

		Inner Section	Outer Section
		Pine 6"	Pine 6"
Section Length	L'	144	144
Between Support	L	133	137.5
Stringer Height	H	5.5	5.5
Stringer Width	w	15	15
Load	lt'	400	400
No. of stringers		2	2
Moist. of boards	$(w/L)^2/12$	415538	415538
Moistat Max	Mmax	6650	6875
Max Shear	Q	200	200
Max Deflection	f	0.17628	0.19186
Mod of Elasticity	E	1700000	1700000
Specific Gravity		0.45768	0.45768
Density (lb/ft ³)	S	0.06653	0.06653
Wt. per stringer		19.6246	19.6246
Wt. per section less splice		33.2693	33.2693
Wt. per section w/ splice		47.4504	47.4504
Wt per section w/dck boards		80.547	80.547
Total deflection		0.1907	0.2083
Deck boards		Cedar	Cedar
Width	w	5.5	5.5
Thickness	t	0.875	0.875
Length	L	24	24
Between Support		21	21
Moist. of boards	$(w/L)^2/12$	0.30705	0.30705
Moistat Max	Mmax	350	350
Max Shear	Q	100	100
Max Deflection	$(w/L)^2/EI/384$	0.01745	0.01745
Mod of Elasticity	E	3000000	3000000
Specific Gravity		0.34461	0.34461
Density (lb/ft ³)	S	0.01846	0.01846
Wt. per board		1.43897	1.43897
No. boards		23	23
Total deck bd wt		33.0964	33.0964
Cost of stringer ea		9.43	9.43
Cost of deck board ea		1.39687	1.39687
Cost per section less dk brds		118.98	118.98
Cost of deck boards		145.32	145.32
Cost per section w/dk brds		164.30	164.30
Board to secure to bulkhead		11.58	11.58
Deck covers		16.71	16.71
Miscellaneous hardware		15.00	15.00
Total cost per deck		178.20	178.20
Total Cost		156.33	