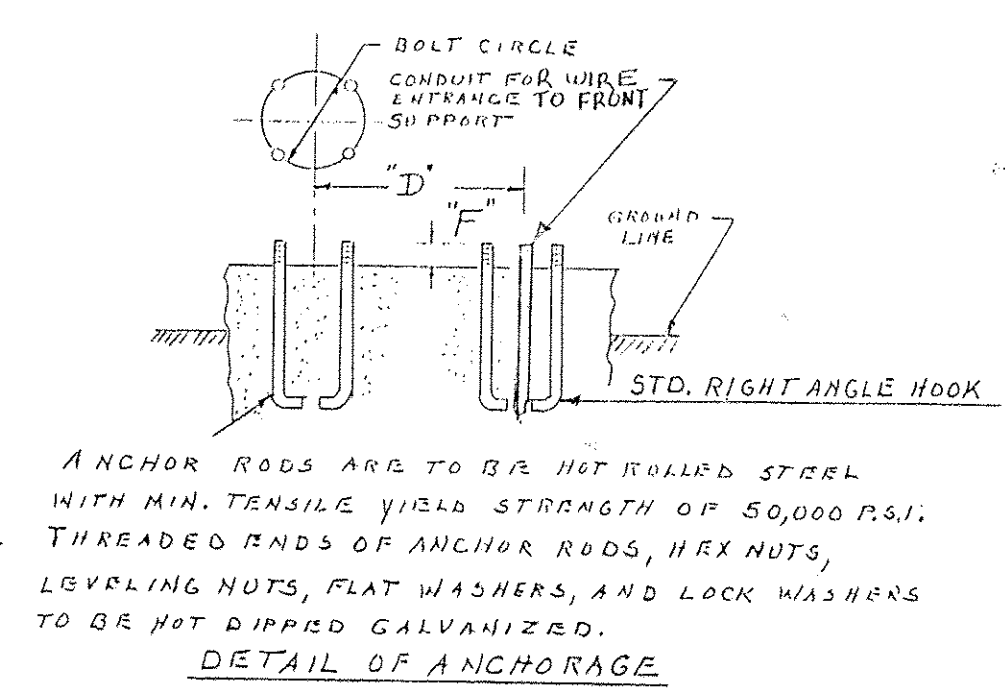
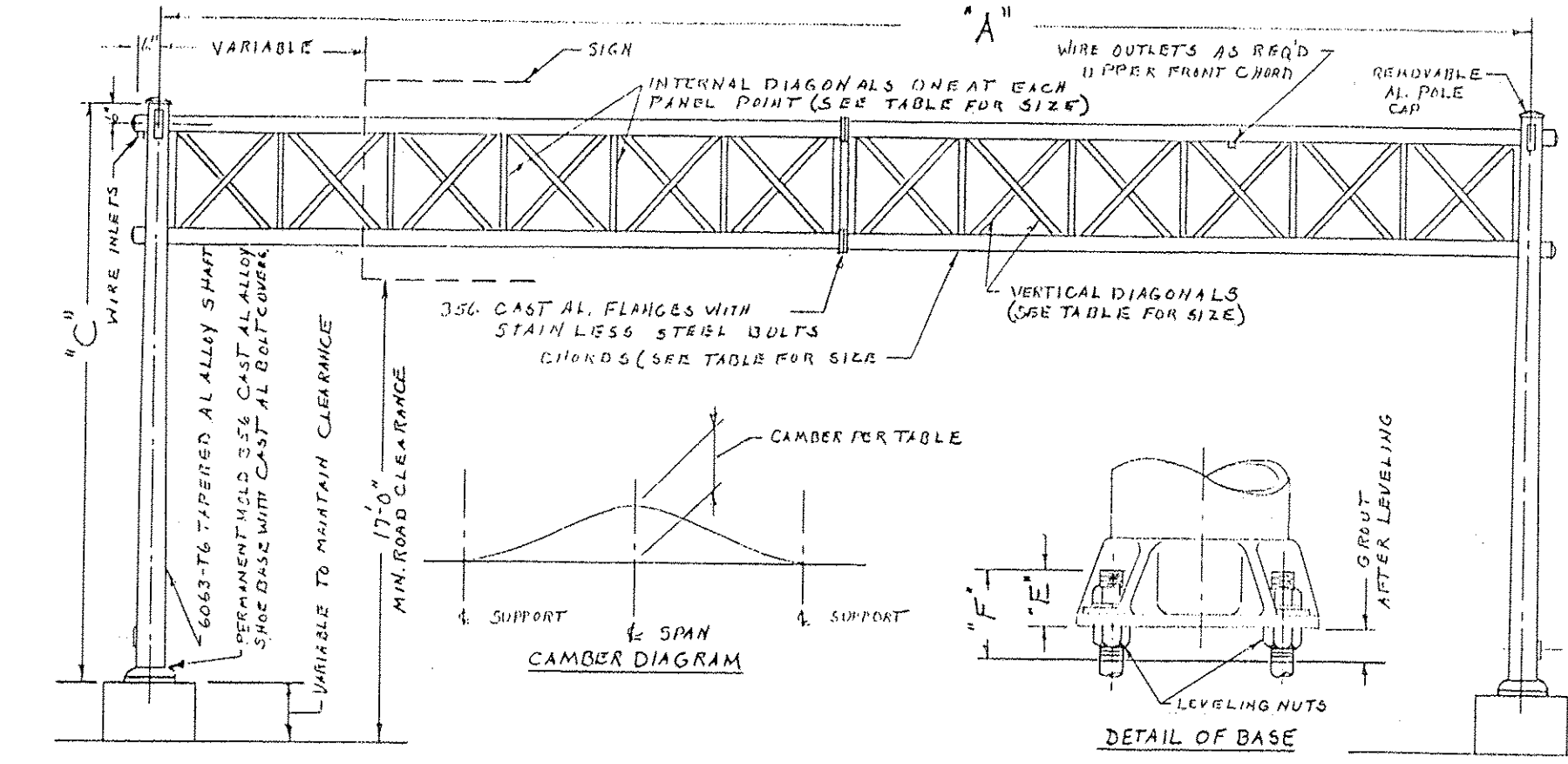
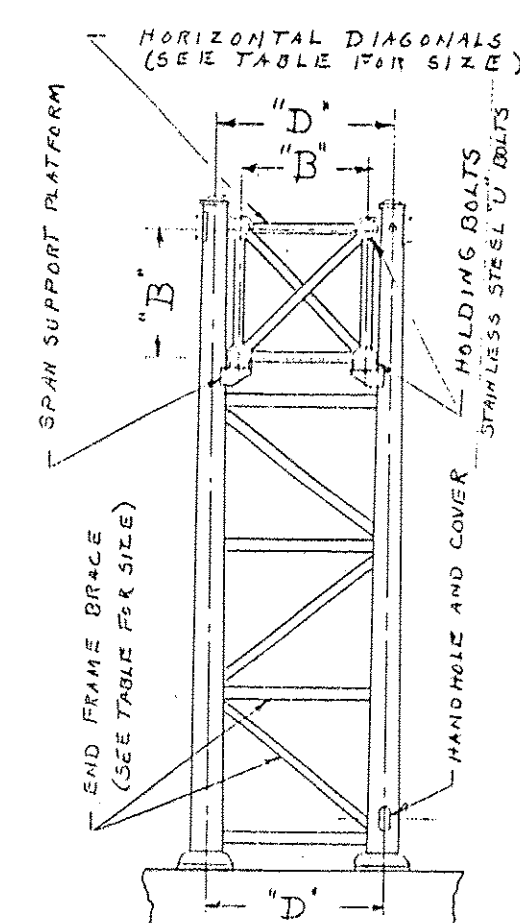
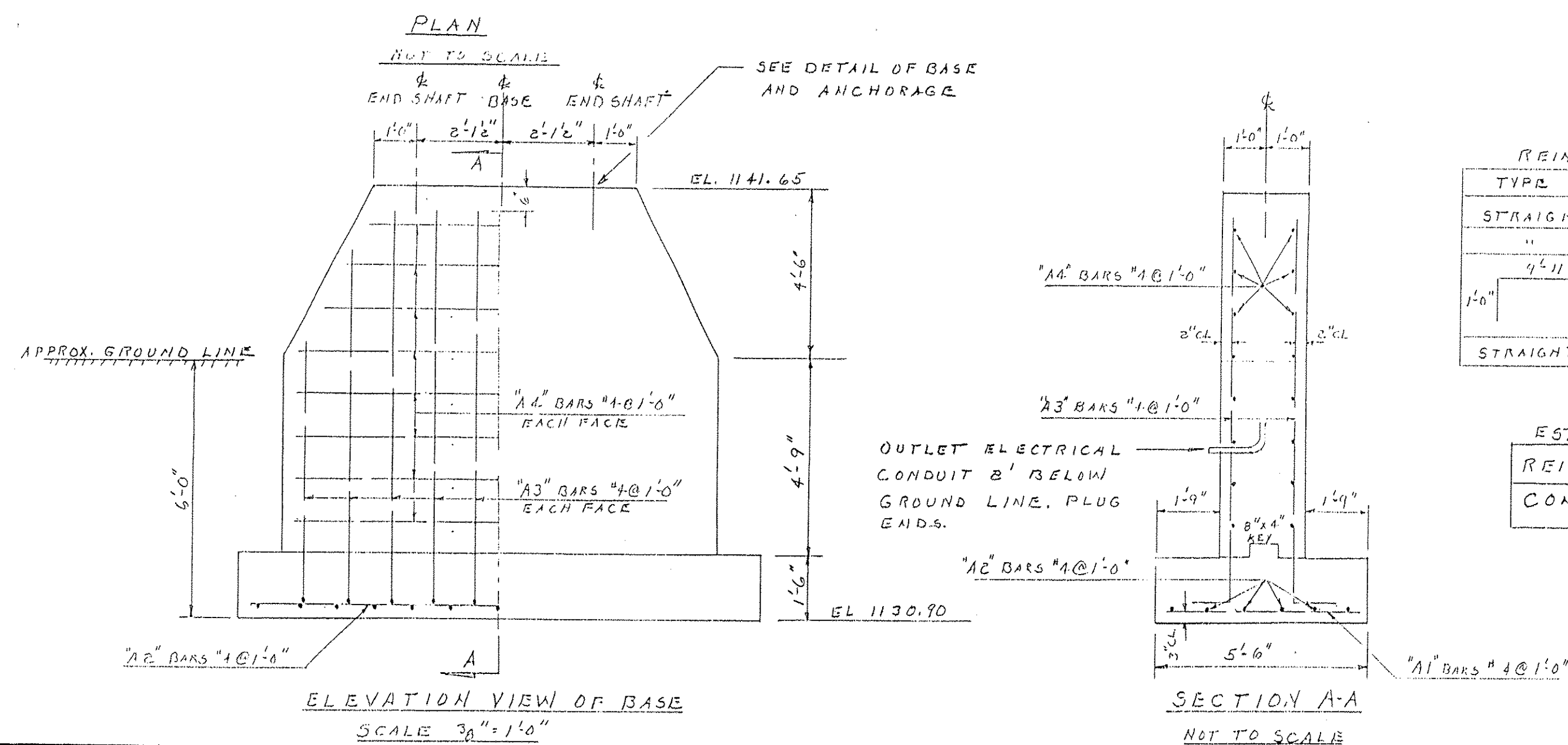
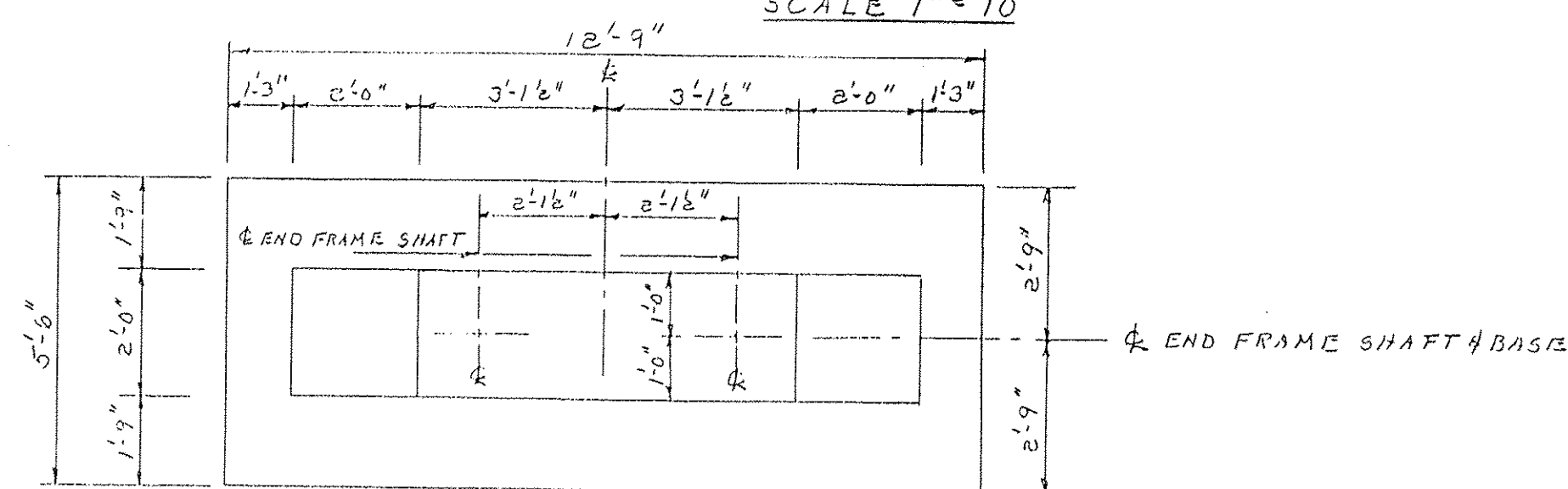
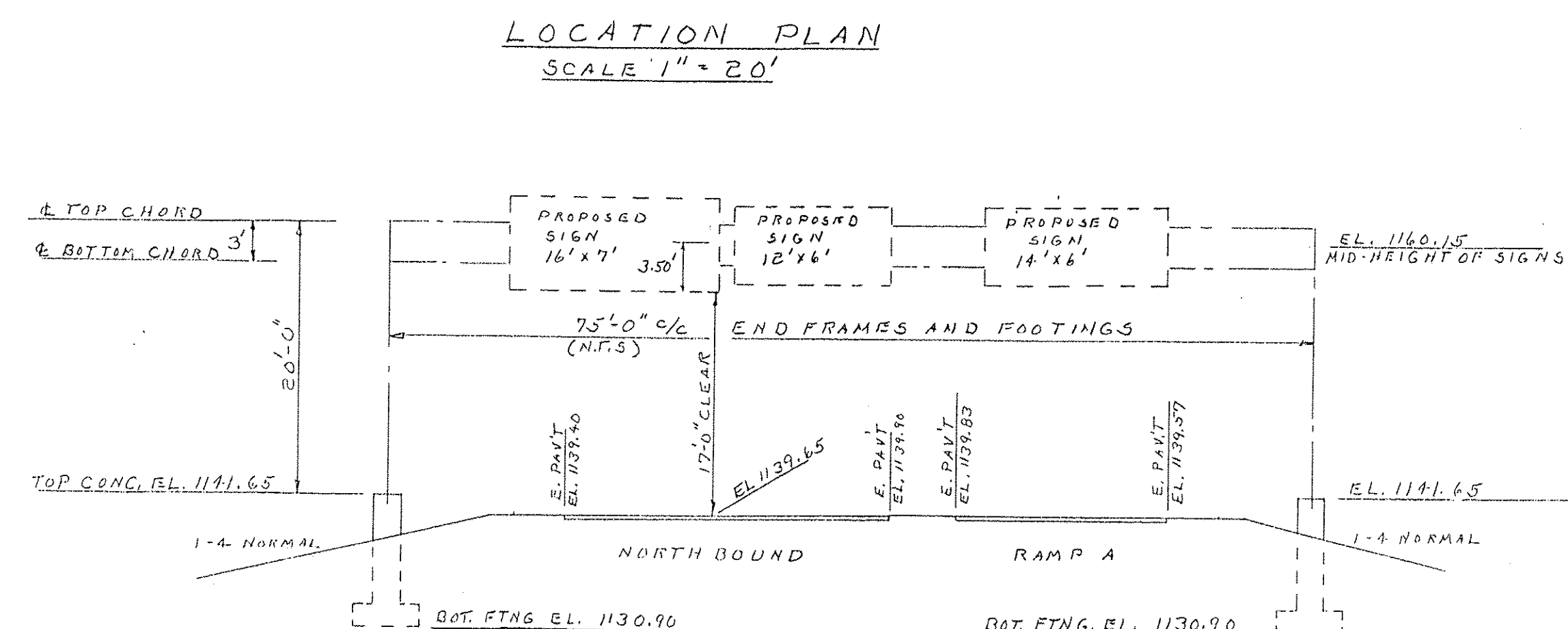
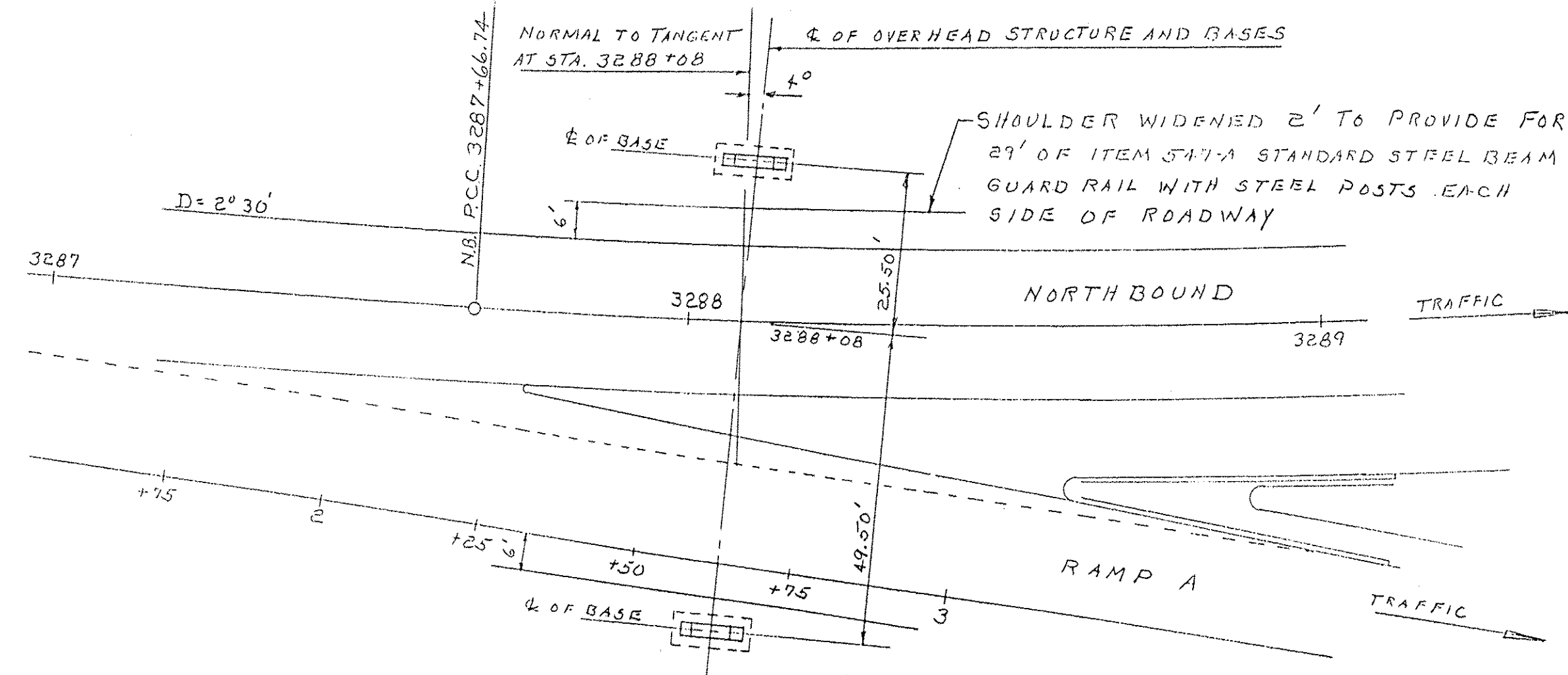
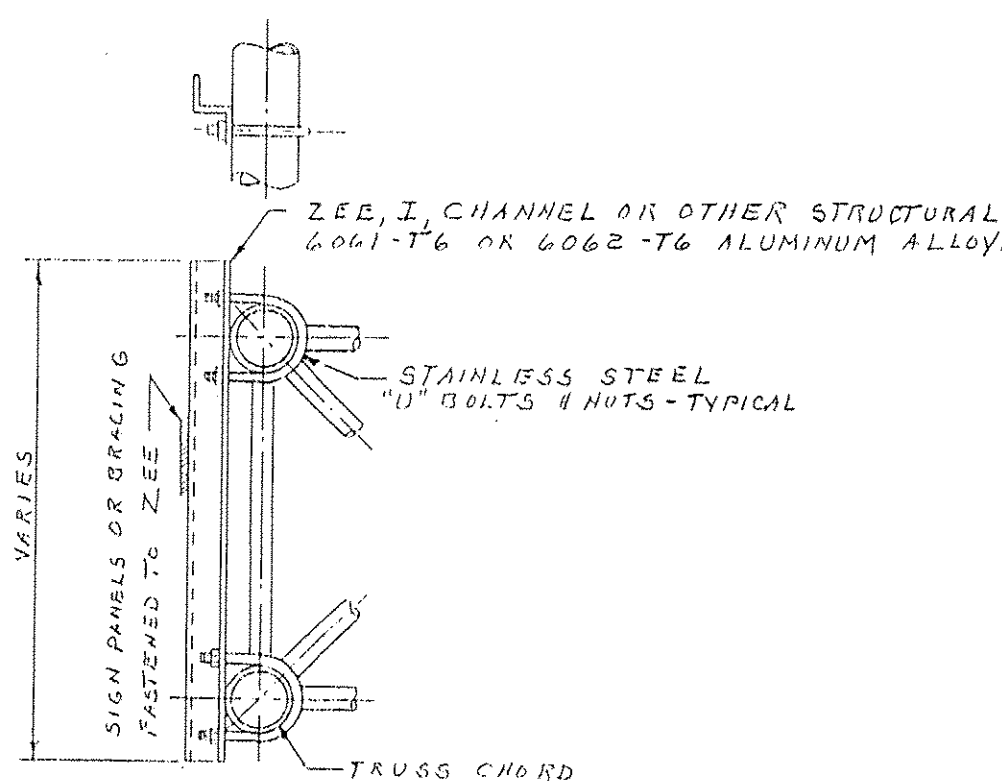




DATA FOR ABOVE ALUMINUM BOX TRUSS SIGN SPAN TO CARRY 300 SQUARE FEET OF SIGNS

A	B	C	D	E	F	SPAN SECTIONS REQ'D	CHORD SIZE	END FRAME SHAFT SIZE AND TAPER	VERTICAL DIAGONAL SIZE	HORIZONTAL DIAGONAL SIZE	INTERNAL DIAGONAL SIZE	END FRAME BRACE SIZE	CAMBER	BOLT CIRCLE DIA.	ANCHORAGE
75'-0"	3'-0"	26'-6"	4'-3"	3'-4"	5'-4"	3	4 1/2" O.D. .188 WALL	10" x 5" x .250 WALL	1.660" O.D. .140 WALL	1.900" O.D. .145 WALL	1.900" O.D. .145 WALL	2 1/2" O.D. .188 WALL	2 1/4"	16"	1 1/2" DIA. x 48" L.G.



NOTE CONTRACTOR TO SUBMIT DETAILED DRAWINGS OF SIGN HANGERS FOR APPROVAL OF THE ENGINEER.

REINFORCING STEEL SCHEDULE

TYPE	NO.	SIZE	BAR	TOT. LENGTH
STRAIGHT	26	#4	A1	5'-0"
"	12	#4	A2	12'-3"
STRAIGHT	40	#4	A3	10'-11"
STRAIGHT	32	#4	A4	9'-9"

ESTIMATED QUANTITIES TWO BASES
REINFORCING STEEL 685 LBS.
CONCRETE CLASS "B" 21 C.Y.

NOTES
ALL WORK AND MATERIALS TO CONFORM TO STATE OF VERMONT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 1956. DESIGN PROCEDURES, FABRICATION, AND CONSTRUCTION OF SIGN STRUCTURE SHALL BE IN ACCORDANCE WITH PAPER 970, OF THE A.S.C.E. JOURNAL OF THE STRUCTURAL DIVISION, MAY 1956. ALLOWABLE STRESSES IN ALUMINUM ALLOYS SHALL BE THE LATEST STRESSES APPROVED BY THE U.S. BUREAU OF PUBLIC ROADS. DESIGN DATA FROM THE FOLLOWING PAPERS IS ACCEPTABLE: PAPER 2528 "DESIGN OF WELDED ALUMINUM STRUCTURES," JUNE 1960; PAPER 2581 "STRENGTH OF WELDED ALUMINUM COLUMNS," AUGUST, 1960.
NO FIELD WELDING OF ALUMINUM SHALL BE PERMITTED.
STRUCTURE DESIGNED FOR WIND LOAD ON SIGNS OF 30 POUNDS PER SQUARE FOOT. FOUNDATION DESIGNED FOR ONE TON PER SQUARE FOOT.
THE ABOVE TYPICAL ALUMINUM BOX TRUSS SIGN SPAN IS DRAWN TO SHOW DETAILS DESIRED IN THE STRUCTURE. AN EQUIVALENT ALUMINUM TYPE STRUCTURE MAY BE SUBSTITUTED WITH SUBMITTAL OF DRAWINGS AND APPROVAL OF THE ENGINEER. END FRAME SHAFTS ARE TO BE TAPERED.
ALL MATERIAL IN BOX TRUSS TO BE 6061-T6 OR 6062-T6 ALUMINUM ALLOY UNLESS OTHERWISE SPECIFIED. END FRAME SHAFTS TO BE 6063-T6 ALUMINUM ALLOY. CONCRETE TO BE AS SPECIFIED UNDER ITEM 401-B CLASS B CONCRETE, MOD. REINFORCING STEEL TO BE AS SPECIFIED UNDER ITEM 402 REINFORCING STEEL. PROVISIONS FOR FUTURE LIGHTING OF SIGN TO BE INCORPORATED IN BASES AND SIGN STRUCTURE. CONDUIT TO BE INSTALLED IN EACH BASE TO PROVIDE ELECTRICAL CONNECTION FROM EITHER SIDE OF ROADWAY.

REFERENCE ONLY

ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
578	OVERHEAD TRAFFIC SIGN SUPPORT	L.S.	1	-	1	

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF DERBY

ROUTE NO. I 91 LOG STA. 3288+08

OVERHEAD TRAFFIC SIGN
SUPPORT AT STA. 3288+08

SCALE AS NOTED

SURVEYED BY DIELAND

DRAWN BY W.M.S. CHECKED BY J.J.C.

PROJECT NO. I 91-3(3)

SHEET 82 OF 244