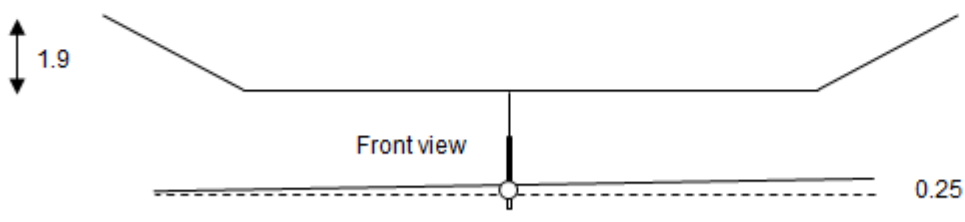


Motor Stick	.365
Tail boom + fin	.190
Wing	.355
Stab	.130
Prop	.285
Ballast	.040
Spacers	.045
<b>Total</b>	<b>1.410 g</b>



F1D 3+ "Sweet Luke"  
 by Yuan Kang Lee  
 Cat 3 AMA Record 26:25  
 West Baden Hotel, IN USA  
 Mar-26-2017

Yuan Kang Lee		F1D 3+ "Sweet Luke"	lb/ft3	mg
<b>Wing</b>				<b>355</b>
spars (2)	.040 x .052 (2x .003 boron)		4.0	70
tips (2)	.039 x .043		4.0	57
middle ribs (2)	.032 x .050 C		4.5	24
comp ribs (2)	.032 x .055 C + .032 x .025		4.5	41
tubes (2)	.064 ID polyimide thin wall			5
covering	OS Film			
<b>Motor Stick</b>				<b>365</b>
blank	.015 C (2 x .003 boron, 4 and 8 o'clock) .240 id		4.0	132
bracing post	.060 x .060 -> .040 x .040 (basswood)			25
wing posts (2)	.058 x .045 (4 x .003 boron)		6.0	20
bracing line	Kevlar thread, 6 lb tested			10
2 <sup>nd</sup> line	Spiderwire, 6 lb tested, ¼ strand			2
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	.010 (3 x .003 boron)		4.0	47
<b>Stab</b>				<b>130</b>
spars	.024 x .041 (2 x .003 boron)		4.9	48
ribs (3)	.024 x .040 C		4.8	19
<b>Tail boom</b>				<b>170</b>
Blank	.010 C (2 x .003 boron)		4.8	132
stab posts (2)	.023 x .050		6.1	4
<b>Rudder</b>				<b>20</b>
outline and rib	.025 x .030		5.0	14
covering	OS Film			
<b>Prop</b>		18.5 D (formed on Treger pitch block)		<b>285</b>
outline	.024 x .024 (double first 2 bays)		5.0	20
boron	2 x .003 boron (4 x first 2 bays)			20
ribs (5)	.024 x .024 (3 x .003 boron 1st rib)		5.0	10
spar	.070 x .070 -> .060 x .060 (4 x .003 boron)		5.8	20
VP	Treger (low 25, high 40)			95

