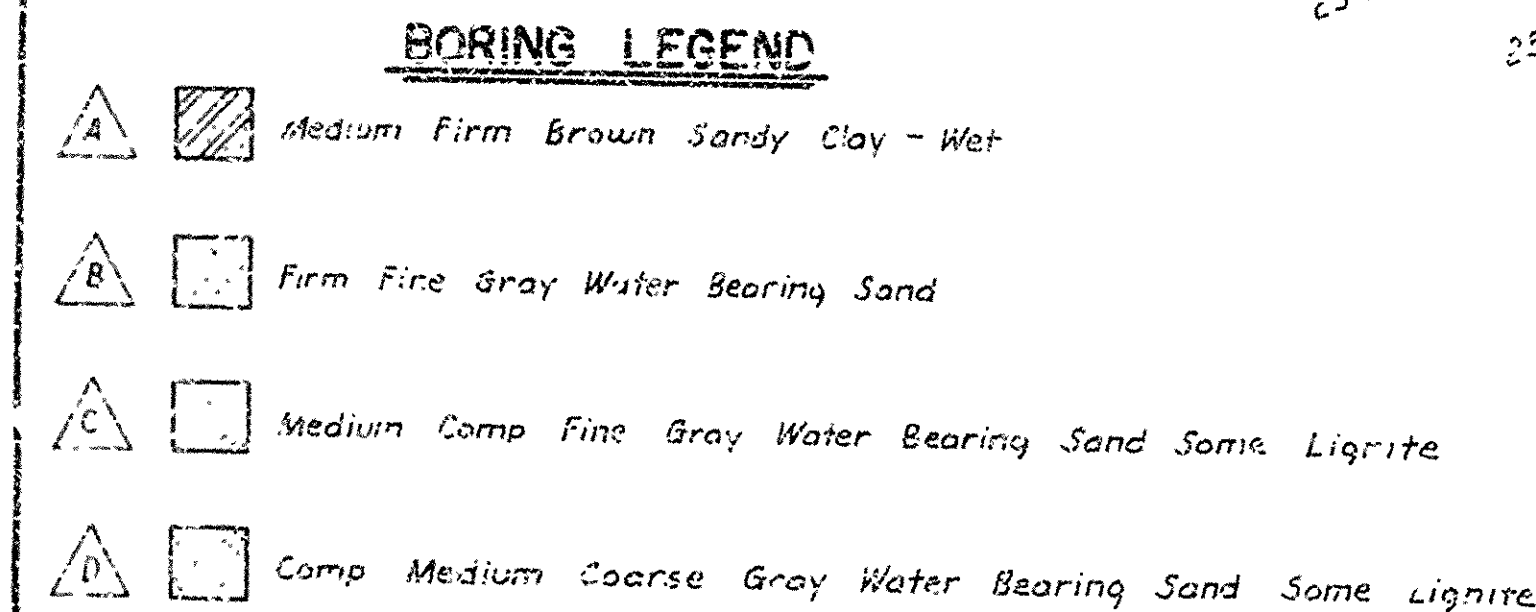
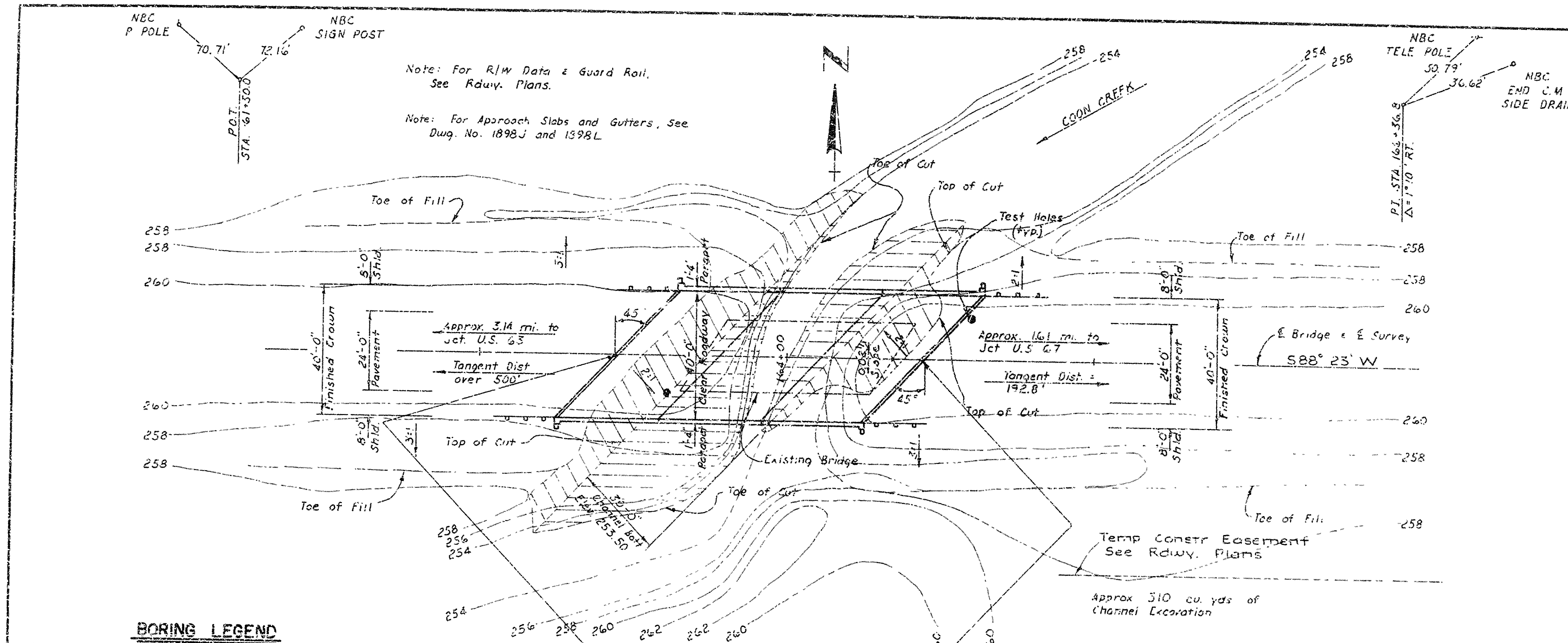
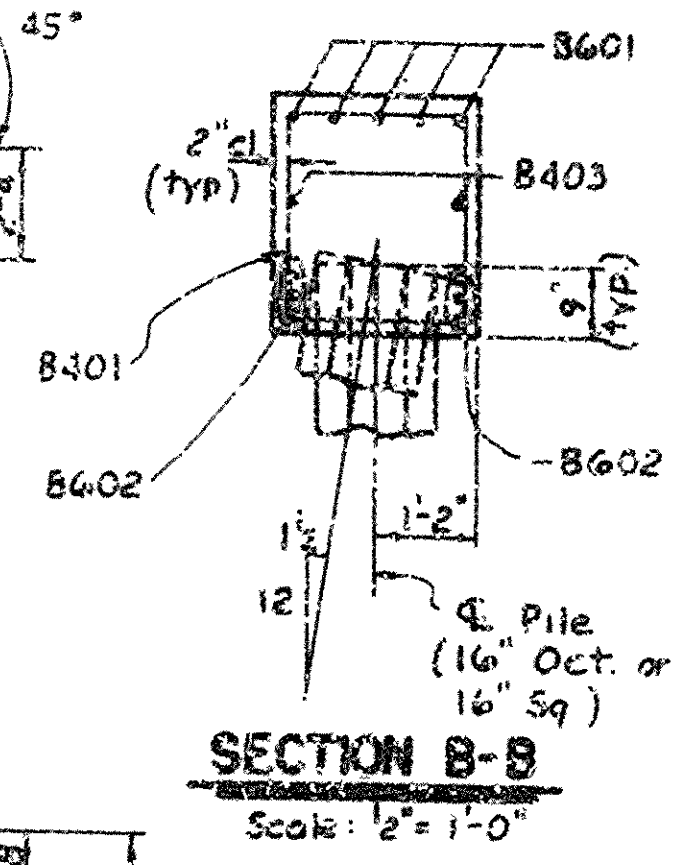
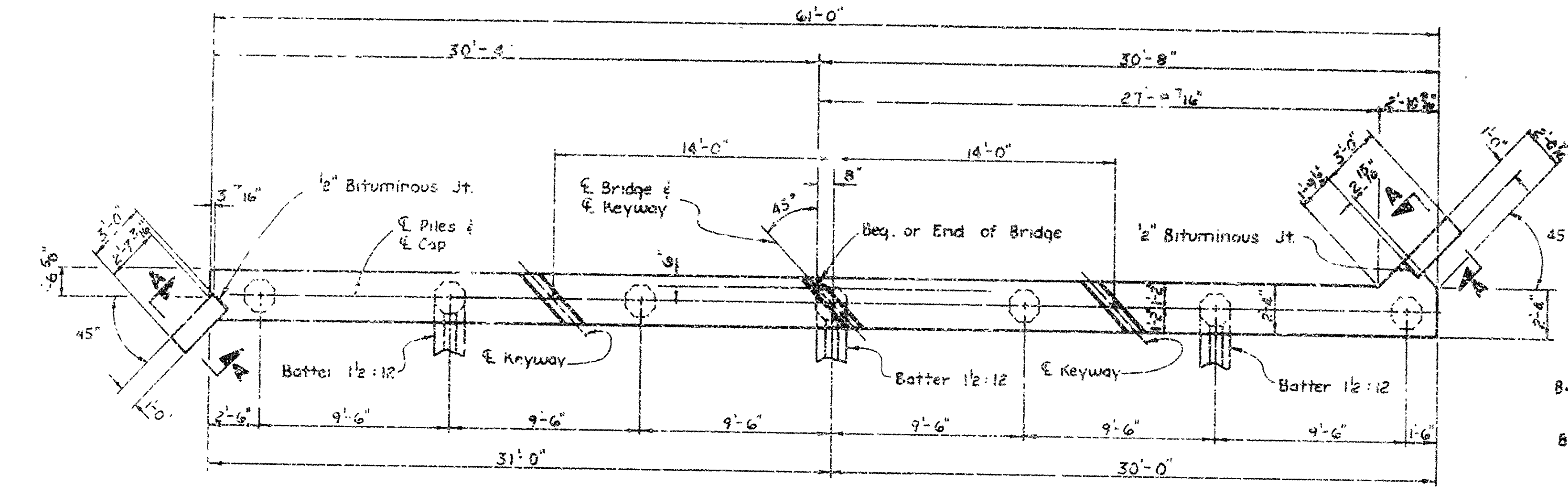


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RES. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO		10734	19	19
				(1) 5727	LAYOUT	21336		

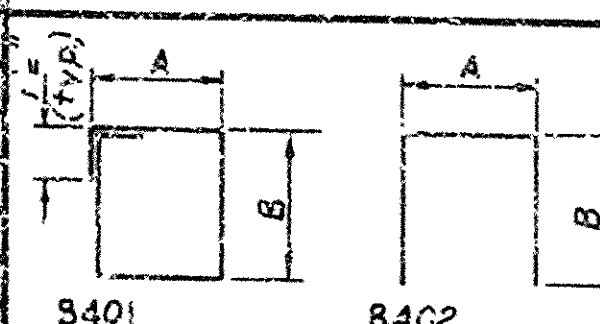
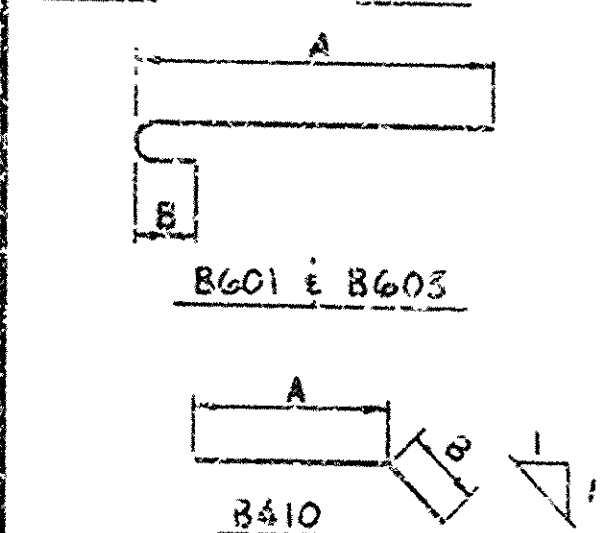



BRIDGE NO. 5727 DRAWING NO. 21336

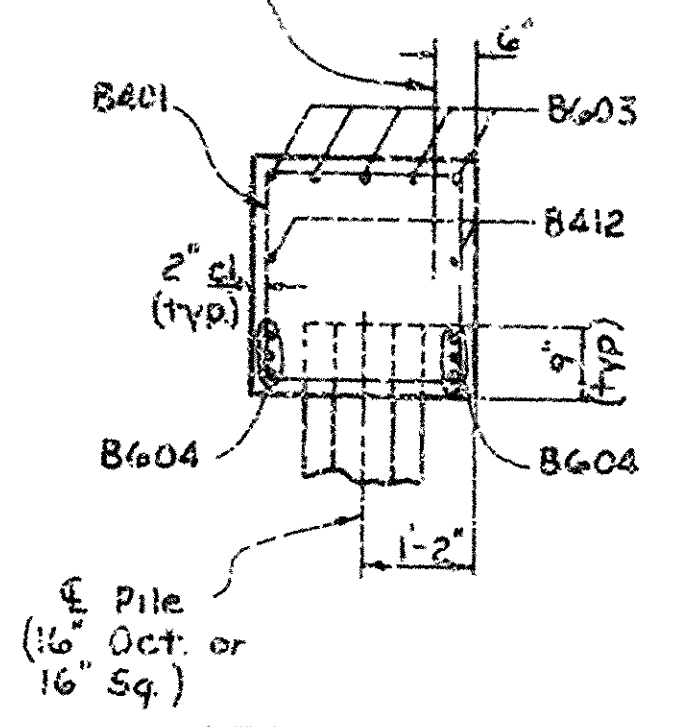
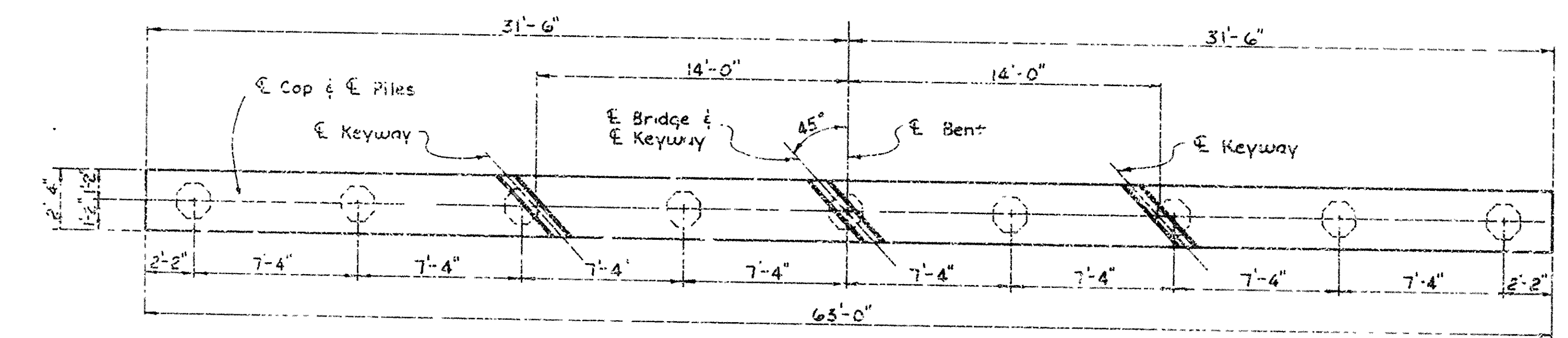
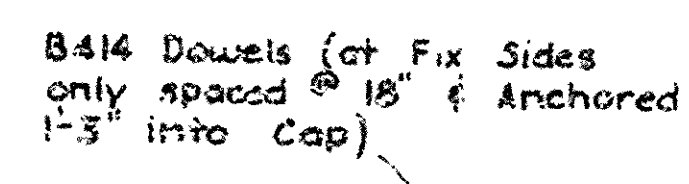
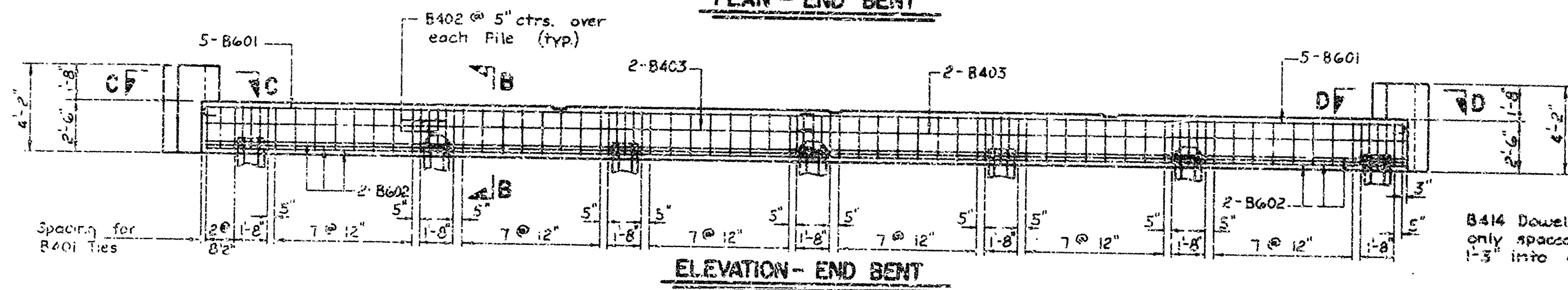
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				6	ARK.			
				JOB NO.		10734	20	49
				5727	STD. UNIT	21337		



BAR LIST - PER ENT

MARK	NO. REQ'D		LENGTH	A	B	PIN DIA.	BENDING DIAGRAMS
	END BT.	INT. BT.					
B401	65	70	9'-2"	2'-0"	2'-2"	2"	
B402	21	27	6'-2"	2'-0"	2'-2"	2"	
B403	4	-	3'-2"	-	-	Str.	
B404	16	-	3'-10"	-	-	Str.	
B405	6	-	2'-8"	-	-	Str.	
B406	5	-	4'-6"	-	-	Str.	
B407	3	-	6'-3"	-	-	Str.	
B408	1	-	2'-2"	-	-	Str.	
B409	6	-	4'-3"	-	-	Str.	
B410	3	-	2'-10"	1'-10"	12"	2"	
B412	-	4	32'-2"	-	-	Str.	
B414	-	4	2'-6"	-	-	Str.	
B601	10	-	32'-3"	31'-7"	6'	4 1/2"	
B602	12	-	31'-7"	-	-	Str.	
B603	-	10	33'-5"	32'-7"	6"	4 1/2"	
B604	-	12	32'-7"	-	-	Str.	

Dimensions are out to
out of Bars.



* 12 Reg'd of Fix-Exp. Bent.
84 Reg'd of Fix-Fix Bent.

GENERAL NOTES

ALL CONCRETE TO BE CLASS "S" AND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED

REINFORCING STEEL TO BE ASTM A615 OR A617, GRADE 60

ALL PILING SHALL BE 16" OCTAGONAL OR 16" SQUARE PRECAST CONCRETE AND SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 44 TONS PER PILE.

PILES IN END BENTS SHALL BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF BENT CAP IS IN PLACE.

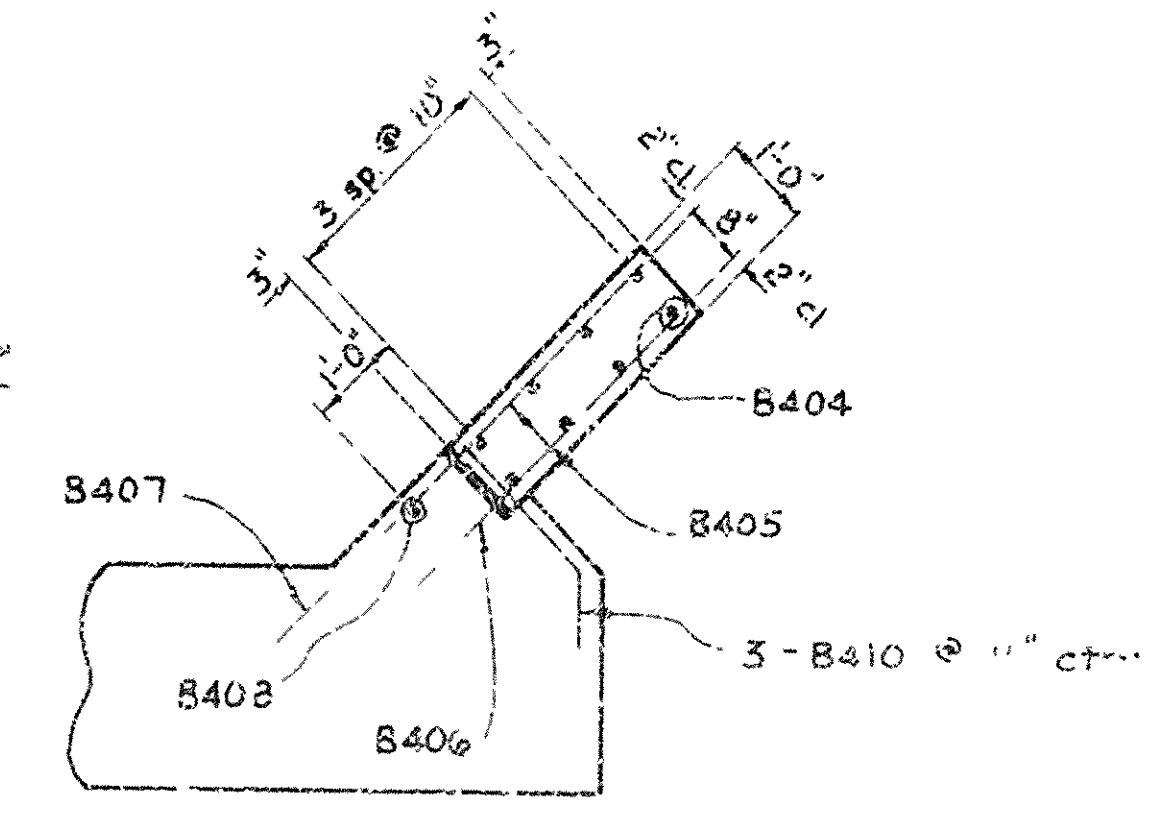
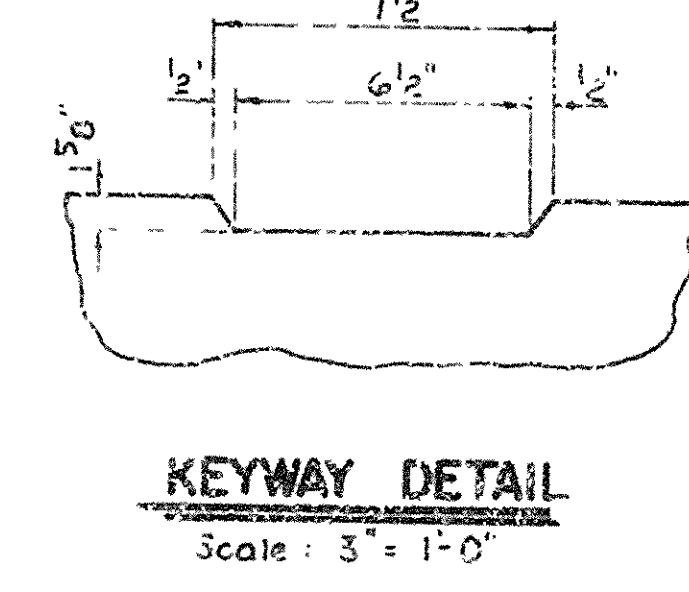
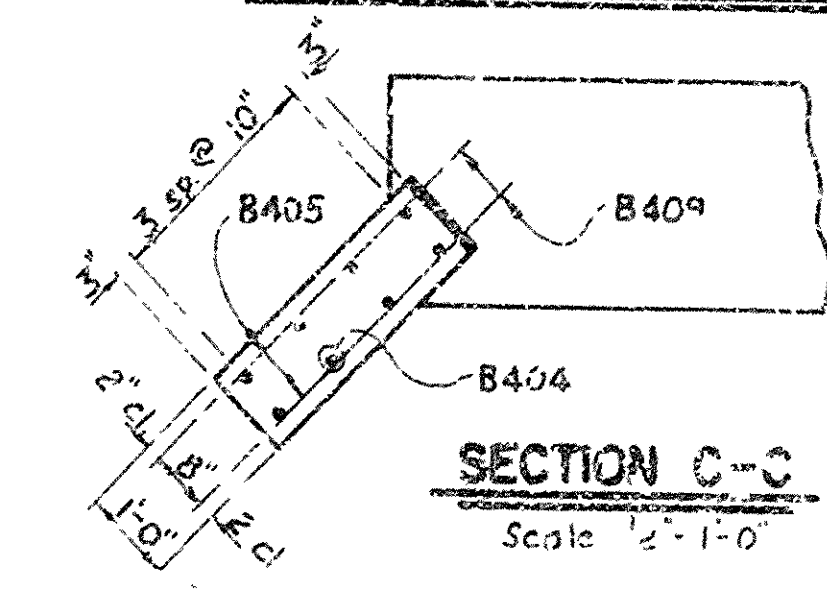
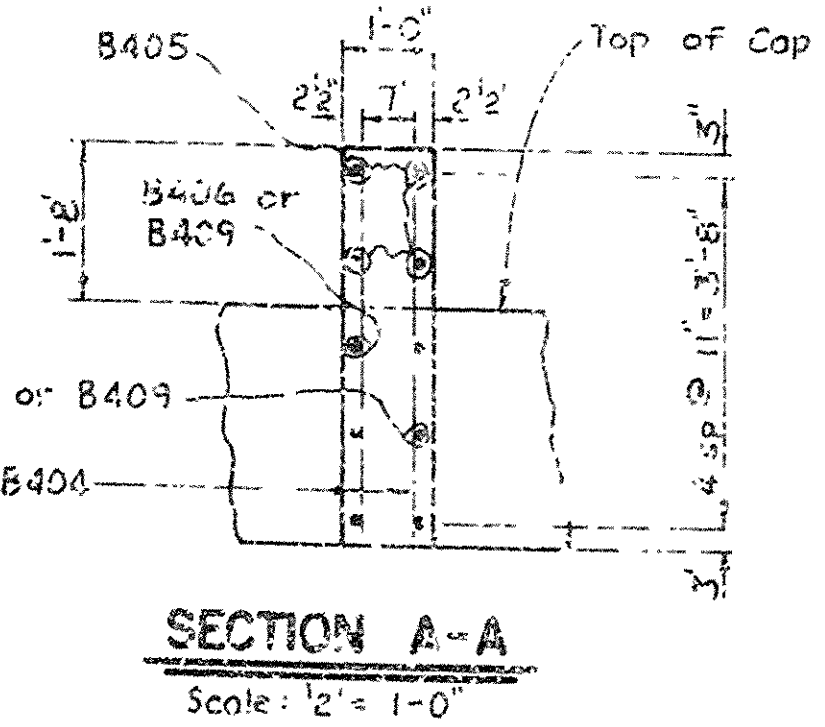
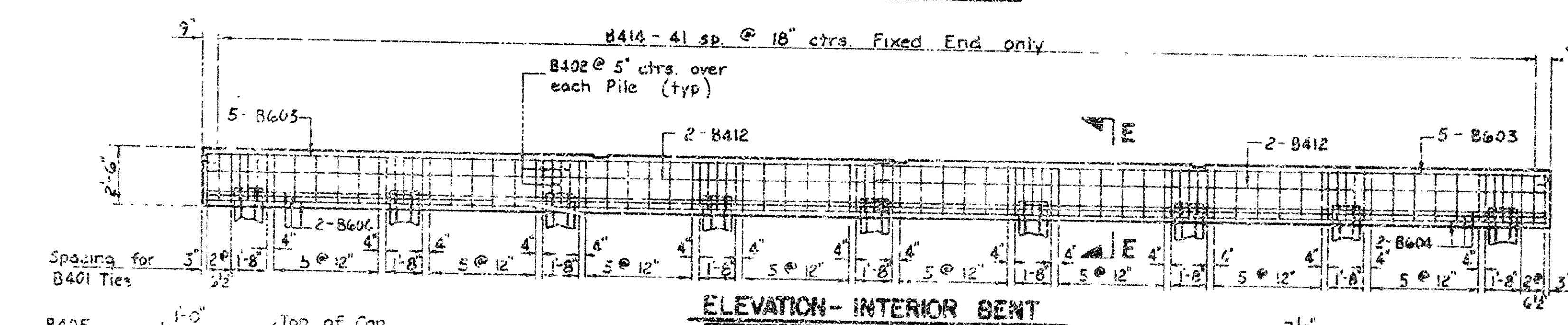
LIVE LOADING: HS20

UNIT STRESSES: f_c = COMPRESSIVE STRENGTH OF CLASS "S" CONCRETE = 3500 PSI.
 f_y = YIELD STRENGTH OF REINFORCING STEEL = 60,000 PSI

METHOD OF DESIGN: LOAD FACTOR

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1972, AND APPLICABLE SPECIAL PROVISIONS.

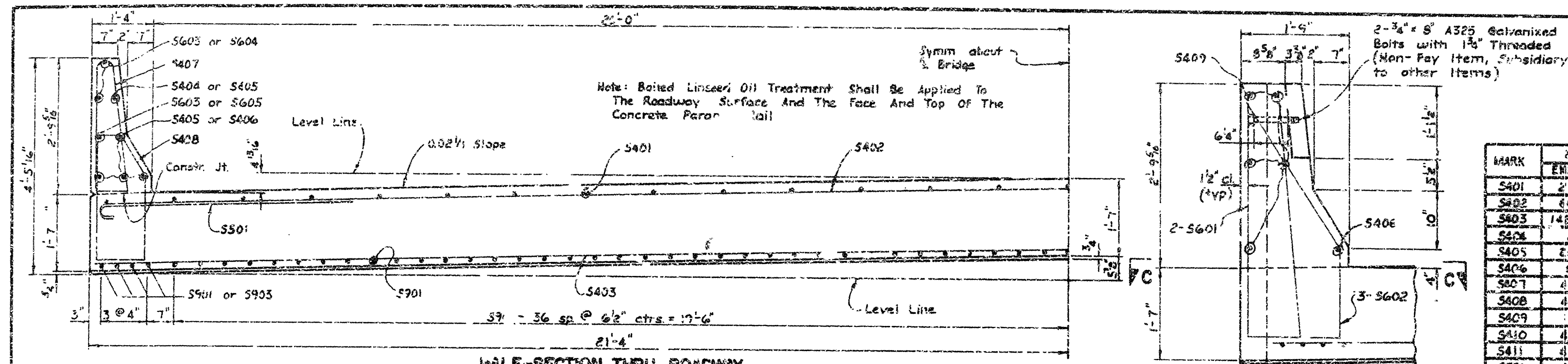
DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1973 EDITION, WITH INTERIM SPECIFICATIONS (1974 thru 1977).



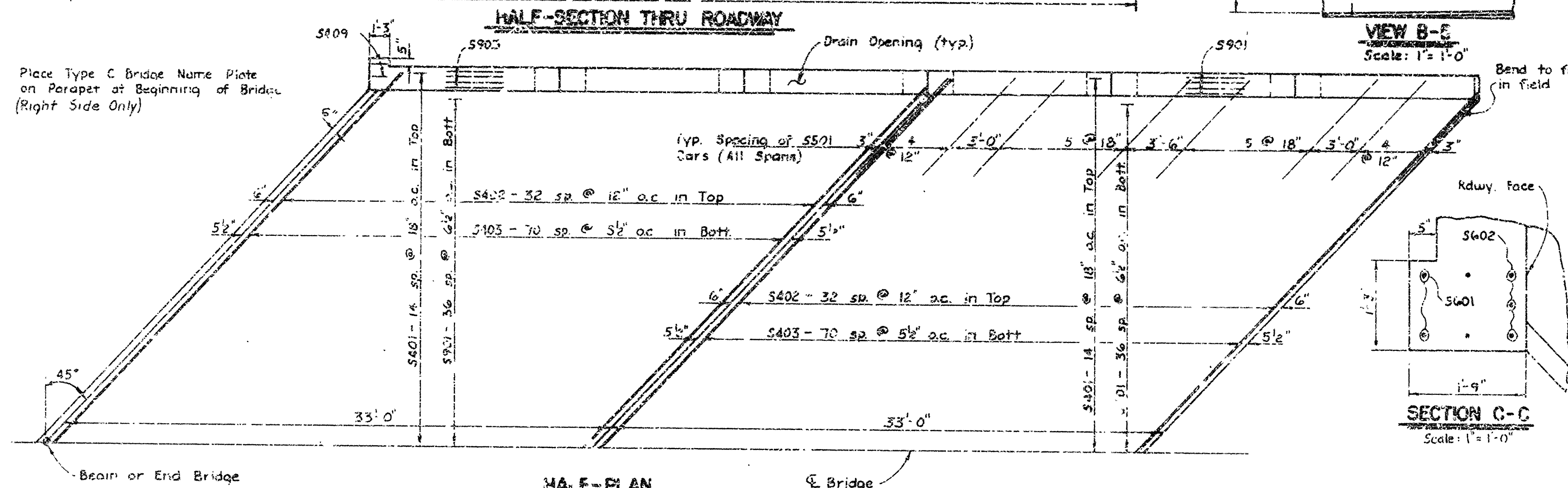
<u>QUANTITIES</u>		
Bent Type	Class S Concrete	Reinforcing Steel
End Bent	13.90 yd ³	1722 lb
Int. Bent (Fix-Exp)	13.21 yd ³	1783 lb
Int. Bent (Fix-Fix)	13.21 yd ³	1853 lb

DETAILS OF STANDARD PILE BENTS
33'-0" R.C. SLAB SPANS
40'-0" CL. ROWY. 45° SKEW (LT. FWD.)
CONCRETE PARAPET RAIL

ROUTE 25 SEC. 7
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: TEB DATE: 7-5-77
 CHECKED BY: BJM DATE: 7-28-77 SCALE: 1"=10' or as noted
 DESIGNED BY: BJM DATE: Apr 77
 BRIDGE NO. 5727 DRAWING NO. 21337



DATE ENTERED	DATE FILED	DATE MAILED	DATE RECORDED	FILED NO.	STATE	FILED AND FILED NO.	SLAB NO.	TOTAL COUNT
				6	ARK			
				JOB NO.		10734	21	49
				5727	SLAB SPAN		1338	



MARK	NO. REQ'D		LENGTH	PIN DIA	BENDING DIAGRAMS
	END	INT.			
S401	29	29	32'-8"	Str.	
S402	66	66	31'-4"	3"	
S403	142	142	30'-10"	Str.	
S404	2	-	10'-4"	Str.	
S405	20	30	10'-6"	Str.	
S406	8	-	11'-2"	Str.	
S407	14	48	7'-5"	2"	
S408	44	48	7'-5"	2"	
S409	0	-	11'	Str.	
S410	48	68	3'-5"	2"	
S411	48	48	6'-4"	2"	
S501	44	44	6'-7"	3 3/4"	
S601	5	-	8'-1"	3 3/4"	
S602	6	-	4'-7"	3 3/4"	
S603	12	12	10'-8"	Str.	
S604	4	-	10'-4"	Str.	
S605	2	-	11'-4"	Str.	
S901	73	81	32'-8"	Str.	
S902	8	-	33'-4"	Str.	

Dimensions are out to out of Bars

GENERAL NOTES

ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

BAR SUPPORTS FOR REINFORCING BARS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "REINFORCING STEEL."

ROOFING FELT, BITUMINOUS FELT, PREFORMED JOINT, SYNTHETIC POLYMER JOINTS AND STRUCTURAL STEEL SHALL BE MEASURED AND PAID FOR AS CLASS (SAE) CONCRETE.

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1972, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1973 EDITION WITH INTERIM SPECIFICATIONS (1974 THRU 1977).

LIVE LOAD: HS20

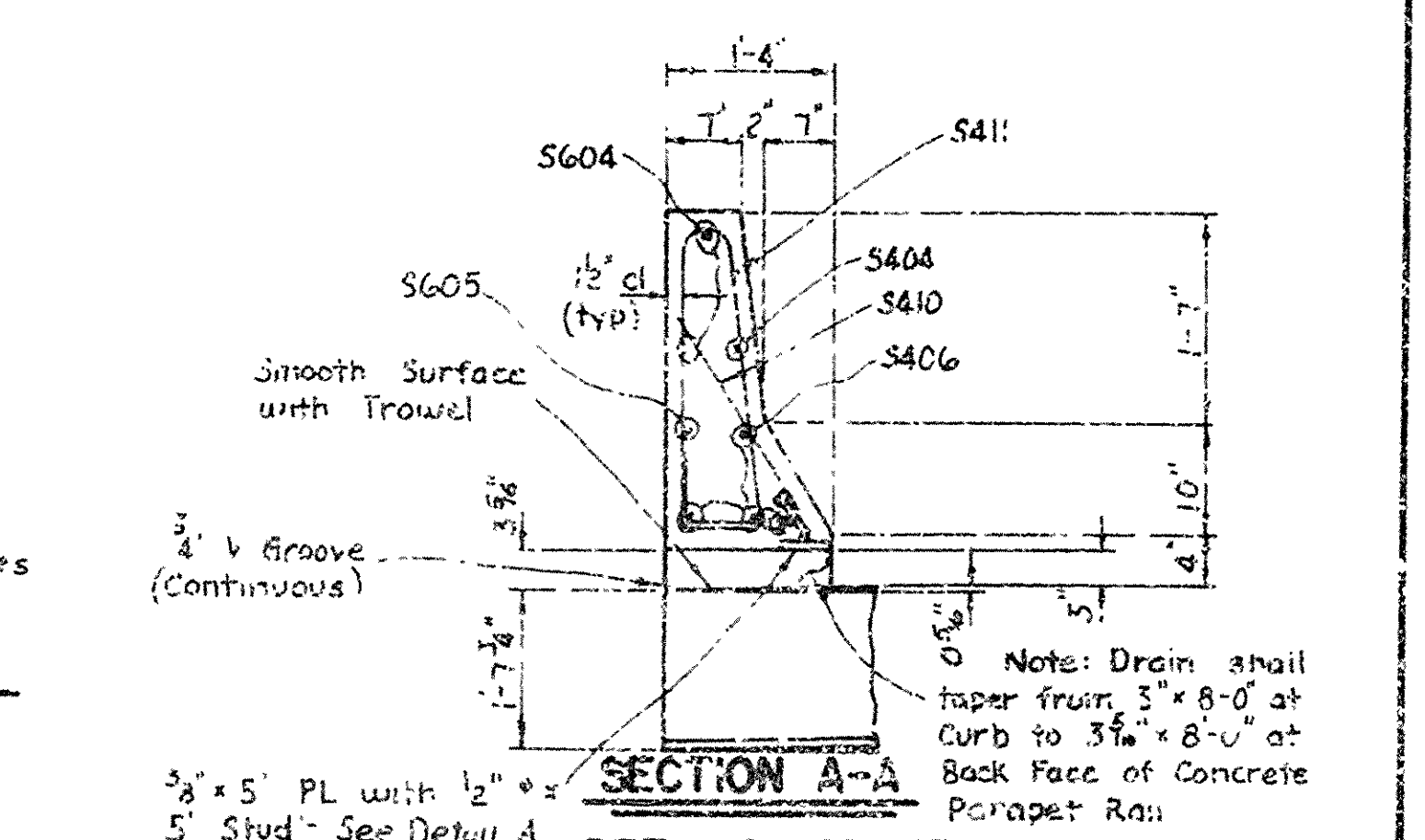
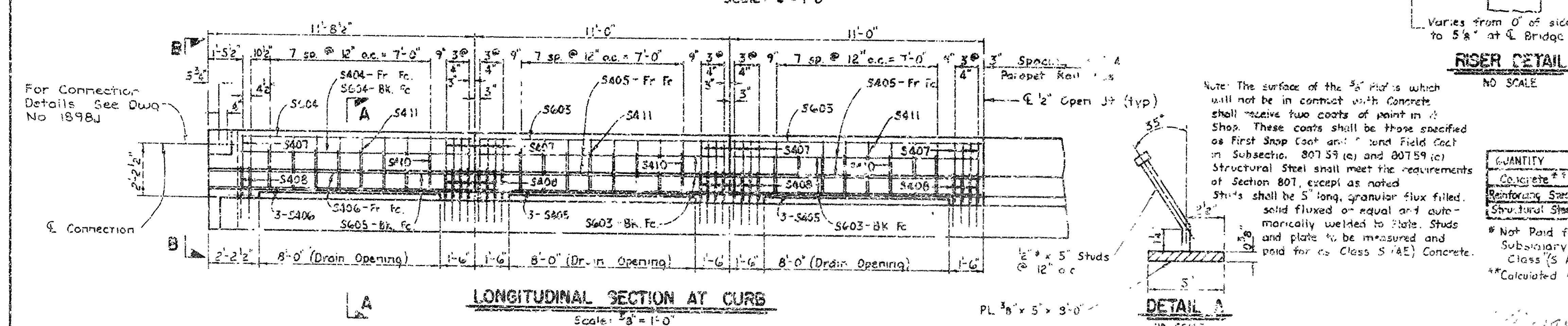
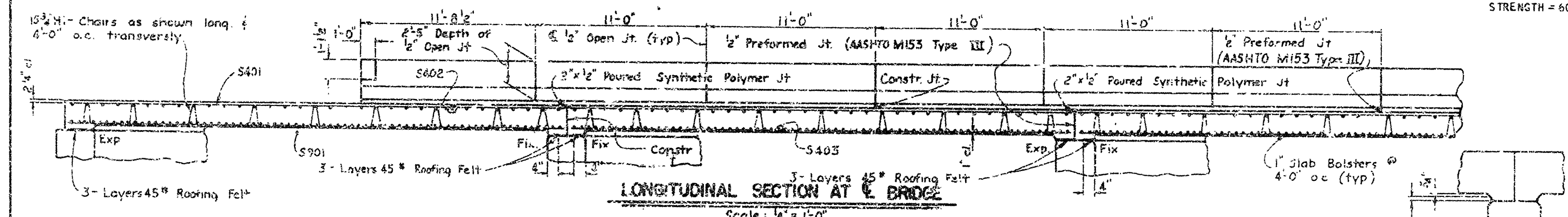
METHOD OF DESIGN: LOAD FACTOR

LOAD DISTRIBUTION TO SLAB:

DEAD LOAD: 277 PSF
LIVE LOAD: 168 WHEELS/FT. OF W. PLUS 30% IMPACT

CONCRETE: ALL CONCRETE SHALL BE CLASS (SAE) WITH A MINIMUM 28 DAY COMPRESSIONIVE STRENGTH $f'_c = 3500$ PSI.

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



QUANTITY	END SPAN	INT SPAN
Concrete * *	87.95 yd ³	87.14 yd ³
Reinforcing Steel	15600 lb.	15323 lb.
Structural Steel	323 lb	323 lb

* Not Paid for Directly,
 Subsidiary to the Item
 Class (S AE) Concrete
 ** Calculated for 2' 4" caps

ROUTE 25 SEC. 7
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWING BY: TEB DATE: 6-28-77
 CHECKED BY: BJM DATE: 6-7-77
 DRAWN BY: BJM DATE: APR 77
 SCALE: 3/4" = 1'-0" or as noted
 BRIDGE NO. 5727 DRAWING NO. 21338