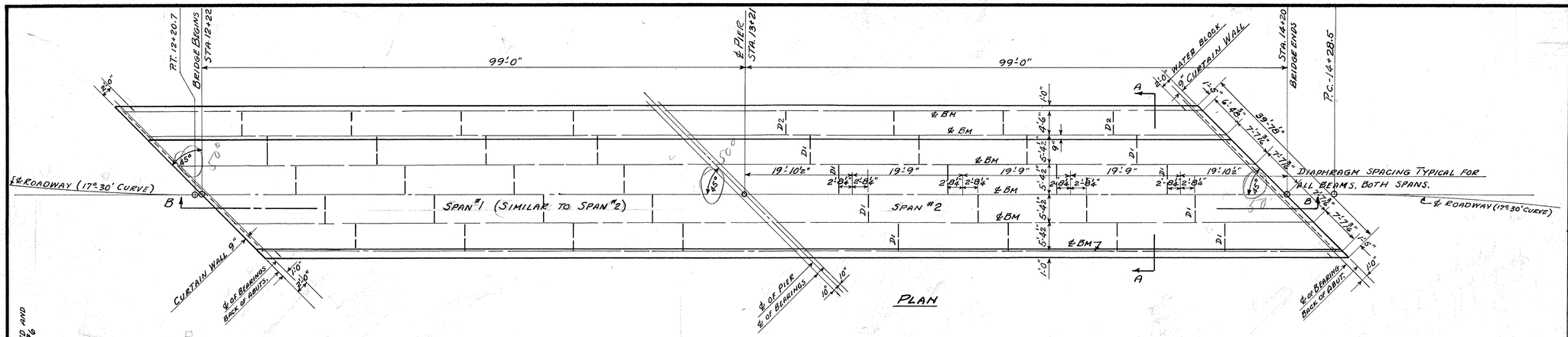


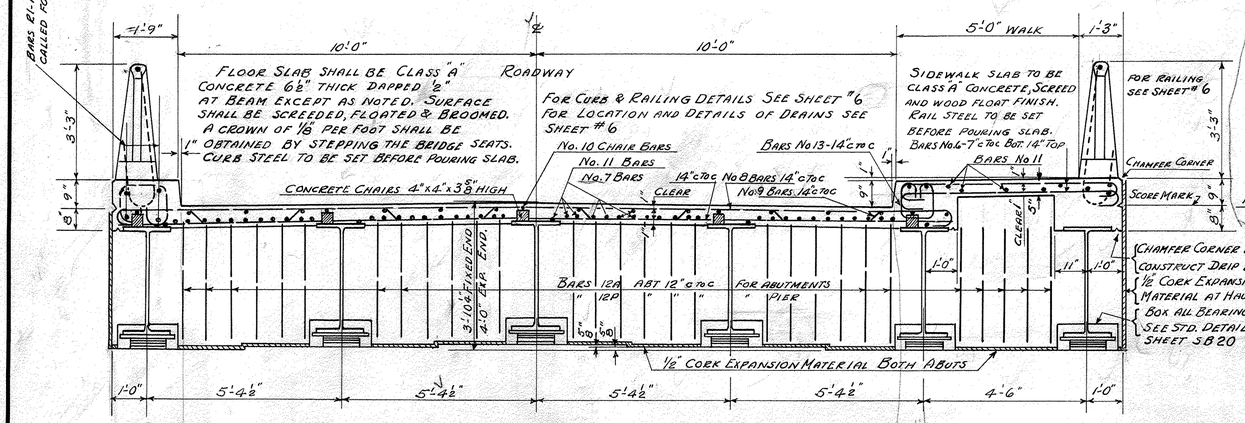
REINFORCING STEEL (FOR ONE SPAN)				
BAR	SIZE	REQ'D.	T.L.	DETAIL
6	5/8"φ	256	7'-4"	R=2" 4" 5'-7" FOR #6 4" 22'-10" " #8
8	"	86	24'-7"	
7	5/8"φ	86	22'-10	STRAIGHT
7A	5/8"φ	36	21'-0"	STRAIGHT
9	5/8"φ	85	25'-8"	R=2" SYMM. ABT. ℄ 1'-10 3/8 2'-4 3/8 2'-4 3/8 2'-4 3/8 1'-2 11'-5"
10	3/4"φ	15	34'-0"	STRAIGHT
11	1/2"φ	216	34'-0"	STRAIGHT.
12A	3/8"φ	29	7'-8"	3'-4" FOR 12A
12P	3/8"φ	29	5'-11"	2'-5 1/2" " 12P
13	5/8"φ	85	3'-11"	3" R=2" 6" 8"
14	1"φ	11	6'-0"	SMOOTH ROUND BARS. WRAP ONE END WITH PAPER.

FURNISH TRANSVERSE BARS AS FOR SQUARE SPAN. FOR SKEW ENDS:- CUT BARS IN FIELD TO FIT ONE SKEW END USING CUT OFF ENDS AT OPPOSITE END OF SPAN.

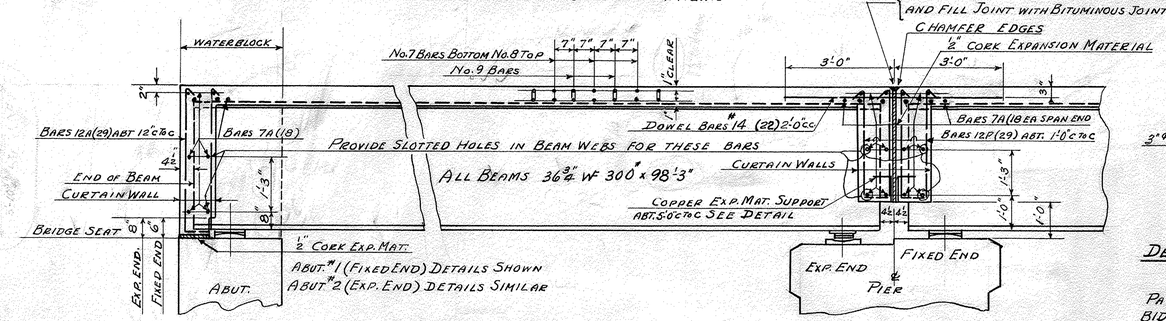
ALL LONGITUDINAL BARS TO BE PLACED PARALLEL TO THE CENTERLINE. ALL TRANSVERSE BARS NORMAL TO CENTERLINE, EXCEPT BARS 7A, WHICH ARE TO BE SET PARALLEL TO THE SKEW.

THE BAR 7A AT EACH SPAN END, WHICH IF EXTENDED, WOULD COME UNDER SIDEWALK SLAB, IS TO BE CUT OFF, USING THE CUT OFF END IN SIMILAR LOCATION IN SIDEWALK SLAB.

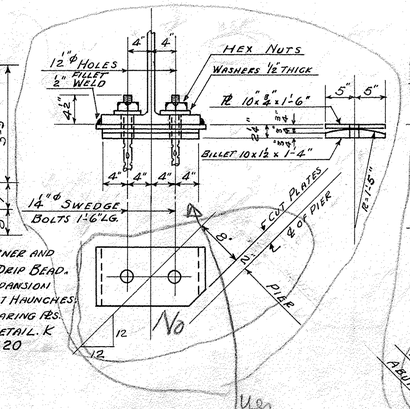
BARS R1-R2-R3 DETAILED AND CALLED FOR ON SHEET #6



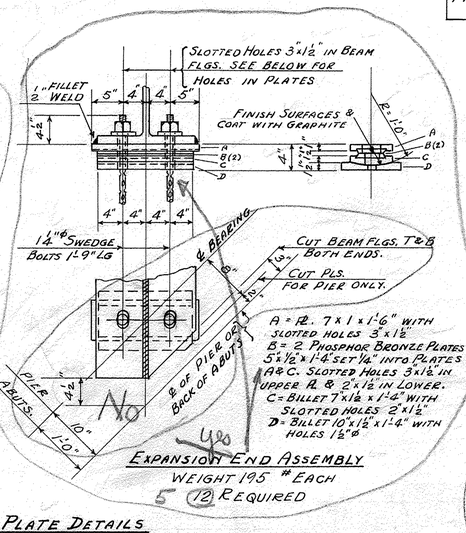
TYPICAL CROSS SECTION A-A
EXPANSION END ABUTMENT SHOWN
FIXED END ABUTMENT SIMILAR



PART LONGITUDINAL SECTION B-B

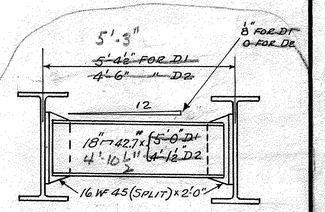


FIXED END ASSEMBLY
WEIGHT 124# EACH
5 (12) REQUIRED



EXPANSION END ASSEMBLY
WEIGHT 195# EACH
5 (12) REQUIRED

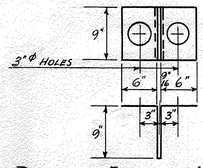
BEARING PLATE DETAILS
SCALE: 1" = 1'-0"



SHOP CONNECTIONS MAY BE RIVETED OR 100% ELECTRIC WELDED. FIELD CONNECTIONS SHALL BE 100% ELECTRIC WELDED. 4-1/2" φ BOLTS MAY BE USED AT EACH END FOR ERECTION.

DIAPHRAGMS TO BE PLACED AS SHOWN ON PLAN
~~32 - D1~~ REQUIRED 16
~~8 - D2~~ "

DETAIL OF DIAPHRAGMS



DETAIL OF EXPANSION MATERIAL SUPPORTS.
MATERIAL 20 OUNCE COPPER
9 REQUIRED
PAYMENT TO BE INCLUDED IN UNIT PRICE BID FOR CONCRETE CLASS "A"
SCALE: 1" = 1'-0"

NOTES

STEEL SUPERSTRUCTURE :- TO INCLUDE 6 (5) WF BEAMS, 12 (10) BEARING PLATES, AND 20 (16) DIAPHRAGMS PER SPAN.

CAMBER :- ALL BEAMS SHALL BE ROLLED TO A TRUE CIRCULAR CAMBER FOR THE FULL LENGTH OF THE BEAM. THE MIDDLE ORDINATE OF THE CAMBER TO BE 4 1/2".

PAINT :- ALL STRUCTURAL STEEL SHALL BE PAINTED AS SPECIFIED UNDER ITEM 43A-8 OF PAMPHLET E, STANDARD ROAD AND BRIDGE SPECIFICATIONS, STATE OF VERMONT, 1936. THE FINAL COAT OF PAINT SHALL BE GREEN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

QUANTITIES :- THIS SHEET INCLUDES QUANTITIES FOR BRIDGE FLOOR ONLY. FOR DETAILS AND QUANTITIES FOR CURB AND RAIL SEE SHEET No. 6 SB #5C
FOR LOCATION OF FIXED & EXPANSION BEARINGS SEE PLAN AND PROFILE SHEET No. 1

DRAINS :- ~~FOR DETAILS AND LOCATION SEE SHEET #6~~

ESTIMATED QUANTITIES

FOR BOTH SPANS		
CONCRETE CLASS "A"	143.6	C.Y.
REINFORCING STEEL	31,236	LBS.
STEEL SUPERSTRUCTURE	369,646	LBS.

SUPERSTRUCTURE DETAILS
MARKET BRIDGE
TUNBRIDGE
SCALE: 1/2" = 1'-0" EXCEPT NOTED.

Surveyed by	F. S. BARRETT
Designed by	J.G.G.
Drawn by	H.E.S.
Traced by	D.W.P.
Checked by	C.H.K.
Series ST. No.	199 L Filed
Sheet	5 of 17 Sheets