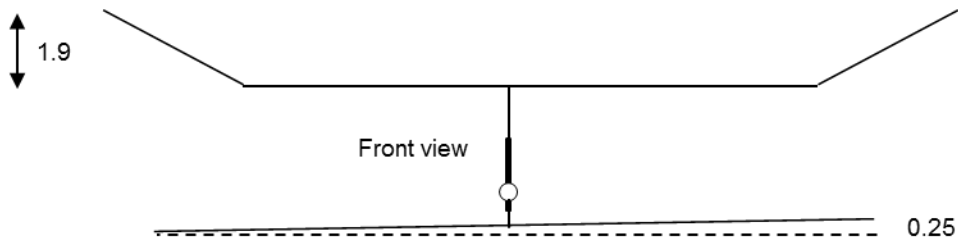


Motor Stick	.365
Tail boom + fin	.200
Wing	.355
Stab	.140
Prop	.287
Spacers + ballast	.063
Total	1.410g



F1D 4+
 by Yuan Kang Lee
 Cat 2 National Record 25:11
 4/21/2019 Kent, OH USA
 Tan II 5/99 .0338 g/in (1.33 g/m)

F1D 4+ component	Yuan Kang Lee description	lb/ft3	mg
Wing			355
spars (2)	.040 x .063 (2x .003 boron)	5.3	104
tips (2)	.032 x .051 -> .032 x .040	4.7	56
middle ribs (2)	.032 x .050 C	4.2	33
comp ribs (2)	.032 x .055 C	4.2	33
tubes (2)	.064 ID polyimide thin wall		5
covering	OS Film		
Motor Stick			365
blank	.015 .240 id	4.0	133
bracing post	.060 x .060 -> .040 x .040 (basswood)		25
wing posts (2)	.064 round (4 x .003 boron)	8.0	60
bracing line	Kevlar thread, 6 lb tested		10
bearing	Harlan		25
tail hook	.013 music wire		15
front web	.025 x .75 C	5.0	7
rear web	.025 x .60 C	5.0	6
extension	.012 (2 x .003 boron)	4.0	30
Stab			140
spars	.024 x .041 (2 x .003 boron)	4.9	48
ribs (3)	.024 x .040	4.8	19
Tail boom			185
blank	0.010 (2 x .003 boron)	4.5	130
stab posts (2)	.023 x .050	6.1	4
Rudder			15
outline	.025 x .025		
Prop			287
outline	18.5 D (formed on Treger pitch block)	5.0	20
boron	.024 x .024 (double first 2 bays)		20
ribs (5)	2 x .003 boron (4 x first 2 bays)		20
spars	.024 x .024 (3 x .003 boron 1st rib)	5.0	10
covering	.070 x .070 -> .060 x .060 (4 x .003 boron)	5.8	20
covering	OS Film		
Rubber	5/99 .0338 g/in (1.33 g/m)		

