

Esso Liverpool

1906 Camp

Shear aft

$$\frac{133.25}{6} = 22.208 \checkmark$$

ord	ft		
1	4.25	✓	4.25 ✓
2	2.67	✓	4 10.68 ✓
3	1.71	✓	2 3.42 ✓
4	1.04	✓	4 4.16 ✓
5	.56	✓	2 1.12 ✓
6	.25	✓	4 1.00 ✓
7	0	✓	1 0 ✓

$$\sqrt{24.63 \times \frac{22.208}{3}} = 18.23 \text{ ft}^2$$

$$\text{Mean end shear} = \frac{18.23 + 414.7}{555} = \frac{597.0}{555} \times 12 = \underline{12.84}'' \quad 12.91$$

Shear Fore

$$\frac{136.75}{6} = 22.79 \checkmark$$

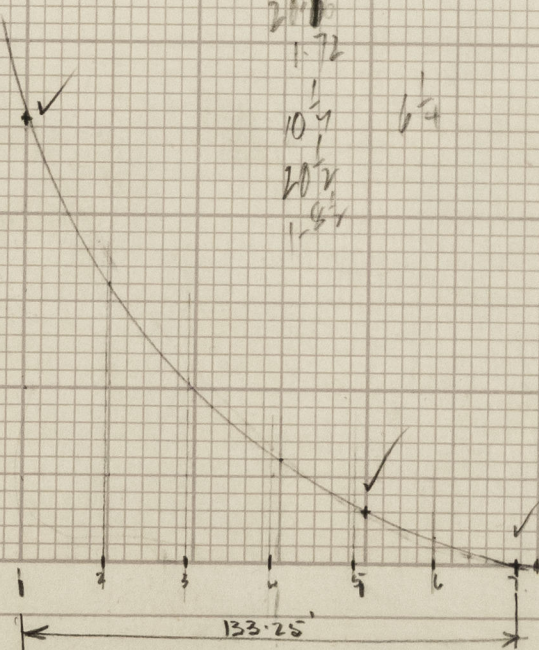
ord			
1	10.0	✓	1 10.0 ✓
2	5.79	✓	4 23.16
3	3.55	✓	2 7.10 ✓
4	2.25	✓	4 9.00
5	1.32	✓	2 2.64
6	.56	✓	4 2.24
7	0	✓	1 0 ✓

$$\sqrt{54.26 \times \frac{22.79}{3}} = 411.7$$

$$12.84 \times 3 = 38.52 \text{ mean end shear}$$

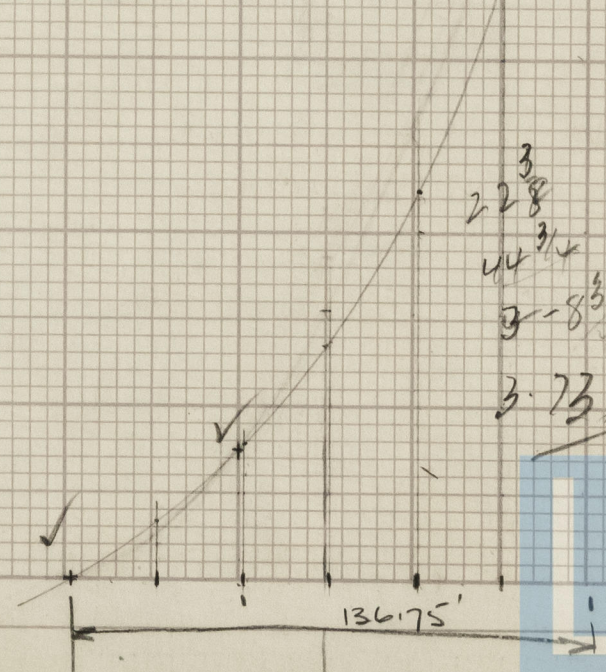
$$12.91 \times 3 = 38.73$$

$$12 \times 133.25 = 2.88$$



10.68  
23.16  
7.10  
9.00  
2.64  
2.24

$$12 \times 136.75 = 2.96$$



23.16  
7.10  
9.00  
2.64  
2.24