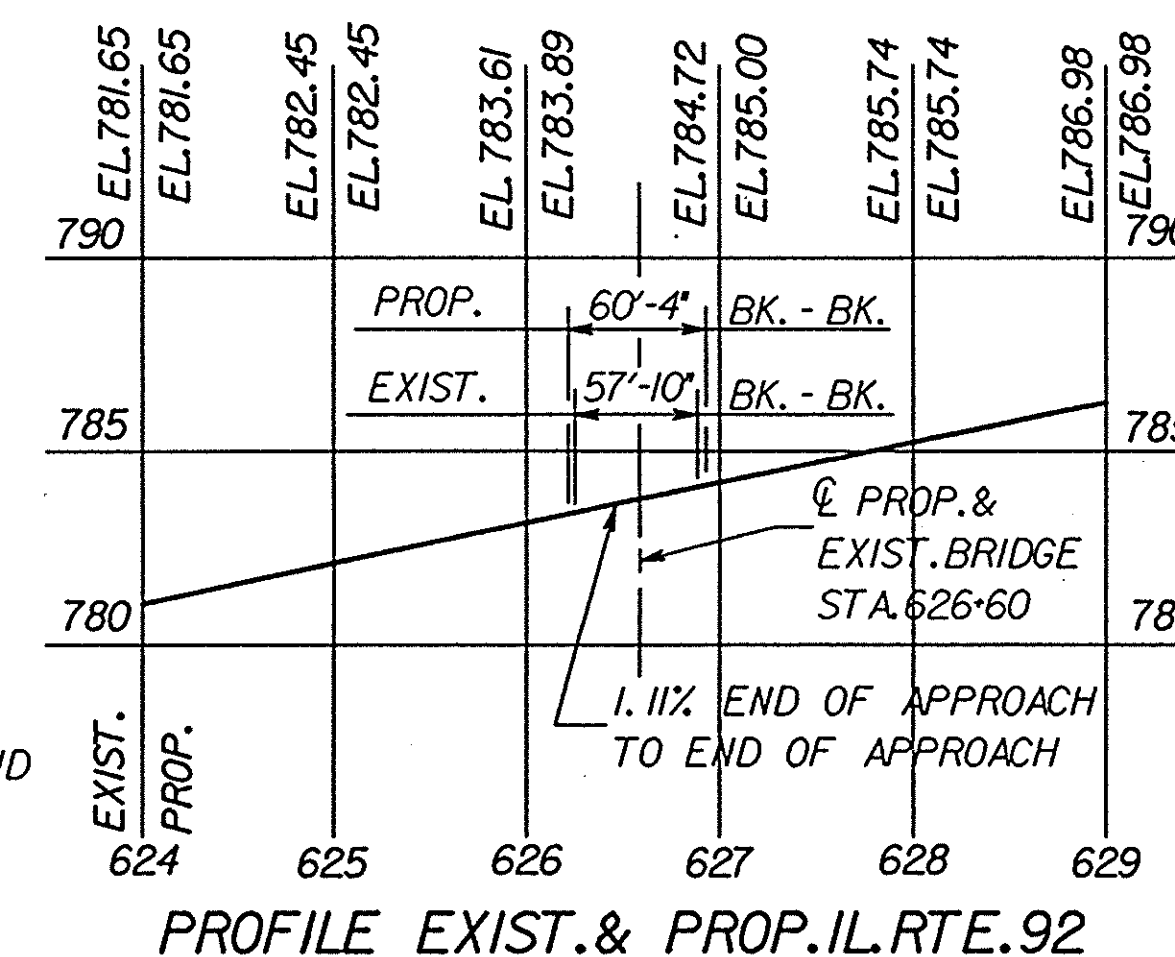
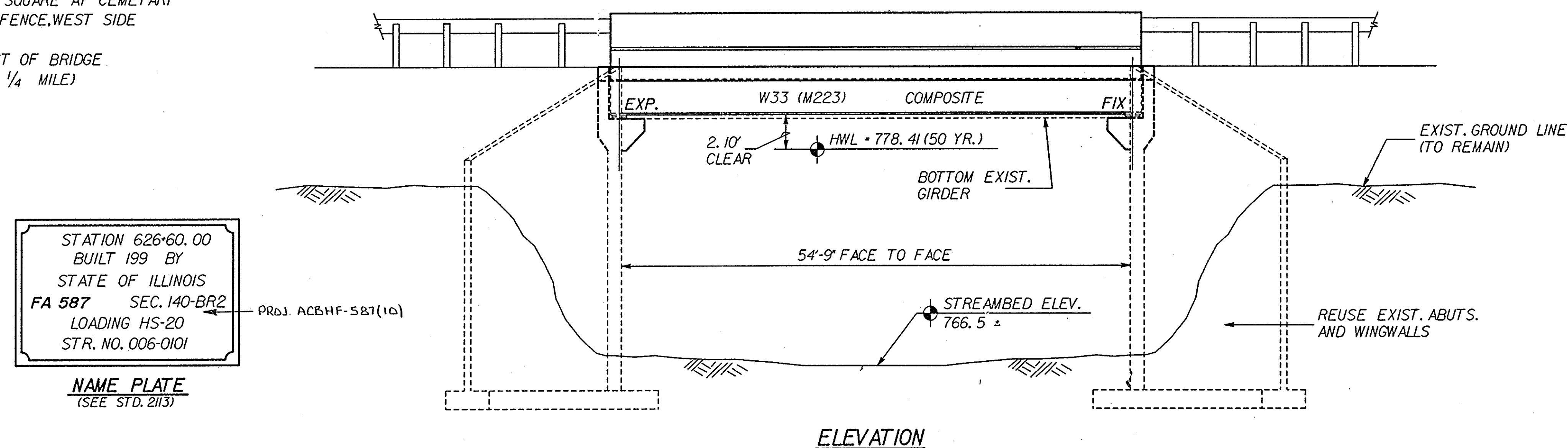
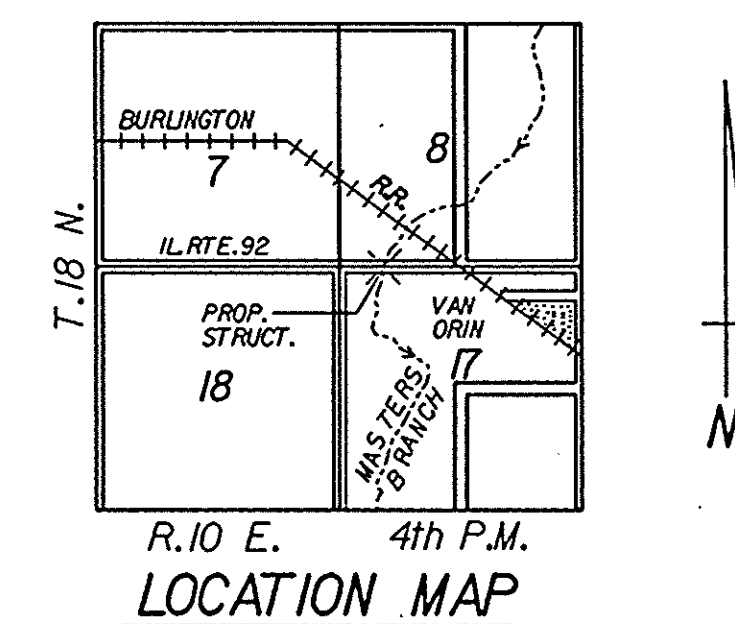


B.M. = CHISELED SQUARE AT CEMETARY
ENTRANCE AT FENCE, WEST SIDE
ELEV. 802.28
(CEMETARY EAST OF BRIDGE
APPROXIMATELY 1/4 MILE)

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / OF 14 SHEETS
FA 587	140-BR2	BUREAU	24	8	
STA. 623+30			TO STA. 629+90		
FED. ROAD DIST. NO.		ILLINOIS PROJECT			



NOTE: MATCH EXIST.
PROFILE GRADE @ END
OF BIT. TAPERS

CONSTRUCTION SPECIFICATIONS

STATE OF ILLINOIS STANDARD SPECIFICATIONS
FOR ROAD AND BRIDGE CONSTRUCTION
ADOPTED JULY 1, 1989

STRUCTURE NUMBER
006-0101 (EXIST)

DESIGN STRESSES

$$f'_c = 3,500 \text{ psi}$$
$$f_y = 60,000 \text{ psi} \quad (\text{REINFORCEMENT})$$

$F_y = 50,000 \text{ psi}$ (STRUCTURAL AASHTO
M223 GRADE 50)

DESIGN LOADING - HS 20-44 (NEW CONSTR.)

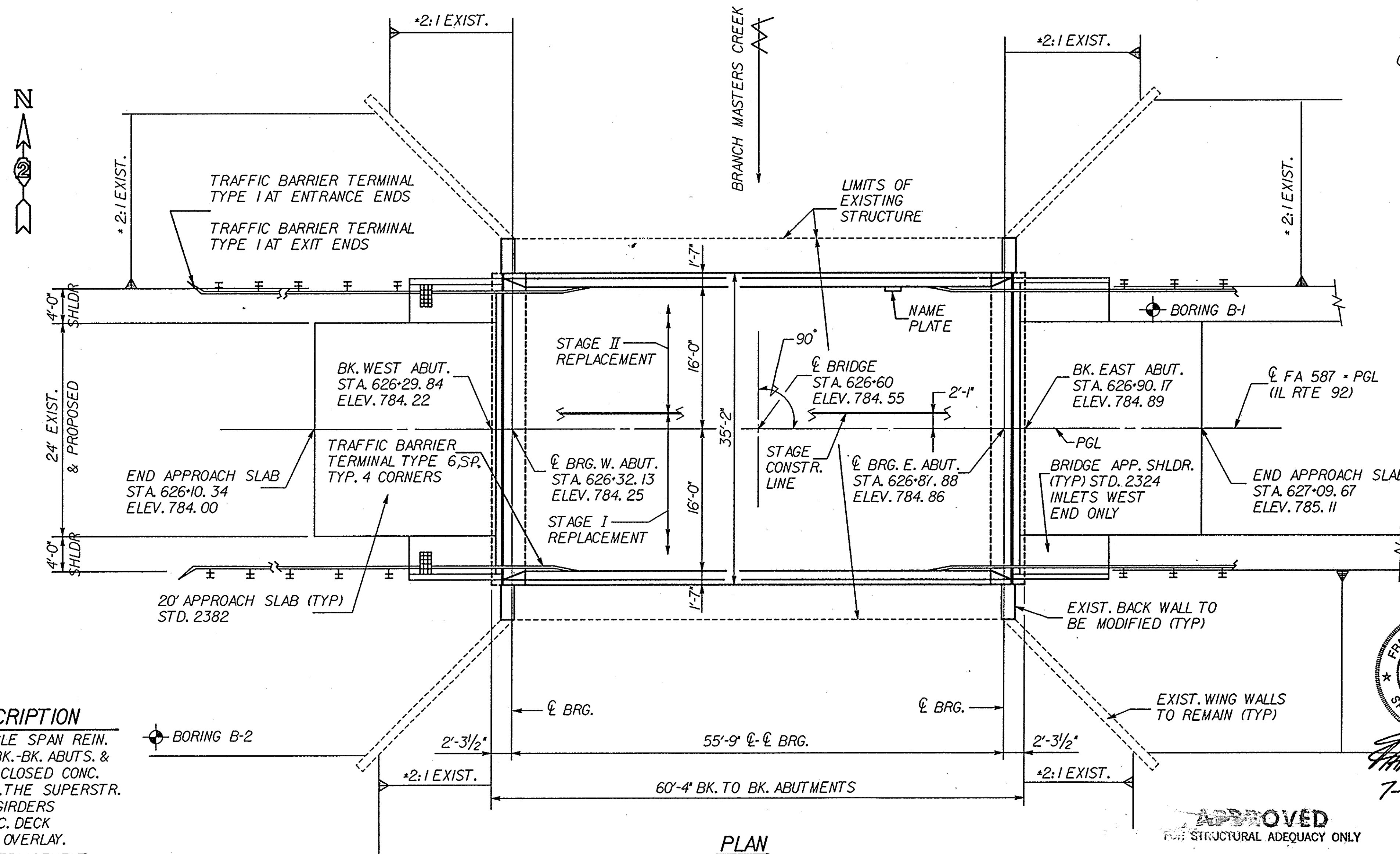
DESIGN SPECIFICATIONS - 1989 AASHTO

25 psf ALLOWANCE FOR FUTURE WEARING SURFACE

EXIST. BRIDGE DESCRIPTION

THE EXIST. BRIDGE IS A SINGLE SPAN REIN. CONC. BRIDGE APPROX. 57'-10" BK.-BK. ABUTS. & 43'-4" WIDE. THE BRIDGE HAS CLOSED CONC. ABUTS. BRG. ON TIMBER PILES. THE SUPERSTR. CONSISTS OF 8 REIN. CONC. GIRDERS SUPPORTING A 7 1/2" THICK CONC. DECK THAT HAS AN ASPHALT CONC. OVERLAY.

EXIST. STRUCTURE NO.006-0101



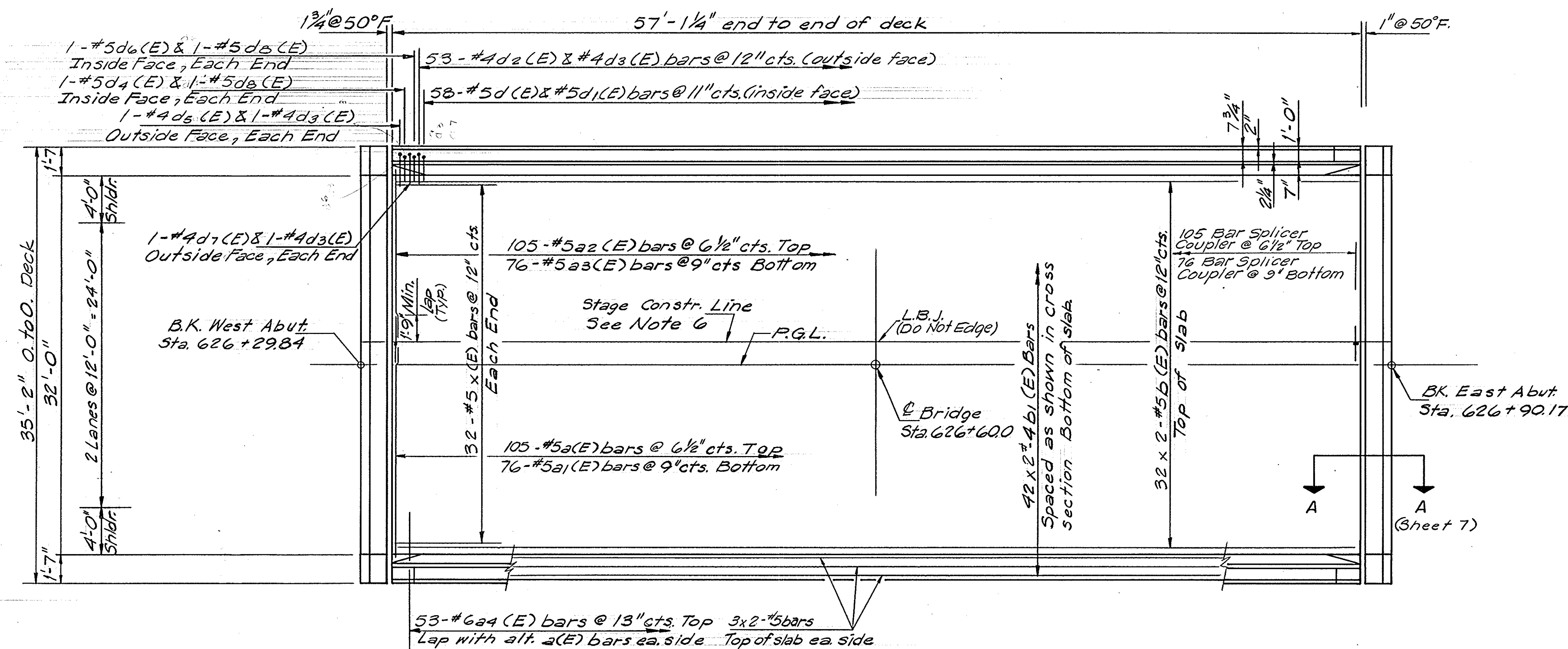
APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
Engineer of Bridges and Structures

REVISIONS		
NO.	BY	DATE

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 587	140-BR2	BUREAU	24	13
STA. 623+30 TO STA. 629+90			PROJECT	
FED. ROAD DIST. NO.			ILLINOIS	

Sheet No. 6
of 14 Sheets



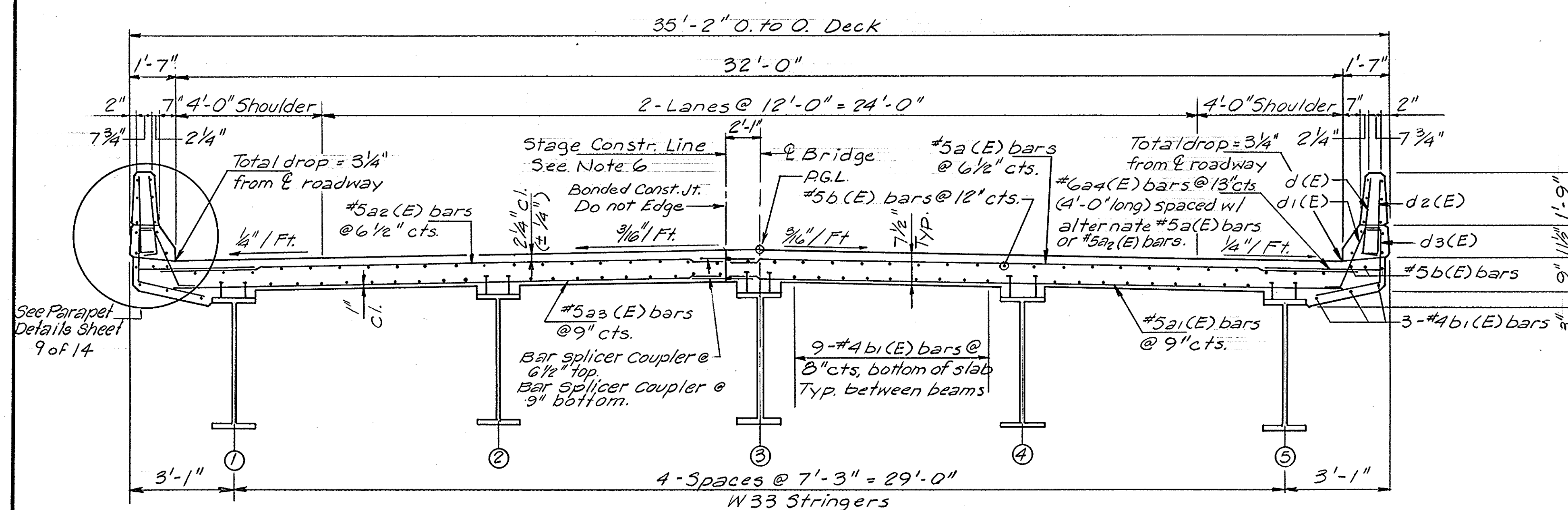
DECK PLAN

MINIMUM BAR LAPS

- #4 Bar = 1'-5"
- #5 Bar = 1'-9"
- #6 Bar = 2'-1"
- #8 Bar = 3'-8"

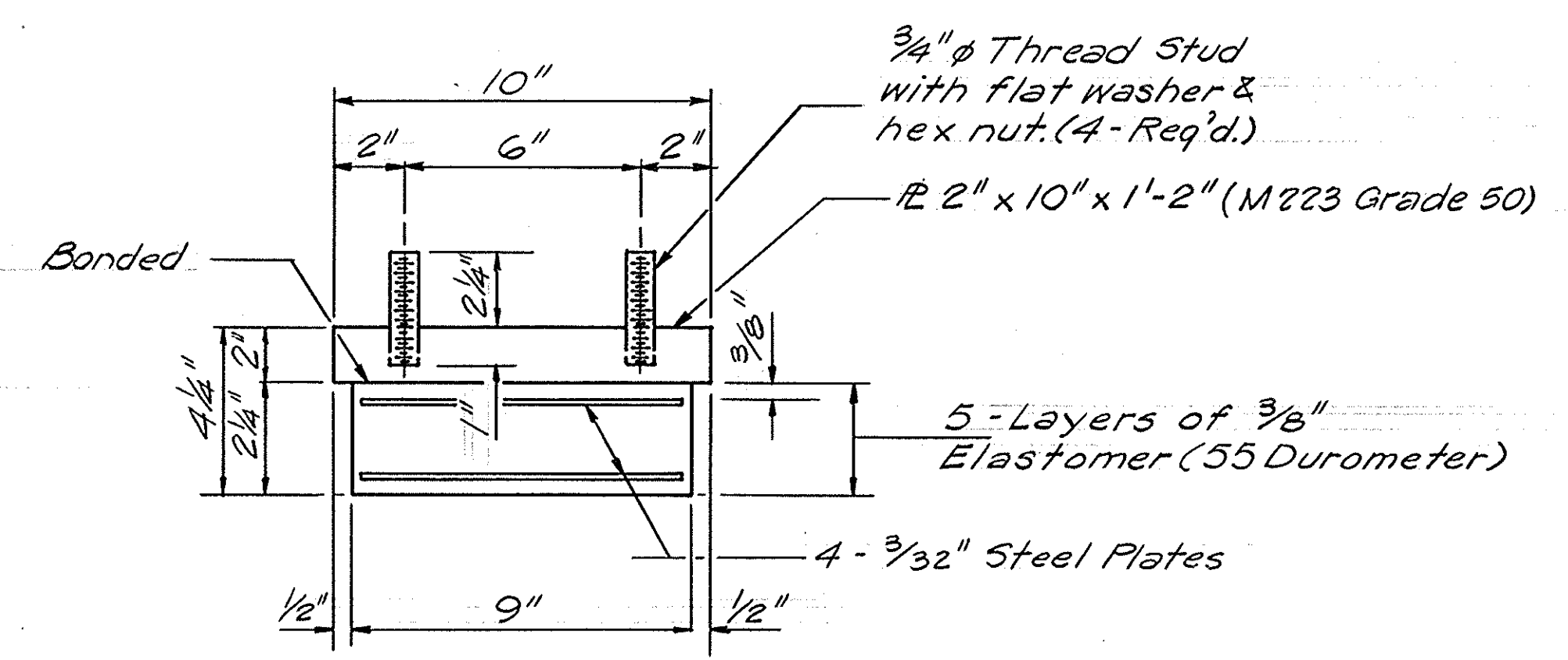
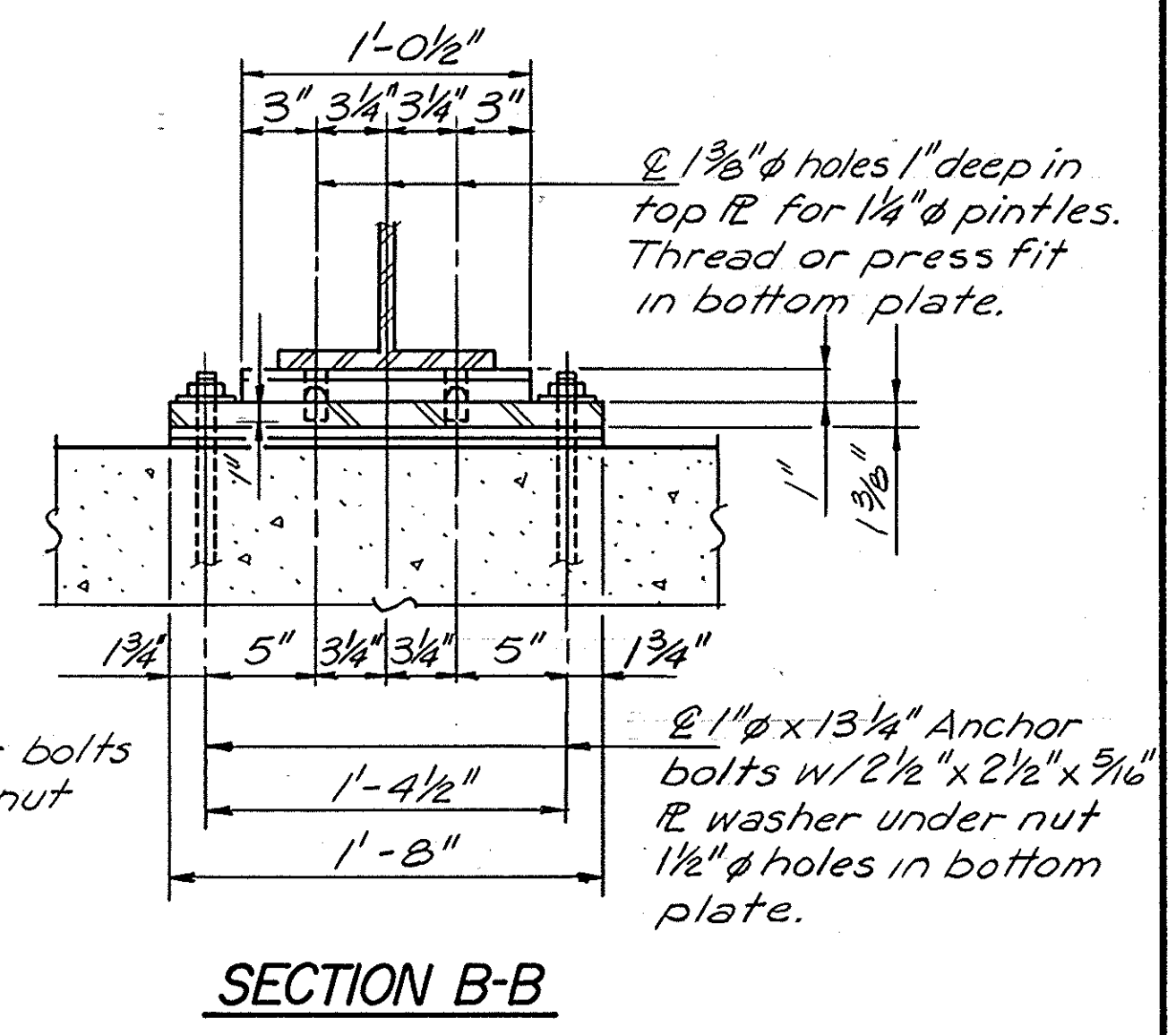
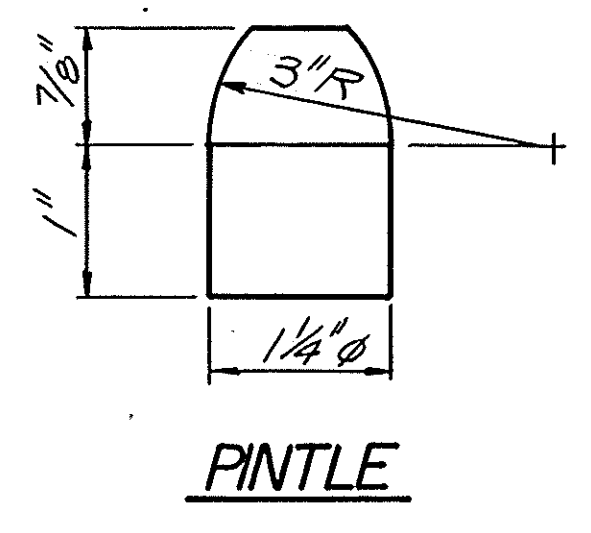
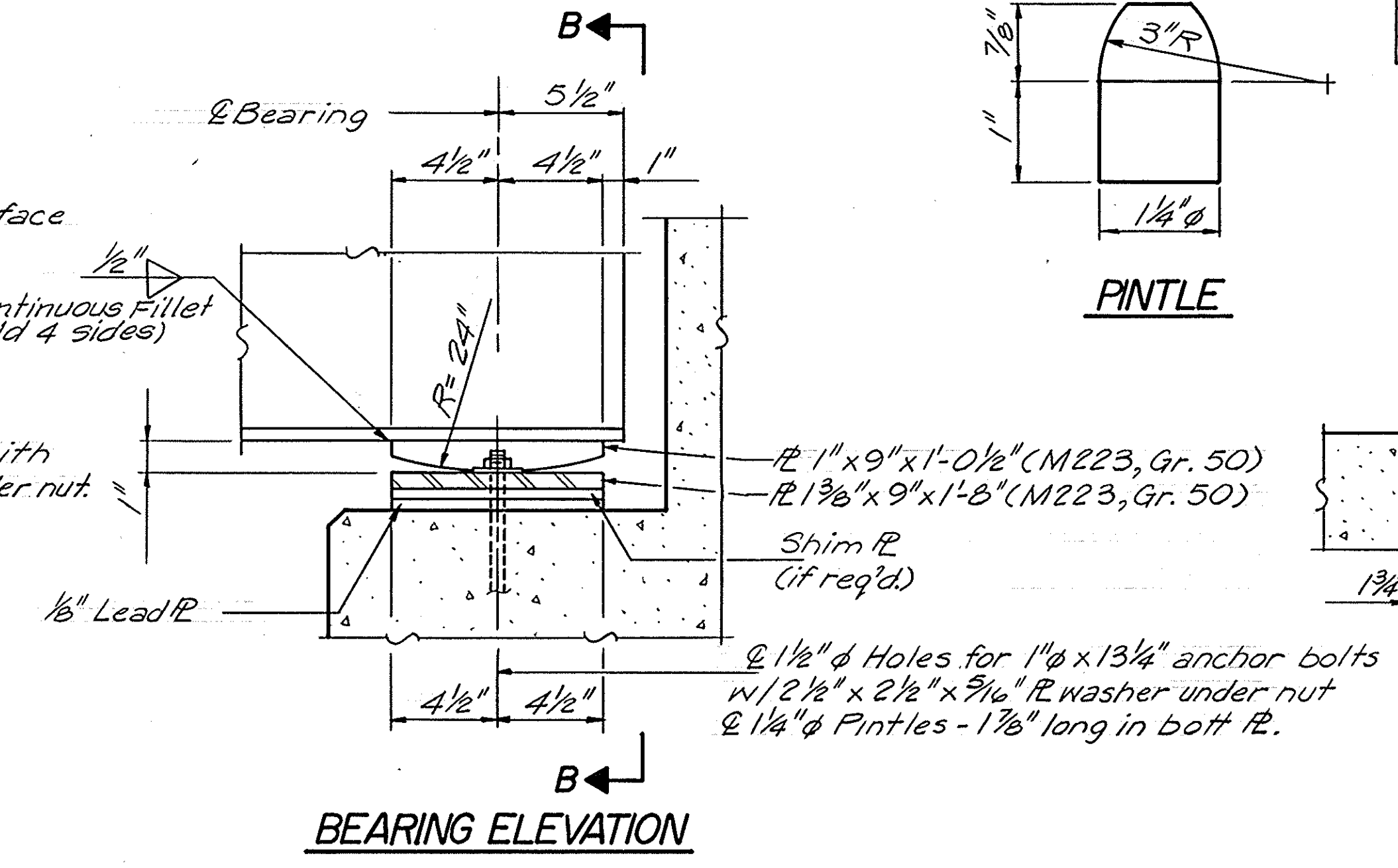
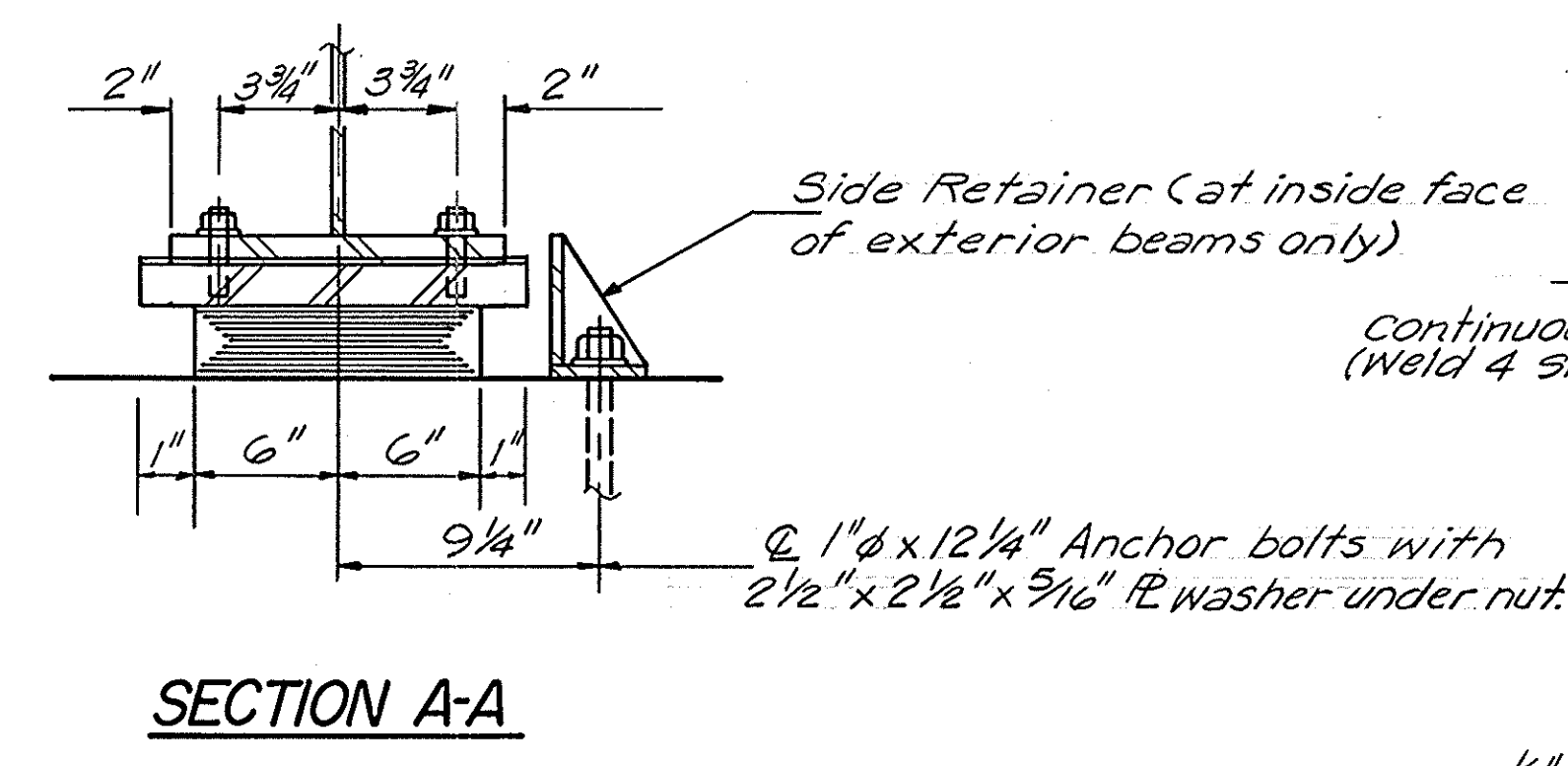
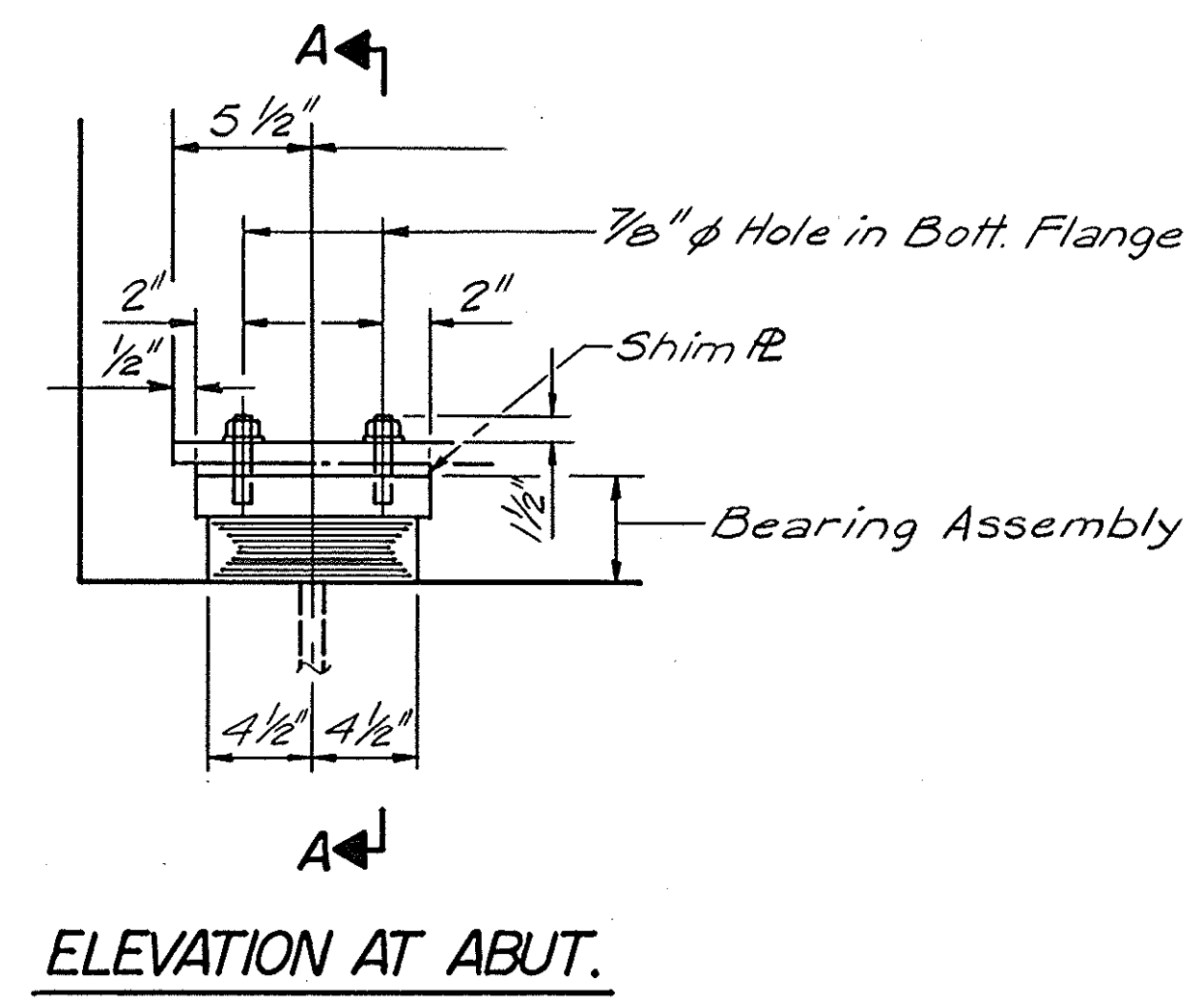
NOTES:

1. See Sheet No. 9 for superstructure details and Bill of Materials.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus 20 #5 etc. indicates 20 lines of bars with 3 lengths per line.
4. See Sheet No. 9 for parapet reinforcement.
5. See Sheet No. 9 for parapet elevations.
6. Bar Splicers (E) shall be tied with double the number of ties normally used.
7. For Bar Splicer Coupler, see sheet 8.



TYPICAL CROSS SECTION

REVISIONS			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	BY	DATE		
			BUREAU COUNTY FA 587 (IL. RT. 92) OVER BRANCH OF MASTERS CREEK SECTION 140-BR2 STA. 626+60 SN 006-0101 SUPERSTRUCTURE	
DESIGNED BY	J.J.F.		CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO	SCALE NONE
DRAWN BY	SPM			JOB NO.
CHECKED BY	F.J.P.			8766-04
APPROVED BY	F.J.P.			DATE 3-90
				SHEET OF SHEETS



Note: Quantities for fixed bearing assembly are included in calc. weight of structural steel.
Wt. = 5 (32 + 70) = 510*

FIXED BEARING AT EAST ABUTMENT
TOTAL NO. REQ'D = 5

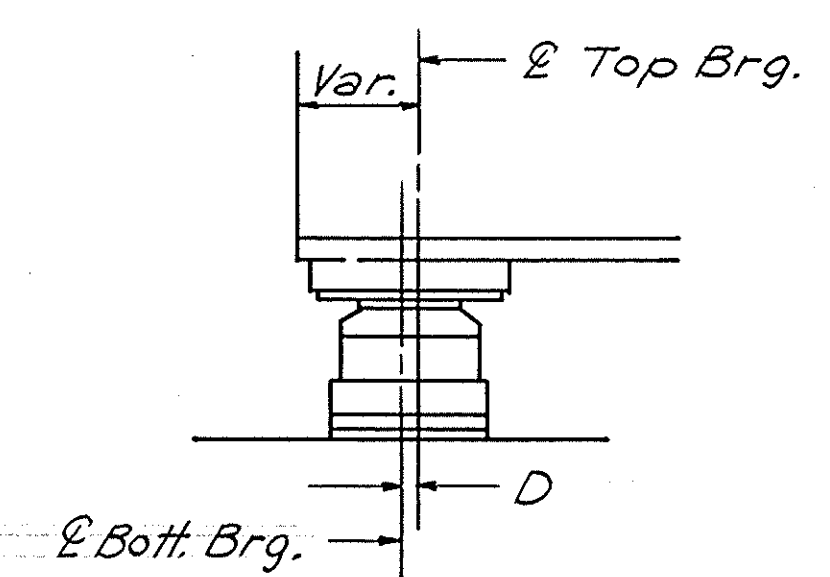
BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.

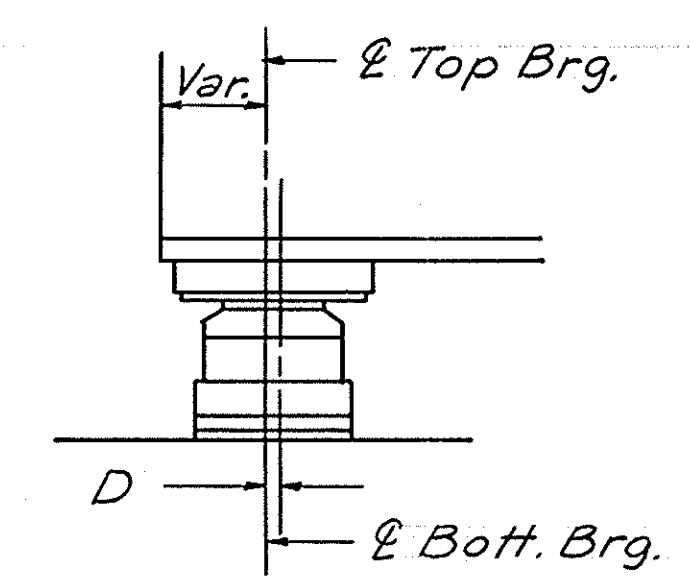
TYPE I ELASTOMERIC BEARINGS AT WEST ABUTMENT

BILL OF MATERIAL

ITEM	UNIT	NO. REQ'D.
Elastomeric Assembly, Type I	Each	5



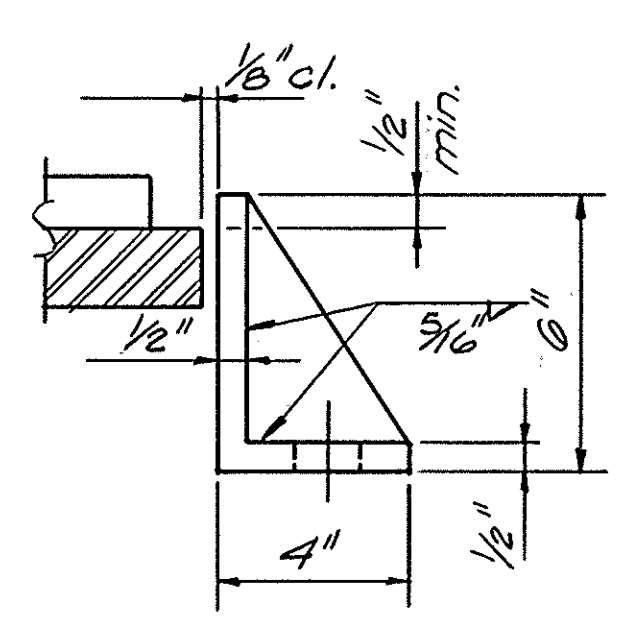
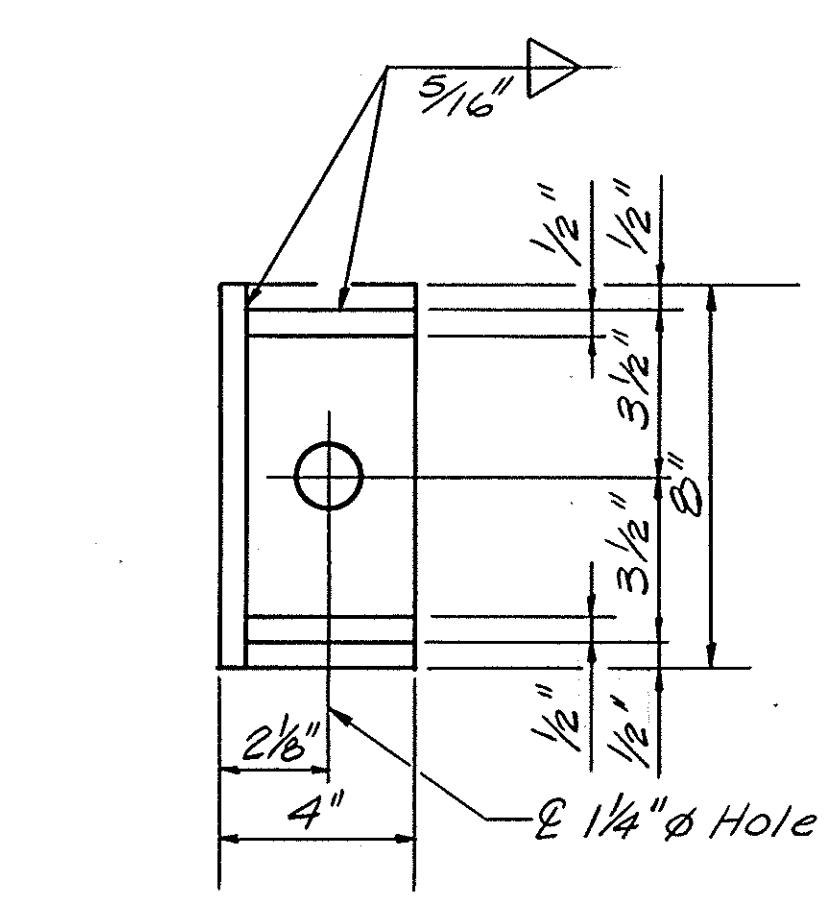
BELOW 50 F.
(Move bott. brg. away from fixed bearing)



ABOVE 50 F.
(Move bott. brg. towards fixed bearing)

SETTING ANCHOR BOLTS AT EXP. BEARING

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50° fahrenheit



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

NOTES

- 1) Thread studs shall be at right angles to surfaces of plates, typ. all bearings.
- 2) After beams have been erected, holes at expansion bearings shall be drilled and anchor bolts grouted in place. Anchor bolts at fixed bearings may be built into the masonry. See Sheet 12 of 14 for anchor bolt installation.

REVISIONS			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	BY	DATE		
			BUREAU COUNTY FA 587 (IL. RT. 92) OVER BRANCH OF MASTERS CREEK SECTION 140-BR 2 STA. 626+60 SN 006-0101 BEARING DETAILS	
DESIGNED BY	J J F		CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO	SCALE NONE
DRAWN BY	SPM			JOB NO.
CHECKED BY	F J P			8766-04
APPROVED BY	F J P			DATE 3/90
				SHEET OF SHEETS