

Objectives:

Discuss Systems Design
Inquire on the cockpit
Discuss dwgs for plane

Drawings for plane

Andy called the company: Berchwood ^{craft}
only have hand drawings, Action is to measure plane

Cockpit

Today 12/12/2011 the plane will be received

General Design Ideas

- Epoxy
- Adaptor plate
- Block
- Frame
- Mold

Material Options

- Steel
- Stainless Steel
- Aluminum 6061
- Fiberglass epoxy
- Metal to Metal Epoxy

Analysis

Stress: ANSYS → use for frame is the easiest

Fatigue

Moment of Inertia → solidworks

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DATE

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12/12/2011

PROPRIETARY INFORMATION

Goals for Design Review

Have 3 ideas to present to MDOG

Unknowns: the weight of the cockpit
the dimensions of the cockpit
the mounting pts

Objective: Minimize wt
for Platform

★ Deliverables for Thursday

Team Members: personally go see the
cockpit; generate ideas

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