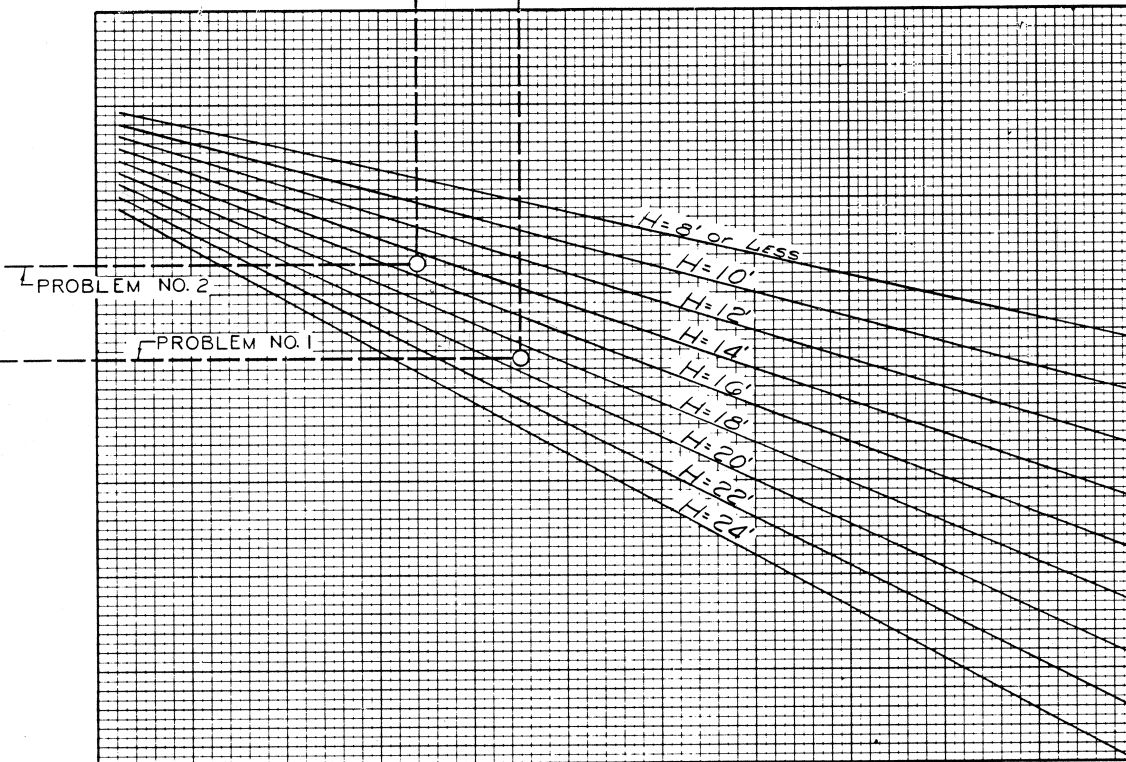
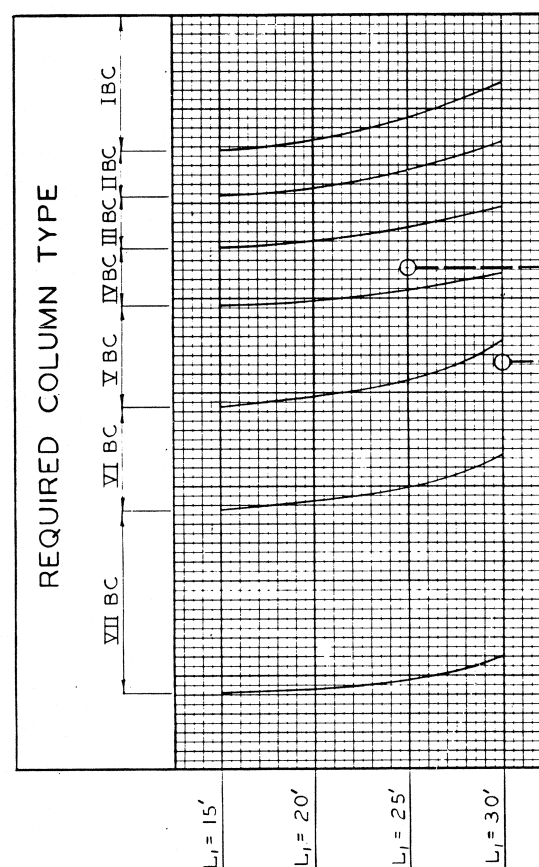


**TYPICAL BUTTERFLY PROBLEM NO. 1**  
 Given:  $L_1 = 30'$   $H = 19'$   
 Sign Area "A" = 200.0'  
 Sign Area "B" = 100  
 Total Sign Area = 300.0'  
**SOLUTION: USE COLUMN VI BC**

**TYPICAL CANTILEVER PROBLEM NO. 2**  
 Given:  $L_1 = 25'$   $H = 15'$   
 Sign Area "A" = 260.0'  
 Sign Area "B" = 000  
 Total Sign Area = 260.0'  
**SOLUTION: USE COLUMN IX BC**

**BUTTERFLY OR CANTILEVER SIGN TRUSSES**



CONVERSION FACTORS (SI) EQUIVALENTS			
1/8 In. ....	3.175 mm*	M.P.H. ....	1.609344 km/hr.*
1 In. ....	25.4 mm*	1 Cu. In. ....	16.387064 cm <sup>3</sup> *
1 Ft. ....	0.3048 m*	1 Cu. Ft. ....	28.316847 dm <sup>3</sup>
1 Yd. ....	0.9144 m*	1 Cu. Yd. ....	0.764555 m <sup>3</sup>
1 Sq. In. ....	6.4516 cm <sup>2</sup> *	Cu. Yd./Ft. ....	2.50838 m <sup>3</sup> /m
1 Sq. Ft. ....	0.09290304 m <sup>2</sup> *	1 Lb. (mass) ....	0.45359 kg
1 Sq. Yd. ....	0.836127 m <sup>2</sup>	Lb./Ft. (mass) ....	1.48816 kg/m
p.s.i. (force) ....	6.894757 kPa	Ton (mass) ....	0.907185 Mg
p.s.i. (mass) ....	703.0696 kg/m <sup>2</sup>		*Exact

**DESIGN DETAILS  
 BUTTERFLY & CANTILEVER OVERHEAD  
 SIGN TRUSSES  
 STRUCTURAL STEEL**

*Note: This sheet provides the information necessary to complete the data sheet and shall not be included in design plans. See Standard data sheet.*