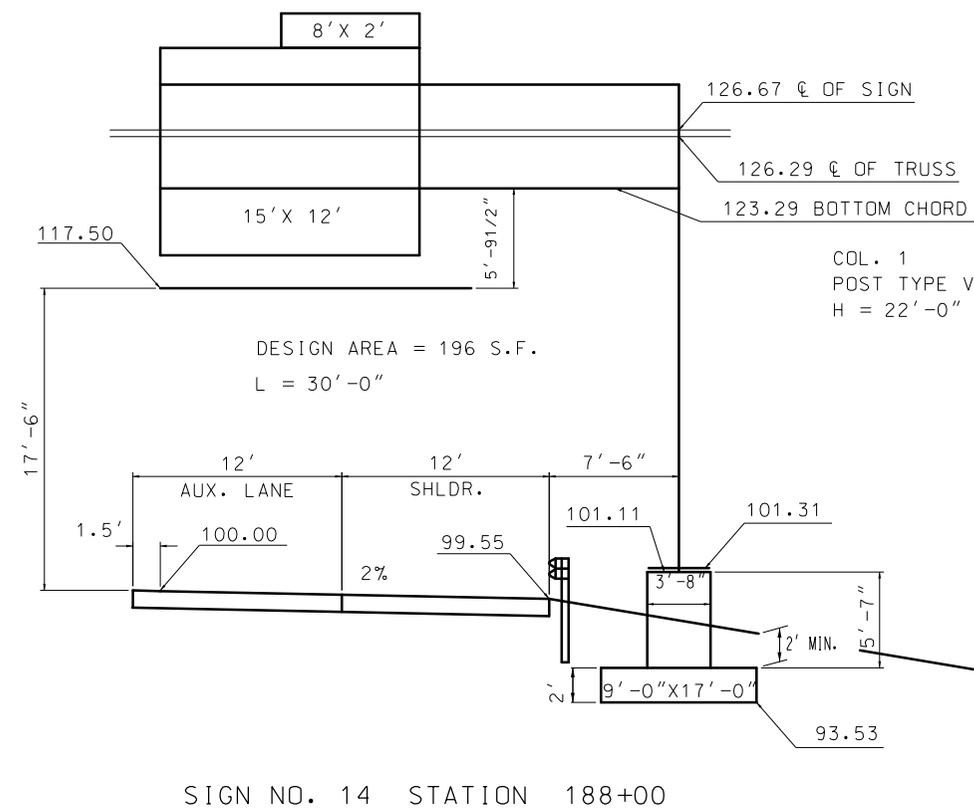
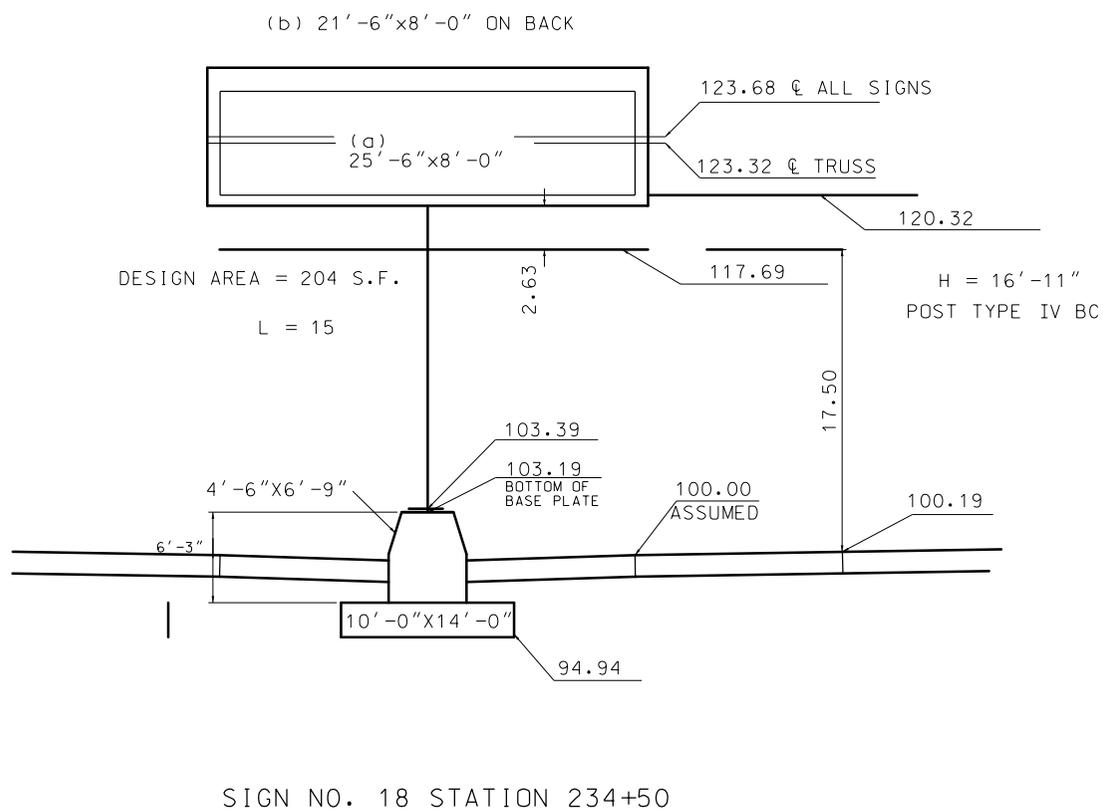
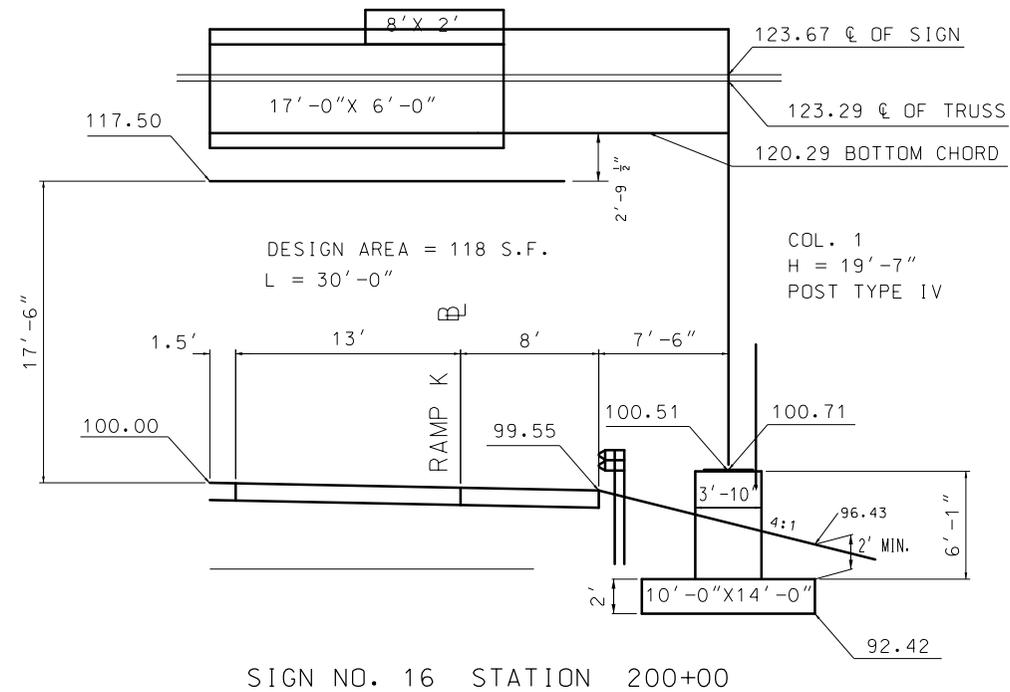
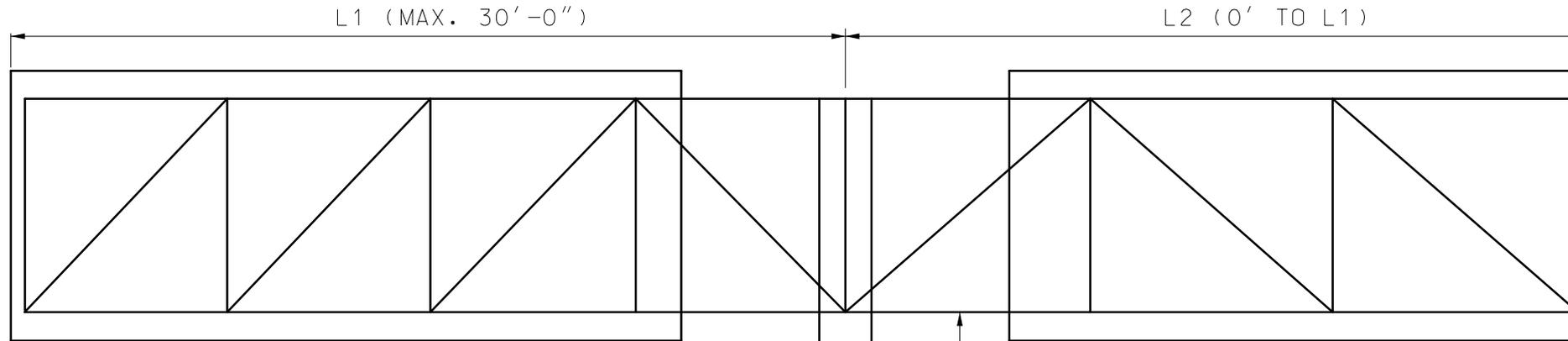




# Example Only - Cross Sections (Box Truss - Cantilever and Butterfly)



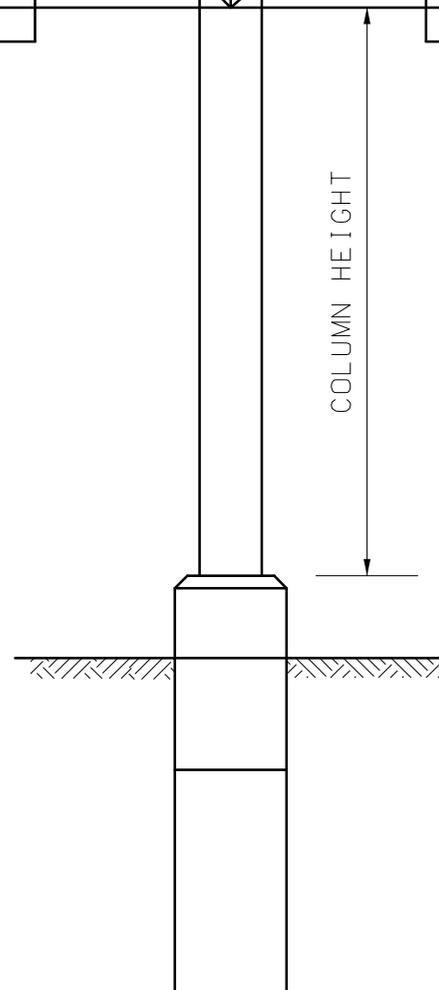
THIS SHEET PROVIDES THE INFORMATION NECESSARY TO COMPLETE THE DATA SHEET (D-32) AND SHALL NOT BE INCLUDED IN DESIGN PLANS.



REQUIRED COLUMN TYPE				
COLUMN HEIGHT (FT.)	L1 (FT.)			
	15	20	25	30
12	III	V	V	VI
14	III	V	V	VI
16	IV	V	VI	VI
18	V	V	VI	VII
20	V	V	VI	VII
22	V	VI	VII	VII
24	V	VI	VII	VIII
26	V	VI	VII	VIII

ARM LENGTH (FT.)	MAX. SIGN AREA* (FT <sup>2</sup> .)
15	200
20	265
25	330
30	400

\* SIGN AREAS SHOWN ARE PER FACE AND PER ARM. IF SIGNS ARE LOCATED ON BOTH FACES OF THE TRUSS TOTAL SIGN AREA PER ARM CAN BE DOUBLE THE VALUE SHOWN.



EXAMPLES FROM FIGURE 8-03.9

SIGN NO. 14, STATION 188+00:

L1 = 30'-0", L2 = 0' < L1, OK,  
 COLUMN HEIGHT = 22'-0",  
 REQUIRED COLUMN TYPE (FROM TABLE) = VII,  
 MAXIMUM SIGN AREA PER FACE (FROM TABLE) = 400 FT<sup>2</sup>,  
 SIGNS LOCATED ON ONE FACE, AREA = 118 FT<sup>2</sup> < 400, OK.

SIGN NO. 16, STATION 200+00:

L1 = 30'-0", L2 = 0' < L1, OK,  
 COLUMN HEIGHT = 19'-7",  
 REQUIRED COLUMN TYPE (FROM TABLE) = VII,  
 MAXIMUM SIGN AREA PER FACE (FROM TABLE) = 400 FT<sup>2</sup>,  
 SIGNS LOCATED ON ONE FACE, AREA = 118 FT<sup>2</sup> < 400, OK.

SIGN NO. 18, STATION 234+50:

L1 = 15'-0", L2 = 15'-0" < L1, OK,  
 COLUMN HEIGHT = 16'-11",  
 REQUIRED COLUMN TYPE (FROM TABLE) = V,  
 MAXIMUM SIGN AREA PER FACE (FROM TABLE) = 200 FT<sup>2</sup>,  
 SIGNS LOCATED ON BOTH FACES, BOTH ARMS:  
 -FRONT FACE AREA = 204 FT<sup>2</sup>, PER ARM = < 102 FT<sup>2</sup> < 200, OK.  
 -BACK FACE AREA = 172 FT<sup>2</sup>, PER ARM = 86 FT<sup>2</sup> < 200, OK.