Aft strake
(make 2)

Motor mount stick
(Make 1 from 3/8" sq hardwood)
Rudder control horn
(make 1 from 1/32" ply)

Glue one doubler to control horn as shown

Canard control horn
(Make 1 from 1/16" ply)

Canard control horn doubler and end stops
(Make 3 from 1/16" ply)

Wing outboard spar brace
(on bottom only)
Wing spar brace

Wing outboard spar brace (on bottom only)
Aft Fuselage Bottom
(make 1)

Aft Fuselage Top
(make 1)
Aft strake joiner
(Make 1 from 1/16" music wire)
Canard servo tray
(make 2 and laminate)

Wing outboard spar brace
(make 2 from 1/32" ply)

Wing center spar brace
(make 1 from 1/32" ply)
doublers on inboard side
(drill 3/16" hole for pivot
W
ing center spar brace
(on bottom only)
3/8" wide foam strip (2 layers)

3/4" and 1/2" wide foam strips (2 layers)

3/4" sq. 1/32" ply doublers on inboard side

Drill 3/16" hole for pivot bearing tubes

Vertical Tail Base (make 2)

Cut pocket on one piece on one side to clear rudder servo
Fiberglass strips top and bottom for strength

1/2" wide foam strips (2 layers)

Aft Fuselage Sides (make 2)

Fwd Fuselage Bottom (make 1)
1/2" sq. 1/32" ply
double on inboard side
(drill 1/16" hole for
strake joiner wire)
Nosecone top view template
(trace outline on top of nosecone to assist in carving it to shape)

Dashed green lines indicate where to attach foam strips

F-1
3/8" wide foam strip (2 layers)

F-2

F-3

Nosecone (make 11)

Fwd fuselage top
(make 1)

3/8" wide foam strip (2 layers)
Canopy
(make 14)

F-4

Fwd Fuselage Sides
(make 2)

Drill 1/4" clearance hole for canard pivot

1/2" wide foam strip
3/4" wide foam strip

Inlet diverter
(make 2 from 3 mm Depron or 1/8" balsa)

Attach inlet diverter here

Inlet fence
(make 2 from 3 mm Depron or 1/8" balsa)
Vertical Tail (make 1)

Motor mount (make 2 and laminate together)

Slot for 3/8" sq. hardwood motor mount
Grumman X-29 Park
Designed by Steve Shumate
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All parts made from 6 mm Depron or BlueCore foam unless otherwise specified
Bulkhead F-5
(make 1)
Turtleneck Top
(make 1)