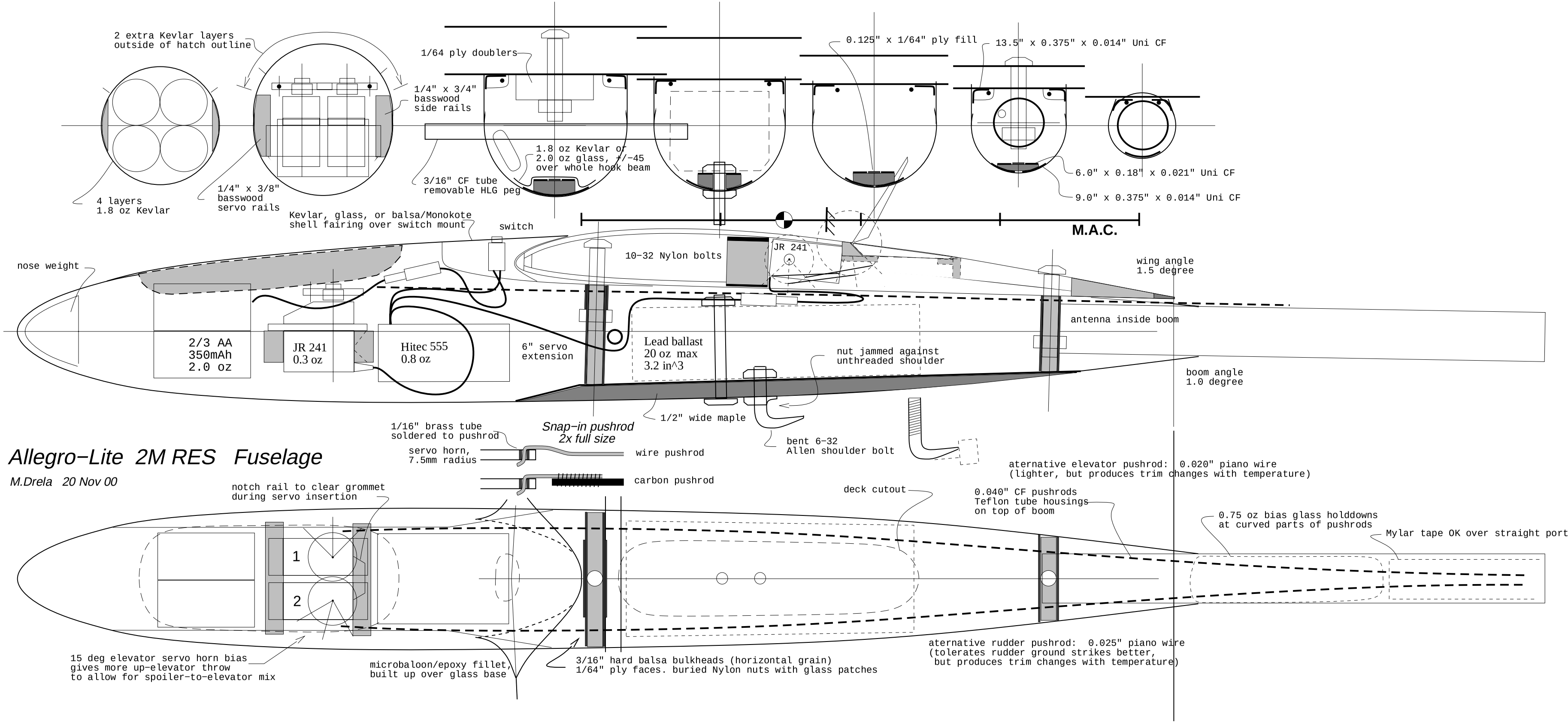
2 extra Kevlar layers
outside of hatch outline
1/64 ply doublers
1/4" x 3/4"
basswood
side rails
0.125" x 1/64" ply fill
13.5" x 0.375" x 0.014" Uni CF
1.8 oz Kevlar or
2.0 oz glass, +/-45
over whole hook beam
3/16" CF tube
removable HLG peg
6.0" x 0.18" x 0.021" Uni CF
9.0" x 0.375" x 0.014" Uni CF
4 layers
1.8 oz Kevlar
1/4" x 3/8"
basswood
servo rails
Kevlar, glass, or balsa/Monokote
shell fairing over switch mount
switch
M.A.C.
10-32 Nylon bolts
JR 241
nose weight
wing angle
1.5 degree
antenna inside boom
2/3 AA
350mAh
2.0 oz
JR 241
0.3 oz
Hitec 555
0.8 oz
6" servo
extension
Lead ballast
20 oz max
3.2 in^3
nut jammed against
unthreaded shoulder
boom angle
1.0 degree
1/2" wide maple
1/16" brass tube
soldered to pushrod
Snap-in pushrod
2x full size
servo horn,
7.5mm radius
wire pushrod
carbon pushrod
bent 6-32
Allen shoulder bolt
Allegro-Lite 2M RES Fuselage
M.Drela 20 Nov 00
aternative elevator pushrod: 0.020" piano wire
(lighter, but produces trim changes with temperature)
notch rail to clear grommet
during servo insertion
deck cutout
0.040" CF pushrods
Teflon tube housings
on top of boom
0.75 oz bias glass holddowns
at curved parts of pushrods
Mylar tape OK over straight port
1
2
15 deg elevator servo horn bias
gives more up-elevator throw
to allow for spoiler-to-elevator mix
microbaloon/epoxy fillet,
built up over glass base
3/16" hard balsa bulkheads (horizontal grain)
1/64" ply faces. buried Nylon nuts with glass patches
aternative rudder pushrod: 0.025" piano wire
(tolerates rudder ground strikes better,
but produces trim changes with temperature)