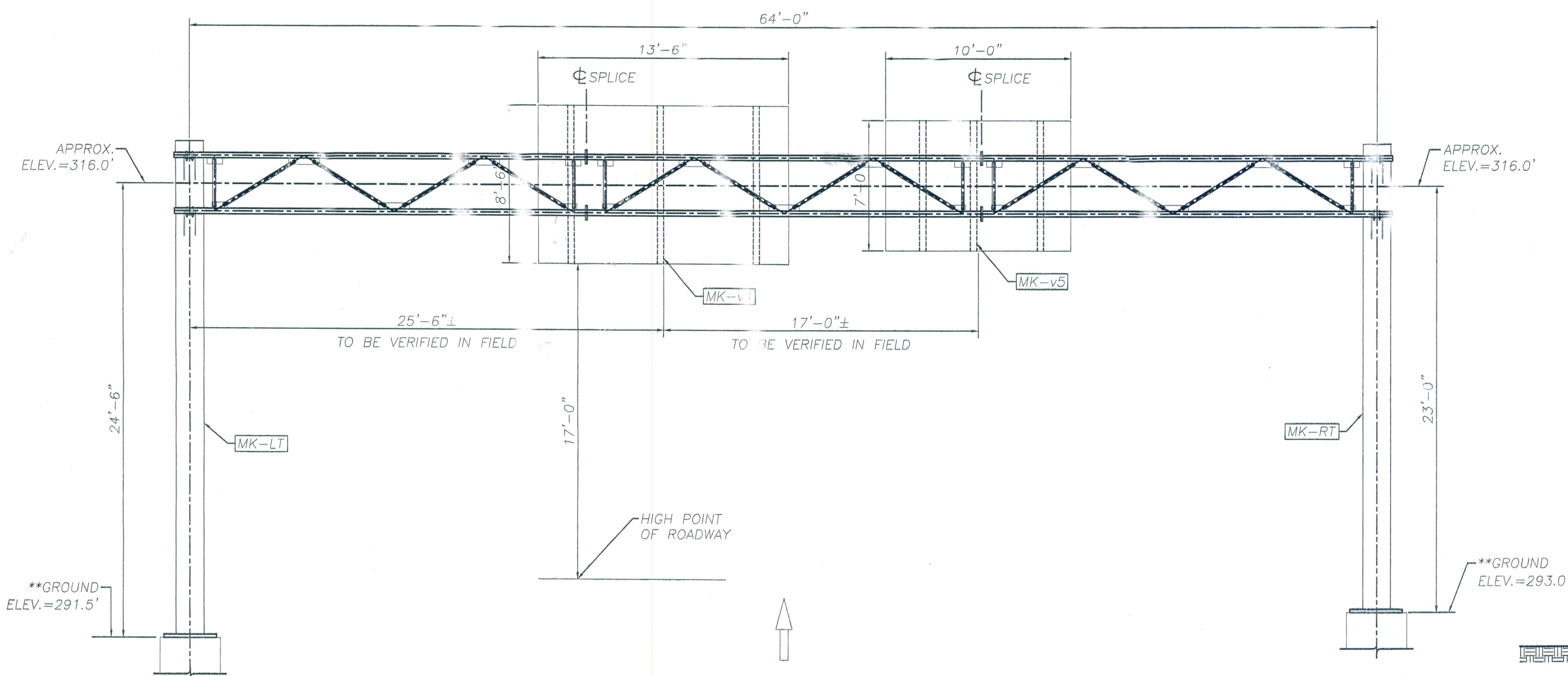
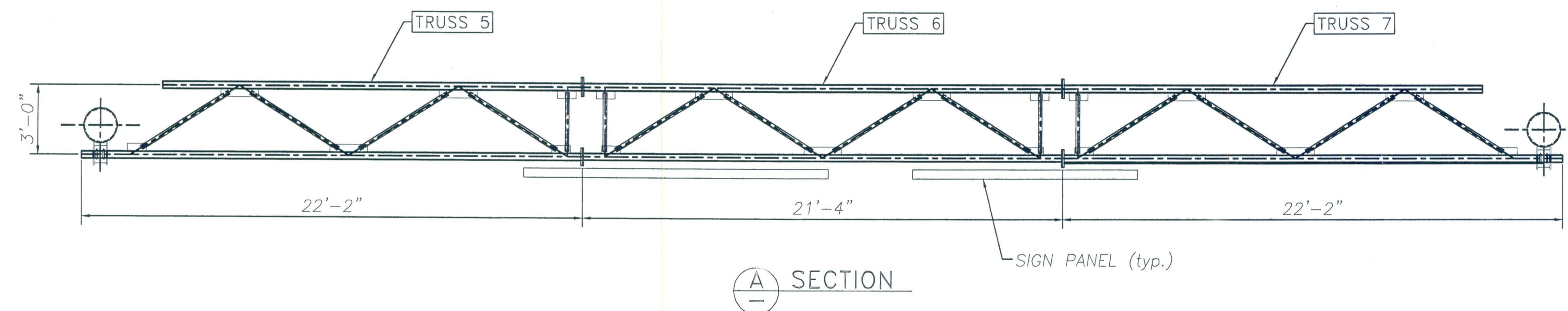
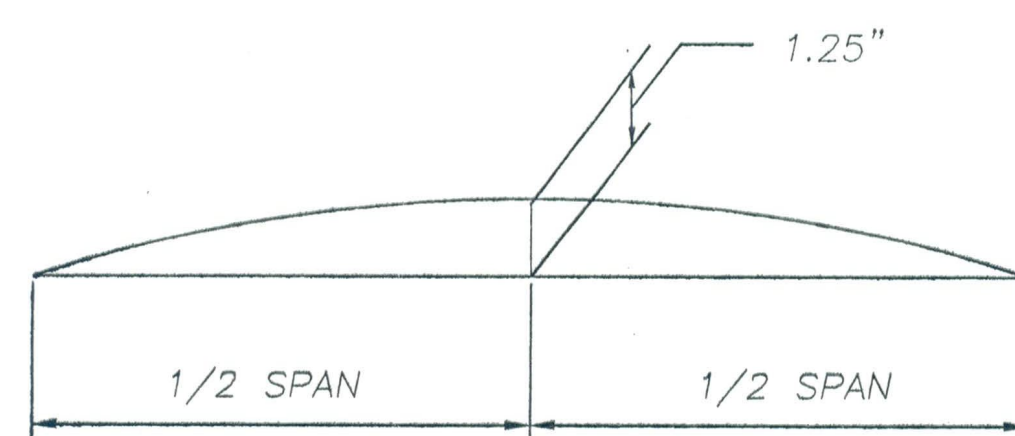




ELEVATION
OVERHEAD TRAFFIC SIGN SUPPORT STA. 52+00
LOOKING AT FACE OF SIGN
(OUT OF PLANE CHORDS NOT SHOWN FOR CLARITY)

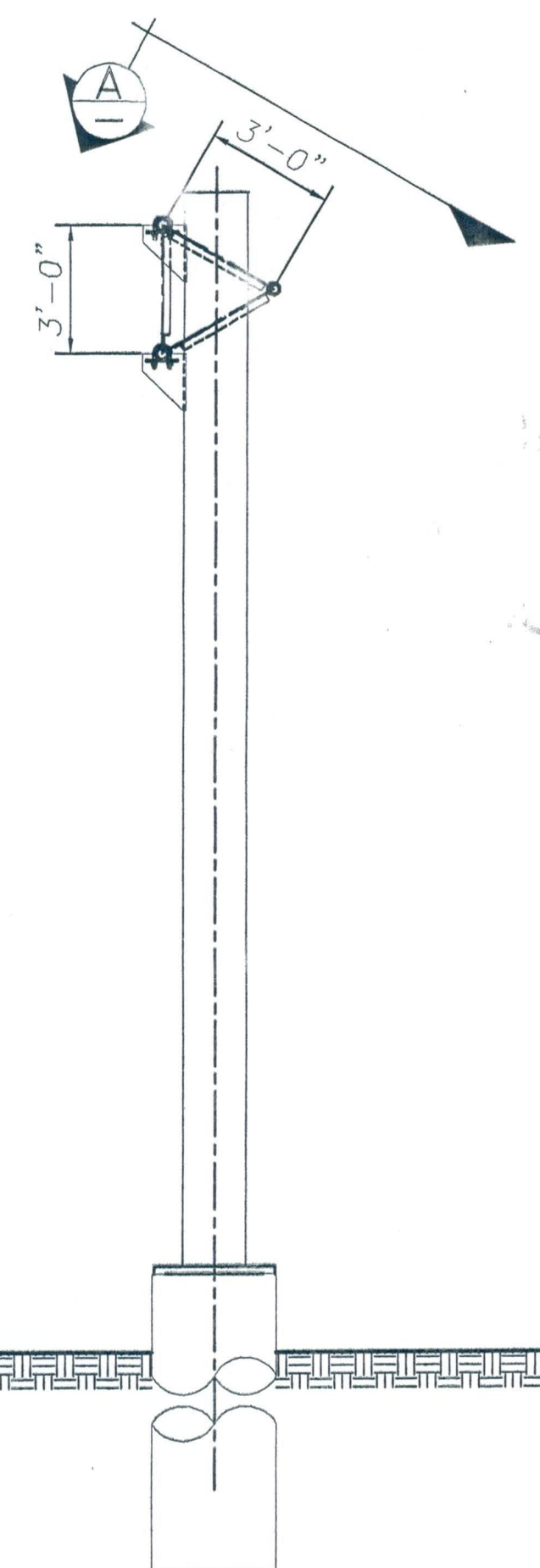


CAMBER DIAGRAM

NOTE:

CAMBER WILL BE ACHIEVED BY SHORTENING LOWER CHORD PIPES BY AN AMOUNT SUCH THAT POSITIVE UPWARD DEFLECTION IS PRODUCED WHEN TRUSSES ARE BROUGHT TOGETHER AT SPLICES.

(**) GROUND ELEVATION IS PROVIDED IN CONTRACT DRAWINGS, TOP OF CONCRETE ELEVATION TO BE VERIFIED AND ADJUST POST HEIGHTS AS NEEDED PRIOR TO FABRICATION TO MAINTAIN MINIMUM SIGN CLEARANCE.



SIDE VIEW

NOTE:

- STRUCTURE DESIGNED IN ACCORDANCE WITH LATEST EDITION AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS.
- ALL HOLES FOR HIGH STRENGTH FASTENERS SHALL BE DRILLED OR SUB-PUNCHED FULL SIZE. SLOTTED HOLES AND/OR VENT OR ACCESS HOLES MAY BE CUT WITH MECHANICALLY GUIDED PLASMA OR FLAME TORCH.
- GRIND SHARP CORNERS OF ALL PLATES TO A $\frac{1}{16}$ " MIN. RADIUS PRIOR TO GALVANIZING.
- ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS D1.1.
- ALL STEEL PLATES FOR STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 50.
- STEEL PLATES AND SHAPES FOR NON-STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 36.
- STEEL PIPES FOR STRUCTURAL MEMBERS SHALL HAVE MINIMUM YIELD OF 42 ksi AND SHALL CONFORM TO ONE OF THE FOLLOWING GRADES: ASTM A500 GR. B, OR API 5L/X.
- UNLESS OTHERWISE NOTED, ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE M164 TYPE 1 (A325).
- GALVANIZED U-BOLTS FOR CONNECTION OF SIGN HANGER BEAMS TO TRUSS SHALL BE ASTM F-1554 GR. 36.
- ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111 (ASTM A123).
- ALL HARDWARE, UNLESS OTHERWISE NOTED, SHALL BE HOT DIPPED GALVANIZED PER AASHTO M232 (ASTM A153).
- ANCHOR HARDWARE SHALL BE STAINLESS STEEL AND MEET REQUIREMENTS OF VAOT STANDARD SPECIFICATION 714.09.
- CONCRETE AND REBAR SHOWN IN FOOTING DESIGN TO BE FURNISHED BY OTHERS.
- FOUNDATION DESIGN BASED ON USE OF 3000 psi MINIMUM CONCRETE.
- SPACE BETWEEN THE TOP OF CONCRETE AND THE BOTTOM OF STEEL BASE PLATE SHALL BE FILLED WITH TYPE IV MORTAR AFTER LEVELING.
- BOLTS INSTALLED IN STRUCTURAL CONNECTIONS SHALL BE PROVIDED AND TIGHTENED PER APPLICABLE PROVISIONS OF VAOT STANDARD SPECIFICATION SECTION 506.

REVISIONS		
No.	Remarks	Date
0	Initial submittal	

RECEIVED
OK'D BY _____ OK'D BY _____
SEP 05 2006
RESUBMIT _____ APPROVED, A. N. K.
BY J. J. DATE 9/6/06

[Signature]

HIGHWAY SAFETY CORP.	
GLASTONBURY, CT	
TRI-CHORD SIGN STRUCTURE	
I-89 SB EXIT 14W RAMP "C"	
CHITTENDEN COUNTY, VERMONT	
CITY OF SOUTH BURLINGTON	
PROJECT No. ACIM 089-3(37)	
GENERAL CONTRACTOR	1558
SUB CONTRACTOR	1 of 8